Backup APIs

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Backup [velero.io/v1]

描述

Backup is a Velero resource that represents the capture of Kubernetes cluster state at a point in time (API objects and associated volume state).

类型

`object`

规格

属性	类型	描述
`apiVersion`	`string`	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources ↗
`kind`	`string`	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info:

属性	类型	描述
		https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds ↗
`metadata`	`ObjectMeta`	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
`spec`	`object`	BackupSpec defines the specification for a Velero backup.
`status`	`object`	BackupStatus captures the current status of a Velero backup.

.spec

描述

BackupSpec defines the specification for a Velero backup.

类型

`object`

属性	类型	描述
`csiSnapshotTimeout`	`string`	CSISnapshotTimeout specifies the time used to wait for CSI VolumeSnapshot status turns to ReadyToUse during creation, before returning error as timeout. The default value is 10 minute

属性	类型	描述
`datamover`	`string`	DataMover specifies the data mover to be used by the backup. If DataMover is "" or "velero", the built-in data mover will be used.
`defaultVolumesToFsBackup`	`boolean`	DefaultVolumesToFsBackup specifies whether pod volume file system backup should be used for all volumes by default.
`defaultVolumesToRestic`	`boolean`	DefaultVolumesToRestic specifies whether restic should be used to take a backup of all pod volumes by default. Deprecated: this field is no longer used and will be removed entirely in future. Use DefaultVolumesToFsBackup instead.
`excludedClusterScopedResources`	`array`	ExcludedClusterScopedResources is a slice of cluster-scoped resource type names to exclude from the backup. If set to "*", all cluster-scoped resource types are excluded. The default value is empty.
`excludedNamespaceScopedResources`	`array`	ExcludedNamespaceScopedResources is a slice of namespace-scoped resource type names to exclude from

属性	类型	描述
		the backup. If set to "*", all namespace-scoped resource types are excluded. The default value is empty.
`excludedNamespaces`	`array`	ExcludedNamespaces contains a list of namespaces that are not included in the backup.
`excludedResources`	`array`	ExcludedResources is a slice of resource names that are not included in the backup.
`hooks`	`object`	Hooks represent custom behaviors that should be executed at different phases of the backup.
`includeClusterResources`	`boolean`	IncludeClusterResources specifies whether cluster-scoped resources should be included for consideration in the backup.

属性	类型	描述
`includedClusterScopedResources`	`array`	IncludedClusterScopedResources is a slice of cluster-scoped resource type names to include in the backup. If set t "*", all cluster-scoped resource types are included. The default value is empty, which means only related cluster-scoped resources are included.
`includedNamespaceScopedResources`	`array`	IncludedNamespaceScopedResources is a slice of namespace-scoped resource type names to include in the backup. The default value is "*".
`includedNamespaces`	`array`	IncludedNamespaces is a slice of namespace names to include objects from. If empty, all namespaces are included.
`includedResources`	`array`	IncludedResources is a slice of resource names to include in the backup. If empty, all resources are included.
`itemOperationTimeout`	`string`	ItemOperationTimeout specifies the time used to wait for asynchronous BackupItemAction operations The default value is 4 hour.

属性	类型	描述
`labelSelector`	`object`	LabelSelector is a metav1.LabelSelector to filter with when adding individual objects to the backup. If empty or nil, all objects are included. Optional.
`metadata`	`ObjectMeta`	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
`orLabelSelectors`	`array`	OrLabelSelectors is list of metav1.LabelSelector to filter with when adding individual objects to the backup. If multiple provided they will be joined by the OR operator. LabelSelector as well as OrLabelSelectors cannot co-exist in backup request, only one of them can be used.
`orderedResources`	`object`	OrderedResources specifies the backup order of resources of specific Kind. The map key is the resource name and value is a list of object names separated by commas. Each resource name has format "namespace/objectname". For cluster resources, simply use "objectname".

属性	类型	描述
`resourcePolicy`	`object`	ResourcePolicy specifies the referenced resource policies that backup should follow
`snapshotMoveData`	`boolean`	SnapshotMoveData specifies whether snapshot data should be moved
`snapshotVolumes`	`boolean`	SnapshotVolumes specifies whether to take snapshots of any PV's referenced in the set of objects included in the Backup.
`storageLocation`	`string`	StorageLocation is a string containing the name of a BackupStorageLocation where the backup should be stored.
`ttl`	`string`	TTL is a time.Duration-parseable string describing how long the Backup should be retained for.
`uploaderConfig`	`object`	UploaderConfig specifies the configuration for the uploader.
`volumeSnapshotLocations`	`array`	VolumeSnapshotLocations is a list containing names of

属性	类型	描述
		VolumeSnapshotLocations associated with this backup.

.spec.excludedClusterScopedResources

描述

ExcludedClusterScopedResources is a slice of cluster-scoped resource type names to exclude from the backup. If set to "*", all cluster-scoped resource types are excluded. The default value is empty.

类型

`array`

.spec.excludedClusterScopedResources[]

类型

`string`

.spec.excludedNamespaceScopedResources

描述

ExcludedNamespaceScopedResources is a slice of namespace-scoped resource type names to exclude from the backup. If set to "*", all namespace-scoped resource types are excluded. The default value is empty.

类型

`array`

.spec.excludedNamespaceScopedResources[]

类型

`string`

.spec.excludedNamespaces

描述

ExcludedNamespaces contains a list of namespaces that are not included in the backup.

类型

`array`

.spec.excludedNamespaces[]

类型

`string`

.spec.excludedResources

描述

ExcludedResources is a slice of resource names that are not included in the backup.

类型

`array`

.spec.excludedResources[]

类型

`string`

.spec.hooks

描述

Hooks represent custom behaviors that should be executed at different phases of the backup.

类型

`object`

属性	类型	描述
`resources`	`array`	Resources are hooks that should be executed when backing up individual instances of a resource.

.spec.hooks.resources

描述

Resources are hooks that should be executed when backing up individual instances of a resource.

类型

`array`

.spec.hooks.resources[]

描述

BackupResourceHookSpec defines one or more BackupResourceHooks that should be executed based on the rules defined for namespaces, resources, and label selector.

类型

`object`

必填

`name`

属性	类型	描述
`excludedNamespaces`	`array`	ExcludedNamespaces specifies the namespaces to which this hook spec does not apply.

属性	类型	描述
`excludedResources`	`array`	ExcludedResources specifies the resources to which this hook spec does not apply.
`includedNamespaces`	`array`	IncludedNamespaces specifies the namespaces to which this hook spec applies. If empty, it applies to all namespaces.
`includedResources`	`array`	IncludedResources specifies the resources to which this hook spec applies. If empty, it applies to all resources.
`labelSelector`	`object`	LabelSelector, if specified, filters the resources to which this hook spec applies.
`name`	`string`	Name is the name of this hook.
`post`	`array`	PostHooks is a list of BackupResourceHooks to execute after storing the item in the backup. These are executed after all "additional items" from item actions are processed.
`pre`	`array`	PreHooks is a list of BackupResourceHooks to execute prior to storing the item in the backup. These are executed before any "additional items" from item actions are processed.

.spec.hooks.resources[].excludedNamespaces

描述

ExcludedNamespaces specifies the namespaces to which this hook spec does not apply.

类型

`array`

.spec.hooks.resources[].excludedNamespaces[]

类型

`string`

.spec.hooks.resources[].excludedResources

描述

ExcludedResources specifies the resources to which this hook spec does not apply.

类型

`array`

.spec.hooks.resources[].excludedResources[]

类型

`string`

.spec.hooks.resources[].includedNamespaces

描述

IncludedNamespaces specifies the namespaces to which this hook spec applies. If empty, it applies to all namespaces.

类型

`array`

.spec.hooks.resources[].includedNamespaces[]

类型

`string`

.spec.hooks.resources[].includedResources

描述

IncludedResources specifies the resources to which this hook spec applies. If empty, it applies to all resources.

类型

`array`

.spec.hooks.resources[].includedResources[]

类型

`string`

.spec.hooks.resources[].labelSelector

描述

LabelSelector, if specified, filters the resources to which this hook spec applies.

类型

`object`

属性	类型	描述
`matchExpressions`	`array`	matchExpressions is a list of label selector requirements. The requirements are ANDed.

属性	类型	描述
`matchLabels`	`object`	matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

.spec.hooks.resources[].labelSelector.matchExpressions

描述

matchExpressions is a list of label selector requirements. The requirements are ANDed.

类型

`array`

.spec.hooks.resources[].labelSelector.matchExpressions[]

描述

A label selector requirement is a selector that contains values, a key, and an operator that relates the key and values.

类型

`object`

必填

`key` `operator`

属性	类型	描述
`key`	`string`	key is the label key that the selector applies to.

属性	类型	描述
`operator`	`string`	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.
`values`	`array`	values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

.spec.hooks.resources[].labelSelector.matchExpressions[].values

描述

values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

类型

`array`

.spec.hooks.resources[].labelSelector.matchExpressions[].values[]

类型

`string`

.spec.hooks.resources[].labelSelector.matchLabels

描述

matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

类型

`object`

.spec.hooks.resources[].post

描述

PostHooks is a list of BackupResourceHooks to execute after storing the item in the backup. These are executed after all "additional items" from item actions are processed.

类型

`array`

.spec.hooks.resources[].post[]

描述

BackupResourceHook defines a hook for a resource.

类型

`object`

必填

`exec`

属性	类型	描述
`exec`	`object`	Exec defines an exec hook.

.spec.hooks.resources[].post[].exec

描述

Exec defines an exec hook.

类型

`object`

必填

`command`

属性	类型	描述
`command`	`array`	Command is the command and arguments to execute.
`container`	`string`	Container is the container in the pod where the command should be executed. If not specified, the pod's first container is used.
`onError`	`string`	OnError specifies how Velero should behave if it encounters an error executing this hook.
`timeout`	`string`	Timeout defines the maximum amount of time Velero should wait for the hook to complete before considering the execution a failure.

.spec.hooks.resources[].post[].exec.command

描述

Command is the command and arguments to execute.

类型

`array`

.spec.hooks.resources[].post[].exec.command[]

类型

`string`

.spec.hooks.resources[].pre

描述

PreHooks is a list of BackupResourceHooks to execute prior to storing the item in the backup. These are executed before any "additional items" from item actions are processed.

类型

`array`

.spec.hooks.resources[].pre[]

描述

BackupResourceHook defines a hook for a resource.

类型

`object`

必填

`exec`

属性	类型	描述
`exec`	`object`	Exec defines an exec hook.

.spec.hooks.resources[].pre[].exec

描述

Exec defines an exec hook.

类型

`object`

必填

`command`

属性	类型	描述
`command`	`array`	Command is the command and arguments to execute.
`container`	`string`	Container is the container in the pod where the command should be executed. If not specified, the pod's first container is used.
`onError`	`string`	OnError specifies how Velero should behave if it encounters an error executing this hook.
`timeout`	`string`	Timeout defines the maximum amount of time Velero should wait for the hook to complete before considering the execution a failure.

.spec.hooks.resources[].pre[].exec.command

描述

Command is the command and arguments to execute.

类型

`array`

.spec.hooks.resources[].pre[].exec.command[]

类型

`string`

.spec.includedClusterScopedResources

描述

IncludedClusterScopedResources is a slice of cluster-scoped resource type names to include in the backup. If set to "*", all cluster-scoped resource types are included. The default value is empty, which means only related cluster-scoped resources are included.

类型

`array`

.spec.includedClusterScopedResources[]

类型

`string`

.spec.includedNamespaceScopedResources

描述

IncludedNamespaceScopedResources is a slice of namespace-scoped resource type names to include in the backup. The default value is "*".

类型

`array`

.spec.includedNamespaceScopedResources[]

类型

`string`

.spec.includedNamespaces

描述

IncludedNamespaces is a slice of namespace names to include objects from. If empty, all namespaces are included.

类型

`array`

.spec.includedNamespaces[]

类型

`string`

.spec.includedResources

描述

IncludedResources is a slice of resource names to include in the backup. If empty, all resources are included.

类型

`array`

.spec.includedResources[]

类型

`string`

.spec.labelSelector

描述

LabelSelector is a metav1.LabelSelector to filter with when adding individual objects to the backup. If empty or nil, all objects are included. Optional.

类型

`object`

属性	类型	描述
`matchExpressions`	`array`	matchExpressions is a list of label selector requirements. The requirements are ANDed.
`matchLabels`	`object`	matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

.spec.labelSelector.matchExpressions

描述

matchExpressions is a list of label selector requirements. The requirements are ANDed.

类型

`array`

.spec.labelSelector.matchExpressions[]

描述

A label selector requirement is a selector that contains values, a key, and an operator that relates the key and values.

类型

`object`

必填

`key` `operator`

属性	类型	描述
`key`	`string`	key is the label key that the selector applies to.
`operator`	`string`	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.
`values`	`array`	values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

.spec.labelSelector.matchExpressions[].values

描述

values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

类型

`array`

.spec.labelSelector.matchExpressions[].values[]

类型

`string`

.spec.labelSelector.matchLabels

描述

matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

类型

`object`

.spec.orLabelSelectors

描述

OrLabelSelectors is list of metav1.LabelSelector to filter with when adding individual objects to the backup. If multiple provided they will be joined by the OR operator. LabelSelector as well as OrLabelSelectors cannot co-exist in backup request, only one of them can be used.

类型

`array`

.spec.orLabelSelectors[]

描述

A label selector is a label query over a set of resources. The result of matchLabels and matchExpressions are ANDed. An empty label selector matches all objects. A null label selector matches no objects.

类型

`object`

属性	类型	描述
`matchExpressions`	`array`	matchExpressions is a list of label selector requirements. The requirements are ANDed.
`matchLabels`	`object`	matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is

属性	类型	描述
		"key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

.spec.orLabelSelectors[].matchExpressions

描述

matchExpressions is a list of label selector requirements. The requirements are ANDed.

类型

`array`

.spec.orLabelSelectors[].matchExpressions[]

描述

A label selector requirement is a selector that contains values, a key, and an operator that relates the key and values.

类型

`object`

必填

`key` `operator`

属性	类型	描述
`key`	`string`	key is the label key that the selector applies to.
`operator`	`string`	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.

属性	类型	描述
`values`	`array`	values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

.spec.orLabelSelectors[].matchExpressions[].values

描述

values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

类型

`array`

.spec.orLabelSelectors[].matchExpressions[].values[]

类型

`string`

.spec.orLabelSelectors[].matchLabels

描述

matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

类型

`object`

.spec.orderedResources

描述

OrderedResources specifies the backup order of resources of specific Kind. The map key is the resource name and value is a list of object names separated by commas. Each resource name has format "namespace/objectname". For cluster resources, simply use "objectname".

类型

`object`

.spec.resourcePolicy

描述

ResourcePolicy specifies the referenced resource policies that backup should follow

类型

`object`

必填

`kind` `name`

属性	类型	描述
`apiGroup`	`string`	APIGroup is the group for the resource being referenced. If APIGroup is not specified, the specified Kind must be in the core API group. For any other third-party types, APIGroup is required.
`kind`	`string`	Kind is the type of resource being referenced
`name`	`string`	Name is the name of resource being referenced

.spec.uploaderConfig

描述

UploaderConfig specifies the configuration for the uploader.

类型

`object`

属性	类型	描述
`parallelFilesUpload`	`integer`	ParallelFilesUpload is the number of files parallel uploads to perform when using the uploader.

.spec.volumeSnapshotLocations

描述

VolumeSnapshotLocations is a list containing names of VolumeSnapshotLocations associated with this backup.

类型

`array`

.spec.volumeSnapshotLocations[]

类型

`string`

.status

描述

BackupStatus captures the current status of a Velero backup.

类型

`object`

属性	类型	描述
`backupItemOperationsAttempted`	`integer`	BackupItemOperationsAttempted is the total number of attempted async BackupItemAction operations for this backup.
`backupItemOperationsCompleted`	`integer`	BackupItemOperationsCompleted is the total number of successfully completed async BackupItemAction operations for this backup.
`backupItemOperationsFailed`	`integer`	BackupItemOperationsFailed is the total number of async BackupItemAction operations for this backup which ended with an error.
`completionTimestamp`	`string`	CompletionTimestamp records the time a backup was completed. Completion time is recorded even on failed backups. Completion time is recorded before uploading the backup object. The server's time is used for CompletionTimestamps
`csiVolumeSnapshotsAttempted`	`integer`	CSIVolumeSnapshotsAttempted is the total number of attempted CSI VolumeSnapshots for this backup.

属性	类型	描述
`csiVolumeSnapshotsCompleted`	`integer`	CSIVolumeSnapshotsCompleted is the total number of successfully completed CSI VolumeSnapshots for this backup.
`errors`	`integer`	Errors is a count of all error messages that were generated during execution of the backup. The actual errors are in the backup's log file in object storage.
`expiration`	`string`	Expiration is when this Backup is eligible for garbage-collection.
`failureReason`	`string`	FailureReason is an error that caused the entire backup to fail.
`formatVersion`	`string`	FormatVersion is the backup format version, including major, minor, and patch version.
`hookStatus`	`object`	HookStatus contains information about the status of the hooks.

属性	类型	描述
`phase`	`string`	Phase is the current state of the Backup.
`progress`	`object`	Progress contains information about the backup's execution progress. Note that this information is best-effort only -- if Velero fails to update it during a backup for any reason, it may be inaccurate/stale.
`startTimestamp`	`string`	StartTimestamp records the time a backup was started. Separate from CreationTimestamp, since that value changes on restores. The server's time is used for StartTimestamps
`validationErrors`	`array`	ValidationErrors is a slice of all validation errors (if applicable).
`version`	`integer`	Version is the backup format major version. Deprecated: Please see FormatVersion
`volumeSnapshotsAttempted`	`integer`	VolumeSnapshotsAttempted is the total number of attempted volume snapshots for this backup.

属性	类型	描述
`volumeSnapshotsCompleted`	`integer`	VolumeSnapshotsCompleted is the total number of successfully completed volume snapshots for this backup.
`warnings`	`integer`	Warnings is a count of all warning messages that were generated during execution of the backup. The actual warnings are in the backup's log file in object storage.

.status.hookStatus

描述

HookStatus contains information about the status of the hooks.

类型

`object`

属性	类型	描述
`hooksAttempted`	`integer`	HooksAttempted is the total number of attempted hooks Specifically, HooksAttempted represents the number of hooks that failed to execute and the number of hooks that executed successfully.
`hooksFailed`	`integer`	HooksFailed is the total number of hooks which ended with an error

.status.progress

描述

Progress contains information about the backup's execution progress. Note that this information is best-effort only -- if Velero fails to update it during a backup for any reason, it may be inaccurate/stale.

类型

`object`

属性	类型	描述
`itemsBackedUp`	`integer`	ItemsBackedUp is the number of items that have actually been written to the backup tarball so far.
`totalItems`	`integer`	TotalItems is the total number of items to be backed up. This number may change throughout the execution of the backup due to plugins that return additional related items to back up, the velero.io/exclude-from-backup label, and various other filters that happen as items are processed.

.status.validationErrors

描述

ValidationErrors is a slice of all validation errors (if applicable).

类型

`array`

.status.validationErrors[]

类型

`string`

API 端点

可用的 API 端点如下：

- `/apis/velero.io/v1/namespaces/{namespace}/backups`
  - `DELETE`: delete collection of Backup
  - `GET`: list objects of kind Backup
  - `POST`: create a new Backup
- `/apis/velero.io/v1/namespaces/{namespace}/backups/{name}`
  - `DELETE`: delete the specified Backup
  - `GET`: read the specified Backup
  - `PATCH`: partially update the specified Backup
  - `PUT`: replace the specified Backup

/apis/velero.io/v1/namespaces/{namespace}/backups

HTTP 方法

`DELETE`

描述

delete collection of Backup

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

list objects of kind Backup

HTTP 响应

HTTP 状态码	响应体
200 - OK	`BackupList` schema
401 - Unauthorized	Empty

HTTP 方法

`POST`

描述

create a new Backup

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the

参数	类型	描述
		request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`Backup` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Backup` schema
201 - Created	`Backup` schema
202 - Accepted	`Backup` schema
401 - Unauthorized	Empty

/apis/velero.io/v1/namespaces/{namespace}/backups/{name}

HTTP 方法

`DELETE`

描述

delete the specified Backup

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
202 - Accepted	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

read the specified Backup

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Backup` schema
401 - Unauthorized	Empty

HTTP 方法

`PATCH`

描述

partially update the specified Backup

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Backup` schema
401 - Unauthorized	Empty

HTTP 方法

`PUT`

描述

replace the specified Backup

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`Backup` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Backup` schema

HTTP 状态码	响应体
201 - Created	`Backup` schema
401 - Unauthorized	Empty

BackupRepository [velero.io/v1]

类型

`object`

规格

属性	类型	描述
`apiVersion`	`string`	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources ↗
`kind`	`string`	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds ↗

属性	类型	描述
`metadata`	`ObjectMeta`	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
`spec`	`object`	BackupRepositorySpec is the specification for a BackupRepository.
`status`	`object`	BackupRepositoryStatus is the current status of a BackupRepository.

.spec

描述

BackupRepositorySpec is the specification for a BackupRepository.

类型

`object`

必填

`backupStorageLocation` `maintenanceFrequency` `resticIdentifier` `volumeNamespace`

属性	类型	描述
`backupStorageLocation`	`string`	BackupStorageLocation is the name of the BackupStorageLocation that should contain this repository.

属性	类型	描述
`maintenanceFrequency`	`string`	MaintenanceFrequency is how often maintenance should be run.
`repositoryConfig`	`object`	RepositoryConfig is for repository-specific configuration fields.
`repositoryType`	`string`	RepositoryType indicates the type of the backend repository
`resticIdentifier`	`string`	ResticIdentifier is the full restic-compatible string for identifying this repository.
`volumeNamespace`	`string`	VolumeNamespace is the namespace this backup repository contains pod volume backups for.

.spec.repositoryConfig

描述

RepositoryConfig is for repository-specific configuration fields.

类型

`object`

.status

描述

BackupRepositoryStatus is the current status of a BackupRepository.

类型

`object`

属性	类型	描述
`lastMaintenanceTime`	`string`	LastMaintenanceTime is the last time maintenance was run.
`message`	`string`	Message is a message about the current status of the BackupRepository.
`phase`	`string`	Phase is the current state of the BackupRepository.

API 端点

可用的 API 端点如下：

- `/apis/velero.io/v1/namespaces/{namespace}/backuprepositories`
  - `DELETE`: delete collection of BackupRepository
  - `GET`: list objects of kind BackupRepository
  - `POST`: create a new BackupRepository
- `/apis/velero.io/v1/namespaces/{namespace}/backuprepositories/{name}`
  - `DELETE`: delete the specified BackupRepository
  - `GET`: read the specified BackupRepository
  - `PATCH`: partially update the specified BackupRepository
  - `PUT`: replace the specified BackupRepository

/apis/velero.io/v1/namespaces/{namespace}/backuprepositories

HTTP 方法

`DELETE`

描述

delete collection of BackupRepository

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

list objects of kind BackupRepository

HTTP 响应

HTTP 状态码	响应体
200 - OK	`BackupRepositoryList` schema
401 - Unauthorized	Empty

HTTP 方法

`POST`

描述

create a new BackupRepository

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`BackupRepository` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`BackupRepository` schema
201 - Created	`BackupRepository` schema

HTTP 状态码	响应体
202 - Accepted	`BackupRepository` schema
401 - Unauthorized	Empty

/apis/velero.io/v1/namespaces/{namespace}/backuprepositories/{name}

HTTP 方法

`DELETE`

描述

delete the specified BackupRepository

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
202 - Accepted	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

read the specified BackupRepository

HTTP 响应

HTTP 状态码	响应体
200 - OK	`BackupRepository` schema
401 - Unauthorized	Empty

HTTP 方法

`PATCH`

描述

partially update the specified BackupRepository

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server

参数	类型	描述
		will contain all unknown and duplicate fields encountered.

HTTP 响应

HTTP 状态码	响应体
200 - OK	`BackupRepository` schema
401 - Unauthorized	Empty

HTTP 方法

`PUT`

描述

replace the specified BackupRepository

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the

参数	类型	描述
		request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`BackupRepository` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`BackupRepository` schema
201 - Created	`BackupRepository` schema
401 - Unauthorized	Empty

BackupStorageLocation [velero.io/v1]

描述

BackupStorageLocation is a location where Velero stores backup objects

类型

`object`

规格

属性	类型	描述
`apiVersion`	`string`	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources ↗

属性	类型	描述
`kind`	`string`	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds ↗
`metadata`	`ObjectMeta`	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
`spec`	`object`	BackupStorageLocationSpec defines the desired state of a Velero BackupStorageLocation
`status`	`object`	BackupStorageLocationStatus defines the observed state of BackupStorageLocation

.spec

描述

BackupStorageLocationSpec defines the desired state of a Velero BackupStorageLocation

类型

`object`

必填

`objectStorage` `provider`

属性	类型	描述
`accessMode`	`string`	AccessMode defines the permissions for the backup storage location.
`backupSyncPeriod`	`string`	BackupSyncPeriod defines how frequently to sync backup API objects from object storage. A value of 0 disables sync.
`config`	`object`	Config is for provider-specific configuration fields.
`credential`	`object`	Credential contains the credential information intended to be used with this location
`default`	`boolean`	Default indicates this location is the default backup storage location.
`objectStorage`	`object`	ObjectStorageLocation specifies the settings necessary to connect to a provider's object storage.
`provider`	`string`	Provider is the provider of the backup storage.

属性	类型	描述
`validationFrequency`	`string`	ValidationFrequency defines how frequently to validate the corresponding object storage. A value of 0 disables validation.

.spec.config

描述

Config is for provider-specific configuration fields.

类型

`object`

.spec.credential

描述

Credential contains the credential information intended to be used with this location

类型

`object`

必填

`key`

属性	类型	描述
`key`	`string`	The key of the secret to select from. Must be a valid secret key.
`name`	`string`	Name of the referent. More info: https://kubernetes.io/docs/concepts/overview/working-with-

属性	类型	描述
		objects/names/#names↗ TODO: Add other useful fields. apiVersion, kind, uid?
`optional`	`boolean`	Specify whether the Secret or its key must be defined

.spec.objectStorage

描述

ObjectStorageLocation specifies the settings necessary to connect to a provider's object storage.

类型

`object`

必填

`bucket`

属性	类型	描述
`bucket`	`string`	Bucket is the bucket to use for object storage.
`caCert`	`string`	CACert defines a CA bundle to use when verifying TLS connections to the provider.
`prefix`	`string`	Prefix is the path inside a bucket to use for Velero storage. Optional.

.status

描述

BackupStorageLocationStatus defines the observed state of BackupStorageLocation

类型

`object`

属性	类型	描述
`accessMode`	`string`	AccessMode is an unused field. Deprecated: there is now an AccessMode field on the Spec and this field will be removed entirely as of v2.0.
`lastSyncedRevision`	`string`	LastSyncedRevision is the value of the `metadata/revision` file in the backup storage location the last time the BSL's contents were synced into the cluster. Deprecated: this field is no longer updated or used for detecting changes to the location's contents and will be removed entirely in v2.0.
`lastSyncedTime`	`string`	LastSyncedTime is the last time the contents of the location were synced into the cluster.
`lastValidationTime`	`string`	LastValidationTime is the last time the backup store location was validated the cluster.

属性	类型	描述
`message`	`string`	Message is a message about the backup storage location's status.
`phase`	`string`	Phase is the current state of the BackupStorageLocation.

API 端点

可用的 API 端点如下：

- `/apis/velero.io/v1/namespaces/{namespace}/backupstoragelocations`
  - `DELETE`: delete collection of BackupStorageLocation
  - `GET`: list objects of kind BackupStorageLocation
  - `POST`: create a new BackupStorageLocation
- `/apis/velero.io/v1/namespaces/{namespace}/backupstoragelocations/{name}`
  - `DELETE`: delete the specified BackupStorageLocation
  - `GET`: read the specified BackupStorageLocation
  - `PATCH`: partially update the specified BackupStorageLocation
  - `PUT`: replace the specified BackupStorageLocation

/apis/velero.io/v1/namespaces/{namespace}/backupstoragelocations

HTTP 方法

`DELETE`

描述

delete collection of BackupStorageLocation

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

list objects of kind BackupStorageLocation

HTTP 响应

HTTP 状态码	响应体
200 - OK	`BackupStorageLocationList` schema
401 - Unauthorized	Empty

HTTP 方法

`POST`

描述

create a new BackupStorageLocation

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing

参数	类型	描述
		unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`BackupStorageLocation` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`BackupStorageLocation` schema
201 - Created	`BackupStorageLocation` schema
202 - Accepted	`BackupStorageLocation` schema
401 - Unauthorized	Empty

/apis/velero.io/v1/namespaces/{namespace}/backupstoragelocations/{name}

HTTP 方法

`DELETE`

描述

delete the specified BackupStorageLocation

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
202 - Accepted	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

read the specified BackupStorageLocation

HTTP 响应

HTTP 状态码	响应体
200 - OK	`BackupStorageLocation` schema
401 - Unauthorized	Empty

HTTP 方法

`PATCH`

描述

partially update the specified BackupStorageLocation

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

HTTP 响应

HTTP 状态码	响应体
200 - OK	`BackupStorageLocation` schema
401 - Unauthorized	Empty

HTTP 方法

`PUT`

描述

replace the specified BackupStorageLocation

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`BackupStorageLocation` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`BackupStorageLocation` schema
201 - Created	`BackupStorageLocation` schema
401 - Unauthorized	Empty

DataDownload [velero.io/v2alpha1]

描述

DataDownload acts as the protocol between data mover plugins and data mover controller for the datamover restore operation

类型

`object`

规格

属性	类型	描述
`apiVersion`	`string`	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources ↗
`kind`	`string`	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info:

属性	类型	描述
		https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds ↗
`metadata`	`ObjectMeta`	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
`spec`	`object`	DataDownloadSpec is the specification for a DataDownload.
`status`	`object`	DataDownloadStatus is the current status of a DataDownload.

.spec

描述

DataDownloadSpec is the specification for a DataDownload.

类型

`object`

必填

`backupStorageLocation` `operationTimeout` `snapshotID` `sourceNamespace` `targetVolume`

属性	类型	描述
`backupStorageLocation`	`string`	BackupStorageLocation is the name of the backup storage location where the backup repository is stored.
`cancel`	`boolean`	Cancel indicates request to cancel the ongoing DataDownload. It can be set when the DataDownload is in InProgress phase
`dataMoverConfig`	`object`	DataMoverConfig is for data-mover-specific configuration fields.
`datamover`	`string`	DataMover specifies the data mover to be used by the backup. If DataMover is "" or "velero", the built-in data mover will be used.
`operationTimeout`	`string`	OperationTimeout specifies the time used to wait internal operations, before returning error as timeout.
`snapshotID`	`string`	SnapshotID is the ID of the Velero backup snapshot to be restored from.

属性	类型	描述
`sourceNamespace`	`string`	SourceNamespace is the original namespace where the volume is backed up from. It may be different from SourcePVC's namespace if namespace is remapped during restore.
`targetVolume`	`object`	TargetVolume is the information of the target PVC and PV.

.spec.dataMoverConfig

描述

DataMoverConfig is for data-mover-specific configuration fields.

类型

`object`

.spec.targetVolume

描述

TargetVolume is the information of the target PVC and PV.

类型

`object`

必填

`namespace` `pv` `pvc`

属性	类型	描述
`namespace`	`string`	Namespace is the target namespace

属性	类型	描述
`pv`	`string`	PV is the name of the target PV that is created by Velero restore
`pvc`	`string`	PVC is the name of the target PVC that is created by Velero restore

.status

描述

DataDownloadStatus is the current status of a DataDownload.

类型

`object`

属性	类型	描述
`completionTimestamp`	`string`	CompletionTimestamp records the time a restore was completed. Completion time is recorded even on failed restores. The server's time is used for CompletionTimestamps
`message`	`string`	Message is a message about the DataDownload's status.
`node`	`string`	Node is name of the node where the DataDownload is processed.

属性	类型	描述
`phase`	`string`	Phase is the current state of the DataDownload.
`progress`	`object`	Progress holds the total number of bytes of the snapshot and the current number of restored bytes. This can be used to display progress information about the restore operation.
`startTimestamp`	`string`	StartTimestamp records the time a restore was started. The server's time is used for StartTimestamps

.status.progress

描述

Progress holds the total number of bytes of the snapshot and the current number of restored bytes. This can be used to display progress information about the restore operation.

类型

`object`

属性	类型	描述
`bytesDone`	`integer`	
`totalBytes`	`integer`	

API 端点

可用的 API 端点如下：

- `/apis/velero.io/v2alpha1/namespaces/{namespace}/datadownloads`
  - `DELETE`: delete collection of DataDownload
  - `GET`: list objects of kind DataDownload
  - `POST`: create a new DataDownload
- `/apis/velero.io/v2alpha1/namespaces/{namespace}/datadownloads/{name}`
  - `DELETE`: delete the specified DataDownload
  - `GET`: read the specified DataDownload
  - `PATCH`: partially update the specified DataDownload
  - `PUT`: replace the specified DataDownload

/apis/velero.io/v2alpha1/namespaces/{namespace}/datadownloads

HTTP 方法

`DELETE`

描述

delete collection of DataDownload

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

list objects of kind DataDownload

HTTP 响应

HTTP 状态码	响应体
200 - OK	`DataDownloadList` schema
401 - Unauthorized	Empty

HTTP 方法

`POST`

描述

create a new DataDownload

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

参数	类型	描述
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`DataDownload` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`DataDownload` schema
201 - Created	`DataDownload` schema
202 - Accepted	`DataDownload` schema
401 - Unauthorized	Empty

/apis/velero.io/v2alpha1/namespaces/{namespace}/datadownloads/{name}

HTTP 方法

`DELETE`

描述

delete the specified DataDownload

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
202 - Accepted	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

read the specified DataDownload

HTTP 响应

HTTP 状态码	响应体
200 - OK	`DataDownload` schema
401 - Unauthorized	Empty

HTTP 方法

`PATCH`

描述

partially update the specified DataDownload

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

HTTP 响应

HTTP 状态码	响应体
200 - OK	`DataDownload` schema
401 - Unauthorized	Empty

HTTP 方法

`PUT`

描述

replace the specified DataDownload

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

参数	类型	描述
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`DataDownload` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`DataDownload` schema
201 - Created	`DataDownload` schema
401 - Unauthorized	Empty

DataUpload [velero.io/v2alpha1]

描述

DataUpload acts as the protocol between data mover plugins and data mover controller for the datamover backup operation

类型

`object`

规格

属性	类型	描述
`apiVersion`	`string`	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources ↗
`kind`	`string`	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info:

属性	类型	描述
		https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds ↗
`metadata`	`ObjectMeta`	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
`spec`	`object`	DataUploadSpec is the specification for a DataUpload.
`status`	`object`	DataUploadStatus is the current status of a DataUpload.

.spec

描述

DataUploadSpec is the specification for a DataUpload.

类型

`object`

必填

`backupStorageLocation` `operationTimeout` `snapshotType` `sourceNamespace` `sourcePVC`

属性	类型	描述
`backupStorageLocation`	`string`	BackupStorageLocation is the name of the backup storage location where the backup repository is stored.

属性	类型	描述
`cancel`	`boolean`	Cancel indicates request to cancel the ongoing DataUpload. It can be set when the DataUpload is in InProgress phase
`csiSnapshot`	`object`	If SnapshotType is CSI, CSISnapshot provides the information of the CSI snapshot.
`dataMoverConfig`	`object`	DataMoverConfig is for data-mover-specific configuration fields.
`datamover`	`string`	DataMover specifies the data mover to be used by the backup. If DataMover is "" or "velero", the built-in data mover will be used.
`operationTimeout`	`string`	OperationTimeout specifies the time used to wait internal operations, before returning error as timeout.
`snapshotType`	`string`	SnapshotType is the type of the snapshot to be backed up.
`sourceNamespace`	`string`	SourceNamespace is the original namespace where the volume is backed up from. It is the same namespace for SourcePVC and CSI namespaced objects.

属性	类型	描述
`sourcePVC`	`string`	SourcePVC is the name of the PVC which the snapshot is taken for.

.spec.csiSnapshot

描述

If SnapshotType is CSI, CSISnapshot provides the information of the CSI snapshot.

类型

`object`

必填

`storageClass` `volumeSnapshot`

属性	类型	描述
`snapshotClass`	`string`	SnapshotClass is the name of the snapshot class that the volume snapshot is created with
`storageClass`	`string`	StorageClass is the name of the storage class of the PVC that the volume snapshot is created from
`volumeSnapshot`	`string`	VolumeSnapshot is the name of the volume snapshot to be backed up

.spec.dataMoverConfig

描述

DataMoverConfig is for data-mover-specific configuration fields.

类型

`object`

.status

描述

DataUploadStatus is the current status of a DataUpload.

类型

`object`

属性	类型	描述
`completionTimestamp`	`string`	CompletionTimestamp records the time a backup was completed. Completion time is recorded even on failed backups. Completion time is recorded before uploading the backup object. The server's time is used for CompletionTimestamps
`dataMoverResult`	`object`	DataMoverResult stores data-mover-specific information as a result of the DataUpload.
`message`	`string`	Message is a message about the DataUpload's status.
`node`	`string`	Node is name of the node where the DataUpload is processed.

属性	类型	描述
`path`	`string`	Path is the full path of the snapshot volume being backed up.
`phase`	`string`	Phase is the current state of the DataUpload.
`progress`	`object`	Progress holds the total number of bytes of the volume and the current number of backed up bytes. This can be used to display progress information about the backup operation.
`snapshotID`	`string`	SnapshotID is the identifier for the snapshot in the backup repository.
`startTimestamp`	`string`	StartTimestamp records the time a backup was started. Separate from CreationTimestamp, since that value changes on restores. The server's time is used for StartTimestamps

.status.dataMoverResult

描述

DataMoverResult stores data-mover-specific information as a result of the DataUpload.

类型

`object`

.status.progress

描述

Progress holds the total number of bytes of the volume and the current number of backed up bytes. This can be used to display progress information about the backup operation.

类型

`object`

属性	类型	描述
`bytesDone`	`integer`	
`totalBytes`	`integer`	

API 端点

可用的 API 端点如下：

- `/apis/velero.io/v2alpha1/namespaces/{namespace}/datauploads`
  - `DELETE`: delete collection of DataUpload
  - `GET`: list objects of kind DataUpload
  - `POST`: create a new DataUpload
- `/apis/velero.io/v2alpha1/namespaces/{namespace}/datauploads/{name}`
  - `DELETE`: delete the specified DataUpload
  - `GET`: read the specified DataUpload
  - `PATCH`: partially update the specified DataUpload
  - `PUT`: replace the specified DataUpload

/apis/velero.io/v2alpha1/namespaces/{namespace}/datauploads

HTTP 方法

`DELETE`

描述

delete collection of DataUpload

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

list objects of kind DataUpload

HTTP 响应

HTTP 状态码	响应体
200 - OK	`DataUploadList` schema
401 - Unauthorized	Empty

HTTP 方法

`POST`

描述

create a new DataUpload

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

参数	类型	描述
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`DataUpload` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`DataUpload` schema
201 - Created	`DataUpload` schema
202 - Accepted	`DataUpload` schema
401 - Unauthorized	Empty

/apis/velero.io/v2alpha1/namespaces/{namespace}/datauploads/{name}

HTTP 方法

`DELETE`

描述

delete the specified DataUpload

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
202 - Accepted	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

read the specified DataUpload

HTTP 响应

HTTP 状态码	响应体
200 - OK	`DataUpload` schema
401 - Unauthorized	Empty

HTTP 方法

`PATCH`

描述

partially update the specified DataUpload

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

HTTP 响应

HTTP 状态码	响应体
200 - OK	`DataUpload` schema
401 - Unauthorized	Empty

HTTP 方法

`PUT`

描述

replace the specified DataUpload

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

参数	类型	描述
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`DataUpload` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`DataUpload` schema
201 - Created	`DataUpload` schema
401 - Unauthorized	Empty

DeleteBackupRequest [velero.io/v1]

描述

DeleteBackupRequest is a request to delete one or more backups.

类型

`object`

规格

属性	类型	描述
`apiVersion`	`string`	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources ↗

属性	类型	描述
`kind`	`string`	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds ↗
`metadata`	`ObjectMeta`	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
`spec`	`object`	DeleteBackupRequestSpec is the specification for which backups to delete.
`status`	`object`	DeleteBackupRequestStatus is the current status of a DeleteBackupRequest.

.spec

描述

DeleteBackupRequestSpec is the specification for which backups to delete.

类型

`object`

必填

`backupName`

属性	类型	描述
`backupName`	`string`	

.status

描述

DeleteBackupRequestStatus is the current status of a DeleteBackupRequest.

类型

`object`

属性	类型	描述
`errors`	`array`	Errors contains any errors that were encountered during the deletion process.
`phase`	`string`	Phase is the current state of the DeleteBackupRequest.

.status.errors

描述

Errors contains any errors that were encountered during the deletion process.

类型

`array`

.status.errors[]

类型

`string`

API 端点

可用的 API 端点如下：

- `/apis/velero.io/v1/namespaces/{namespace}/deletebackuprequests`
  - `DELETE`: delete collection of DeleteBackupRequest
  - `GET`: list objects of kind DeleteBackupRequest
  - `POST`: create a new DeleteBackupRequest
- `/apis/velero.io/v1/namespaces/{namespace}/deletebackuprequests/{name}`
  - `DELETE`: delete the specified DeleteBackupRequest
  - `GET`: read the specified DeleteBackupRequest
  - `PATCH`: partially update the specified DeleteBackupRequest
  - `PUT`: replace the specified DeleteBackupRequest

/apis/velero.io/v1/namespaces/{namespace}/deletebackuprequests

HTTP 方法

`DELETE`

描述

delete collection of DeleteBackupRequest

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

list objects of kind DeleteBackupRequest

HTTP 响应

HTTP 状态码	响应体
200 - OK	`DeleteBackupRequestList` schema
401 - Unauthorized	Empty

HTTP 方法

`POST`

描述

create a new DeleteBackupRequest

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate

参数	类型	描述
		fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`DeleteBackupRequest` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`DeleteBackupRequest` schema
201 - Created	`DeleteBackupRequest` schema
202 - Accepted	`DeleteBackupRequest` schema
401 - Unauthorized	Empty

/apis/velero.io/v1/namespaces/{namespace}/deletebackuprequests/{name}

HTTP 方法

`DELETE`

描述

delete the specified DeleteBackupRequest

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will

参数	类型	描述
		result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
202 - Accepted	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

read the specified DeleteBackupRequest

HTTP 响应

HTTP 状态码	响应体
200 - OK	`DeleteBackupRequest` schema
401 - Unauthorized	Empty

HTTP 方法

`PATCH`

描述

partially update the specified DeleteBackupRequest

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

HTTP 响应

HTTP 状态码	响应体
200 - OK	`DeleteBackupRequest` schema
401 - Unauthorized	Empty

HTTP 方法

`PUT`

描述

replace the specified DeleteBackupRequest

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`DeleteBackupRequest` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`DeleteBackupRequest` schema

HTTP 状态码	响应体
201 - Created	`DeleteBackupRequest` schema
401 - Unauthorized	Empty

DownloadRequest [velero.io/v1]

描述

DownloadRequest is a request to download an artifact from backup object storage, such as a backup log file.

类型

`object`

规格

属性	类型	描述
`apiVersion`	`string`	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources ↗
`kind`	`string`	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info:

属性	类型	描述
		https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds ↗
`metadata`	`ObjectMeta`	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
`spec`	`object`	DownloadRequestSpec is the specification for a download request.
`status`	`object`	DownloadRequestStatus is the current status of a DownloadRequest.

.spec

描述

DownloadRequestSpec is the specification for a download request.

类型

`object`

必填

`target`

属性	类型	描述
`target`	`object`	Target is what to download (e.g. logs for a backup).

.spec.target

描述

Target is what to download (e.g. logs for a backup).

类型

`object`

必填

`kind` `name`

属性	类型	描述
`kind`	`string`	Kind is the type of file to download.
`name`	`string`	Name is the name of the Kubernetes resource with which the file is associated.

.status

描述

DownloadRequestStatus is the current status of a DownloadRequest.

类型

`object`

属性	类型	描述
`downloadURL`	`string`	DownloadURL contains the pre-signed URL for the target file.
`expiration`	`string`	Expiration is when this DownloadRequest expires and can be deleted by the system.

属性	类型	描述
`phase`	`string`	Phase is the current state of the DownloadRequest.

API 端点

可用的 API 端点如下：

- `/apis/velero.io/v1/namespaces/{namespace}/downloadrequests`
  - `DELETE`: delete collection of DownloadRequest
  - `GET`: list objects of kind DownloadRequest
  - `POST`: create a new DownloadRequest
- `/apis/velero.io/v1/namespaces/{namespace}/downloadrequests/{name}`
  - `DELETE`: delete the specified DownloadRequest
  - `GET`: read the specified DownloadRequest
  - `PATCH`: partially update the specified DownloadRequest
  - `PUT`: replace the specified DownloadRequest

/apis/velero.io/v1/namespaces/{namespace}/downloadrequests

HTTP 方法

`DELETE`

描述

delete collection of DownloadRequest

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

list objects of kind DownloadRequest

HTTP 响应

HTTP 状态码	响应体
200 - OK	`DownloadRequestList` schema
401 - Unauthorized	Empty

HTTP 方法

`POST`

描述

create a new DownloadRequest

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last

参数	类型	描述
		duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`DownloadRequest` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`DownloadRequest` schema
201 - Created	`DownloadRequest` schema
202 - Accepted	`DownloadRequest` schema
401 - Unauthorized	Empty

/apis/velero.io/v1/namespaces/{namespace}/downloadrequests/{name}

HTTP 方法

`DELETE`

描述

delete the specified DownloadRequest

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
202 - Accepted	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

read the specified DownloadRequest

HTTP 响应

HTTP 状态码	响应体
200 - OK	`DownloadRequest` schema
401 - Unauthorized	Empty

HTTP 方法

`PATCH`

描述

partially update the specified DownloadRequest

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

HTTP 响应

HTTP 状态码	响应体
200 - OK	`DownloadRequest` schema
401 - Unauthorized	Empty

HTTP 方法

`PUT`

描述

replace the specified DownloadRequest

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`DownloadRequest` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`DownloadRequest` schema
201 - Created	`DownloadRequest` schema
401 - Unauthorized	Empty

PodVolumeBackup [velero.io/v1]

类型

`object`

规格

属性	类型	描述
`apiVersion`	`string`	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources ↗
`kind`	`string`	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds ↗

属性	类型	描述
`metadata`	`ObjectMeta`	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
`spec`	`object`	PodVolumeBackupSpec is the specification for a PodVolumeBackup.
`status`	`object`	PodVolumeBackupStatus is the current status of a PodVolumeBackup.

.spec

描述

PodVolumeBackupSpec is the specification for a PodVolumeBackup.

类型

`object`

必填

`backupStorageLocation` `node` `pod` `repoIdentifier` `volume`

属性	类型	描述
`backupStorageLocation`	`string`	BackupStorageLocation is the name of the backup storage location where the backup repository is stored.

属性	类型	描述
`node`	`string`	Node is the name of the node that the Pod is running on.
`pod`	`object`	Pod is a reference to the pod containing the volume to be backed up.
`repoIdentifier`	`string`	RepoIdentifier is the backup repository identifier.
`tags`	`object`	Tags are a map of key-value pairs that should be applied to the volume backup as tags.
`uploaderSettings`	`object`	UploaderSettings are a map of key-value pairs that should be applied to the uploader configuration.
`uploaderType`	`string`	UploaderType is the type of the uploader to handle the data transfer.
`volume`	`string`	Volume is the name of the volume within the Pod to be backed up.

.spec.pod

描述

Pod is a reference to the pod containing the volume to be backed up.

类型

`object`

属性	类型	描述
`apiVersion`	`string`	API version of the referent.
`fieldPath`	`string`	If referring to a piece of an object instead of an entire object, this string should contain a valid JSON/Go field access statement, such as desiredState.manifest.containers[2]. For example, if the object reference is to a container within a pod, this would take on a value like: "spec.containers{name}" (where "name" refers to the name of the container that triggered the event) or if no container name is specified "spec.containers[2]" (container with index 2 in this pod). This syntax is chosen only to have some well-defined way of referencing a part of an object. TODO: this design is not final and this field is subject to change in the future.
`kind`	`string`	Kind of the referent. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds ↗
`name`	`string`	Name of the referent. More info: https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names ↗

属性	类型	描述
`namespace`	`string`	Namespace of the referent. More info: https://kubernetes.io/docs/concepts/overview/working-with-objects/namespaces/ ↗
`resourceVersion`	`string`	Specific resourceVersion to which this reference is made, if any. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#concurrency-control-and-consistency ↗
`uid`	`string`	UID of the referent. More info: https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#uids ↗

.spec.tags

描述

Tags are a map of key-value pairs that should be applied to the volume backup as tags.

类型

`object`

.spec.uploaderSettings

描述

UploaderSettings are a map of key-value pairs that should be applied to the uploader configuration.

类型

`object`

.status

描述

PodVolumeBackupStatus is the current status of a PodVolumeBackup.

类型

`object`

属性	类型	描述
`completionTimestamp`	`string`	CompletionTimestamp records the time a backup was completed. Completion time is recorded even on failed backups. Completion time is recorded before uploading the backup object. The server's time is used for CompletionTimestamps
`message`	`string`	Message is a message about the pod volume backup's status.
`path`	`string`	Path is the full path within the controller pod being backed up.
`phase`	`string`	Phase is the current state of the PodVolumeBackup.

属性	类型	描述
`progress`	`object`	Progress holds the total number of bytes of the volume and the current number of backed up bytes. This can be used to display progress information about the backup operation.
`snapshotID`	`string`	SnapshotID is the identifier for the snapshot of the pod volume.
`startTimestamp`	`string`	StartTimestamp records the time a backup was started. Separate from CreationTimestamp, since that value changes on restores. The server's time is used for StartTimestamps

.status.progress

描述

Progress holds the total number of bytes of the volume and the current number of backed up bytes. This can be used to display progress information about the backup operation.

类型

`object`

属性	类型	描述
`bytesDone`	`integer`	
`totalBytes`	`integer`	

API 端点

可用的 API 端点如下：

- `/apis/velero.io/v1/namespaces/{namespace}/podvolumebackups`
  - `DELETE`: delete collection of PodVolumeBackup
  - `GET`: list objects of kind PodVolumeBackup
  - `POST`: create a new PodVolumeBackup
- `/apis/velero.io/v1/namespaces/{namespace}/podvolumebackups/{name}`
  - `DELETE`: delete the specified PodVolumeBackup
  - `GET`: read the specified PodVolumeBackup
  - `PATCH`: partially update the specified PodVolumeBackup
  - `PUT`: replace the specified PodVolumeBackup

/apis/velero.io/v1/namespaces/{namespace}/podvolumebackups

HTTP 方法

`DELETE`

描述

delete collection of PodVolumeBackup

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

list objects of kind PodVolumeBackup

HTTP 响应

HTTP 状态码	响应体
200 - OK	`PodVolumeBackupList` schema
401 - Unauthorized	Empty

HTTP 方法

`POST`

描述

create a new PodVolumeBackup

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

参数	类型	描述
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`PodVolumeBackup` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`PodVolumeBackup` schema
201 - Created	`PodVolumeBackup` schema
202 - Accepted	`PodVolumeBackup` schema
401 - Unauthorized	Empty

/apis/velero.io/v1/namespaces/{namespace}/podvolumebackups/{name}

HTTP 方法

`DELETE`

描述

delete the specified PodVolumeBackup

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
202 - Accepted	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

read the specified PodVolumeBackup

HTTP 响应

HTTP 状态码	响应体
200 - OK	`PodVolumeBackup` schema
401 - Unauthorized	Empty

HTTP 方法

`PATCH`

描述

partially update the specified PodVolumeBackup

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

HTTP 响应

HTTP 状态码	响应体
200 - OK	`PodVolumeBackup` schema
401 - Unauthorized	Empty

HTTP 方法

`PUT`

描述

replace the specified PodVolumeBackup

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

参数	类型	描述
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`PodVolumeBackup` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`PodVolumeBackup` schema
201 - Created	`PodVolumeBackup` schema
401 - Unauthorized	Empty

PodVolumeRestore [velero.io/v1]

类型

`object`

规格

属性	类型	描述
`apiVersion`	`string`	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources ↗
`kind`	`string`	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds ↗

属性	类型	描述
`metadata`	`ObjectMeta`	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
`spec`	`object`	PodVolumeRestoreSpec is the specification for a PodVolumeRestore.
`status`	`object`	PodVolumeRestoreStatus is the current status of a PodVolumeRestore.

.spec

描述

PodVolumeRestoreSpec is the specification for a PodVolumeRestore.

类型

`object`

必填

`backupStorageLocation` `pod` `repoIdentifier` `snapshotID` `sourceNamespace` `volume`

属性	类型	描述
`backupStorageLocation`	`string`	BackupStorageLocation is the name of the backup storage location where the backup repository is stored.

属性	类型	描述
`pod`	`object`	Pod is a reference to the pod containing the volume to be restored.
`repoIdentifier`	`string`	RepoIdentifier is the backup repository identifier.
`snapshotID`	`string`	SnapshotID is the ID of the volume snapshot to be restored.
`sourceNamespace`	`string`	SourceNamespace is the original namespace for namaspace mapping.
`uploaderSettings`	`object`	UploaderSettings are a map of key-value pairs that should be applied to the uploader configuration.
`uploaderType`	`string`	UploaderType is the type of the uploader to handle the data transfer.
`volume`	`string`	Volume is the name of the volume within the Pod to be restored.

.spec.pod

描述

Pod is a reference to the pod containing the volume to be restored.

类型

`object`

属性	类型	描述
`apiVersion`	`string`	API version of the referent.
`fieldPath`	`string`	If referring to a piece of an object instead of an entire object, this string should contain a valid JSON/Go field access statement, such as desiredState.manifest.containers[2]. For example, if the object reference is to a container within a pod, this would take on a value like: "spec.containers{name}" (where "name" refers to the name of the container that triggered the event) or if no container name is specified "spec.containers[2]" (container with index 2 in this pod). This syntax is chosen only to have some well-defined way of referencing a part of an object. TODO: this design is not final and this field is subject to change in the future.
`kind`	`string`	Kind of the referent. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds ↗
`name`	`string`	Name of the referent. More info: https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names ↗

属性	类型	描述
`namespace`	`string`	Namespace of the referent. More info: https://kubernetes.io/docs/concepts/overview/working-with-objects/namespaces/ ↗
`resourceVersion`	`string`	Specific resourceVersion to which this reference is made, if any. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#concurrency-control-and-consistency ↗
`uid`	`string`	UID of the referent. More info: https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#uids ↗

.spec.uploaderSettings

描述

UploaderSettings are a map of key-value pairs that should be applied to the uploader configuration.

类型

`object`

.status

描述

PodVolumeRestoreStatus is the current status of a PodVolumeRestore.

类型

`object`

属性	类型	描述
`completionTimestamp`	`string`	CompletionTimestamp records the time a restore was completed. Completion time is recorded even on failed restores. The server's time is used for CompletionTimestamps
`message`	`string`	Message is a message about the pod volume restore's status.
`phase`	`string`	Phase is the current state of the PodVolumeRestore.
`progress`	`object`	Progress holds the total number of bytes of the snapshot and the current number of restored bytes. This can be used to display progress information about the restore operation.
`startTimestamp`	`string`	StartTimestamp records the time a restore was started. The server's time is used for StartTimestamps

.status.progress

描述

Progress holds the total number of bytes of the snapshot and the current number of restored bytes. This can be used to display progress information about the restore

operation.

类型

`object`

属性	类型	描述
`bytesDone`	`integer`	
`totalBytes`	`integer`	

API 端点

可用的 API 端点如下：

- `/apis/velero.io/v1/namespaces/{namespace}/podvolumerestores`
  - `DELETE`: delete collection of PodVolumeRestore
  - `GET`: list objects of kind PodVolumeRestore
  - `POST`: create a new PodVolumeRestore
- `/apis/velero.io/v1/namespaces/{namespace}/podvolumerestores/{name}`
  - `DELETE`: delete the specified PodVolumeRestore
  - `GET`: read the specified PodVolumeRestore
  - `PATCH`: partially update the specified PodVolumeRestore
  - `PUT`: replace the specified PodVolumeRestore

/apis/velero.io/v1/namespaces/{namespace}/podvolumerestores

HTTP 方法

`DELETE`

描述

delete collection of PodVolumeRestore

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

list objects of kind PodVolumeRestore

HTTP 响应

HTTP 状态码	响应体
200 - OK	`PodVolumeRestoreList` schema
401 - Unauthorized	Empty

HTTP 方法

`POST`

描述

create a new PodVolumeRestore

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing

参数	类型	描述
		unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`PodVolumeRestore` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`PodVolumeRestore` schema
201 - Created	`PodVolumeRestore` schema
202 - Accepted	`PodVolumeRestore` schema
401 - Unauthorized	Empty

/apis/velero.io/v1/namespaces/{namespace}/podvolumerestores/{name}

HTTP 方法

`DELETE`

描述

delete the specified PodVolumeRestore

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
202 - Accepted	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

read the specified PodVolumeRestore

HTTP 响应

HTTP 状态码	响应体
200 - OK	`PodVolumeRestore` schema
401 - Unauthorized	Empty

HTTP 方法

`PATCH`

描述

partially update the specified PodVolumeRestore

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

HTTP 响应

HTTP 状态码	响应体
200 - OK	`PodVolumeRestore` schema
401 - Unauthorized	Empty

HTTP 方法

`PUT`

描述

replace the specified PodVolumeRestore

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`PodVolumeRestore` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`PodVolumeRestore` schema
201 - Created	`PodVolumeRestore` schema
401 - Unauthorized	Empty

Restore [velero.io/v1]

描述

Restore is a Velero resource that represents the application of resources from a Velero backup to a target Kubernetes cluster.

类型

`object`

规格

属性	类型	描述
`apiVersion`	`string`	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources ↗
`kind`	`string`	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info:

属性	类型	描述
		https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds ↗
`metadata`	`ObjectMeta`	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
`spec`	`object`	RestoreSpec defines the specification for a Velero restore.
`status`	`object`	RestoreStatus captures the current status of a Velero restore

.spec

描述

RestoreSpec defines the specification for a Velero restore.

类型

`object`

属性	类型	描述
`backupName`	`string`	BackupName is the unique name of the Velero backup to restore from.
`excludedNamespaces`	`array`	ExcludedNamespaces contains a list of namespaces that are not included in the restore.

属性	类型	描述
`excludedResources`	`array`	ExcludedResources is a slice of resource names that are not included in the restore.
`existingResourcePolicy`	`string`	ExistingResourcePolicy specifies the restore behavior for the Kubernetes resource to be restored
`hooks`	`object`	Hooks represent custom behaviors that should be executed during or post restore.
`includeClusterResources`	`boolean`	IncludeClusterResources specifies whether cluster-scoped resources should be included for consideration in the restore. If null, defaults to true.
`includedNamespaces`	`array`	IncludedNamespaces is a slice of namespace names to include objects from. If empty, all namespaces are included.
`includedResources`	`array`	IncludedResources is a slice of resource names to include in the restore. If empty, all resources in the backup are included.

属性	类型	描述
`itemOperationTimeout`	`string`	ItemOperationTimeout specifies the time used to wait for RestoreItemAction operations The default value is 4 hour.
`labelSelector`	`object`	LabelSelector is a metav1.LabelSelector to filter with when restoring individual objects from the backup. If empty or nil, all objects are included. Optional.
`namespaceMapping`	`object`	NamespaceMapping is a map of source namespace names to target namespace names to restore into. Any source namespaces not included in the map will be restored into namespaces of the same name.
`orLabelSelectors`	`array`	OrLabelSelectors is list of metav1.LabelSelector to filter with when restoring individual objects from the backup. If multiple provided they will be joined by the OR operator. LabelSelector as well as OrLabelSelectors cannot co-exist in restore request, only one of them can be used
`preserveNodePorts`	`boolean`	PreserveNodePorts specifies whether to restore old nodePorts from backup.

属性	类型	描述
`resourceModifier`	`object`	ResourceModifier specifies the reference to JSON resource patches that should be applied to resources before restoration.
`restorePVs`	`boolean`	RestorePVs specifies whether to restore all included PVs from snapshot
`restoreStatus`	`object`	RestoreStatus specifies which resources we should restore the status field. If nil, no objects are included. Optional.
`scheduleName`	`string`	ScheduleName is the unique name of the Velero schedule to restore from. If specified, and BackupName is empty, Velero will restore from the most recent successful backup created from this schedule.
`uploaderConfig`	`object`	UploaderConfig specifies the configuration for the restore.

.spec.excludedNamespaces

描述

ExcludedNamespaces contains a list of namespaces that are not included in the restore.

类型

`array`

.spec.excludedNamespaces[]

类型

`string`

.spec.excludedResources

描述

ExcludedResources is a slice of resource names that are not included in the restore.

类型

`array`

.spec.excludedResources[]

类型

`string`

.spec.hooks

描述

Hooks represent custom behaviors that should be executed during or post restore.

类型

`object`

属性	类型	描述
`resources`	`array`	

.spec.hooks.resources

类型

`array`

.spec.hooks.resources[]

描述

RestoreResourceHookSpec defines one or more RestoreResrouceHooks that should be executed based on the rules defined for namespaces, resources, and label selector.

类型

`object`

必填

`name`

属性	类型	描述
`excludedNamespaces`	`array`	ExcludedNamespaces specifies the namespaces to which this hook spec does not apply.
`excludedResources`	`array`	ExcludedResources specifies the resources to which this hook spec does not apply.
`includedNamespaces`	`array`	IncludedNamespaces specifies the namespaces to which this hook spec applies. If empty, it applies to all namespaces.
`includedResources`	`array`	IncludedResources specifies the resources to which this hook spec applies. If empty, it applies to all resources.
`labelSelector`	`object`	LabelSelector, if specified, filters the resources to which this hook spec applies.

属性	类型	描述
`name`	`string`	Name is the name of this hook.
`postHooks`	`array`	PostHooks is a list of RestoreResourceHooks to execute during and after restoring a resource.

.spec.hooks.resources[].excludedNamespaces

描述

ExcludedNamespaces specifies the namespaces to which this hook spec does not apply.

类型

`array`

.spec.hooks.resources[].excludedNamespaces[]

类型

`string`

.spec.hooks.resources[].excludedResources

描述

ExcludedResources specifies the resources to which this hook spec does not apply.

类型

`array`

.spec.hooks.resources[].excludedResources[]

类型

`string`

.spec.hooks.resources[].includedNamespaces

描述

IncludedNamespaces specifies the namespaces to which this hook spec applies. If empty, it applies to all namespaces.

类型

`array`

.spec.hooks.resources[].includedNamespaces[]

类型

`string`

.spec.hooks.resources[].includedResources

描述

IncludedResources specifies the resources to which this hook spec applies. If empty, it applies to all resources.

类型

`array`

.spec.hooks.resources[].includedResources[]

类型

`string`

.spec.hooks.resources[].labelSelector

描述

LabelSelector, if specified, filters the resources to which this hook spec applies.

类型

`object`

属性	类型	描述
`matchExpressions`	`array`	matchExpressions is a list of label selector requirements. The requirements are ANDed.
`matchLabels`	`object`	matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

.spec.hooks.resources[].labelSelector.matchExpressions

描述

matchExpressions is a list of label selector requirements. The requirements are ANDed.

类型

`array`

.spec.hooks.resources[].labelSelector.matchExpressions[]

描述

A label selector requirement is a selector that contains values, a key, and an operator that relates the key and values.

类型

`object`

必填

`key` `operator`

属性	类型	描述
`key`	`string`	key is the label key that the selector applies to.
`operator`	`string`	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.
`values`	`array`	values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

.spec.hooks.resources[].labelSelector.matchExpressions[].values

描述

values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

类型

`array`

.spec.hooks.resources[].labelSelector.matchExpressions[].values[]

类型

`string`

.spec.hooks.resources[].labelSelector.matchLabels

描述

matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

类型

`object`

.spec.hooks.resources[].postHooks

描述

PostHooks is a list of RestoreResourceHooks to execute during and after restoring a resource.

类型

`array`

.spec.hooks.resources[].postHooks[]

描述

RestoreResourceHook defines a restore hook for a resource.

类型

`object`

属性	类型	描述
`exec`	`object`	Exec defines an exec restore hook.
`init`	`object`	Init defines an init restore hook.

.spec.hooks.resources[].postHooks[].exec

描述

Exec defines an exec restore hook.

类型

`object`

必填

`command`

属性	类型	描述
`command`	`array`	Command is the command and arguments to execute from within a container after a pod has been restored.
`container`	`string`	Container is the container in the pod where the command should be executed. If not specified, the pod's first container is used.
`execTimeout`	`string`	ExecTimeout defines the maximum amount of time Velero should wait for the hook to complete before considering the execution a failure.
`onError`	`string`	OnError specifies how Velero should behave if it encounters an error executing this hook.
`waitForReady`	`boolean`	WaitForReady ensures command will be launched when container is Ready instead of Running.
`waitTimeout`	`string`	WaitTimeout defines the maximum amount of time Velero should wait for the container to be Ready before

属性	类型	描述
		attempting to run the command.

.spec.hooks.resources[].postHooks[].exec.command

描述

Command is the command and arguments to execute from within a container after a pod has been restored.

类型

`array`

.spec.hooks.resources[].postHooks[].exec.command[]

类型

`string`

.spec.hooks.resources[].postHooks[].init

描述

Init defines an init restore hook.

类型

`object`

属性	类型	描述
`initContainers`	`array`	InitContainers is list of init containers to be added to a pod during its restore.

属性	类型	描述
`timeout`	`string`	Timeout defines the maximum amount of time Velero should wait for the initContainers to complete.

.spec.hooks.resources[].postHooks[].init.initContainers

描述

InitContainers is list of init containers to be added to a pod during its restore.

类型

`array`

.spec.hooks.resources[].postHooks[].init.initContainers[]

类型

`object`

.spec.includedNamespaces

描述

IncludedNamespaces is a slice of namespace names to include objects from. If empty, all namespaces are included.

类型

`array`

.spec.includedNamespaces[]

类型

`string`

.spec.includedResources

描述

IncludedResources is a slice of resource names to include in the restore. If empty, all resources in the backup are included.

类型

`array`

.spec.includedResources[]

类型

`string`

.spec.labelSelector

描述

LabelSelector is a metav1.LabelSelector to filter with when restoring individual objects from the backup. If empty or nil, all objects are included. Optional.

类型

`object`

属性	类型	描述
`matchExpressions`	`array`	matchExpressions is a list of label selector requirements. The requirements are ANDed.
`matchLabels`	`object`	matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

.spec.labelSelector.matchExpressions

描述

matchExpressions is a list of label selector requirements. The requirements are ANDed.

类型

`array`

.spec.labelSelector.matchExpressions[]

描述

A label selector requirement is a selector that contains values, a key, and an operator that relates the key and values.

类型

`object`

必填

`key` `operator`

属性	类型	描述
`key`	`string`	key is the label key that the selector applies to.
`operator`	`string`	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.
`values`	`array`	values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

.spec.labelSelector.matchExpressions[].values

描述

values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

类型

`array`

.spec.labelSelector.matchExpressions[].values[]

类型

`string`

.spec.labelSelector.matchLabels

描述

matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

类型

`object`

.spec.namespaceMapping

描述

NamespaceMapping is a map of source namespace names to target namespace names to restore into. Any source namespaces not included in the map will be restored into namespaces of the same name.

类型

`object`

.spec.orLabelSelectors

描述

OrLabelSelectors is list of metav1.LabelSelector to filter with when restoring individual objects from the backup. If multiple provided they will be joined by the OR operator. LabelSelector as well as OrLabelSelectors cannot co-exist in restore request, only one of them can be used

类型

`array`

.spec.orLabelSelectors[]

描述

A label selector is a label query over a set of resources. The result of matchLabels and matchExpressions are ANDed. An empty label selector matches all objects. A null label selector matches no objects.

类型

`object`

属性	类型	描述
`matchExpressions`	`array`	matchExpressions is a list of label selector requirements. The requirements are ANDed.
`matchLabels`	`object`	matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

.spec.orLabelSelectors[].matchExpressions

描述

matchExpressions is a list of label selector requirements. The requirements are ANDed.

类型

`array`

.spec.orLabelSelectors[].matchExpressions[]

描述

A label selector requirement is a selector that contains values, a key, and an operator that relates the key and values.

类型

`object`

必填

`key` `operator`

属性	类型	描述
`key`	`string`	key is the label key that the selector applies to.
`operator`	`string`	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.
`values`	`array`	values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

.spec.orLabelSelectors[].matchExpressions[].values

描述

values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

类型

`array`

.spec.orLabelSelectors[].matchExpressions[].values[]

类型

`string`

.spec.orLabelSelectors[].matchLabels

描述

matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

类型

`object`

.spec.resourceModifier

描述

ResourceModifier specifies the reference to JSON resource patches that should be applied to resources before restoration.

类型

`object`

必填

`kind` `name`

属性	类型	描述
`apiGroup`	`string`	APIGroup is the group for the resource being referenced. If APIGroup is not specified, the specified Kind must be in the core API group. For any other third-party types, APIGroup is required.
`kind`	`string`	Kind is the type of resource being referenced
`name`	`string`	Name is the name of resource being referenced

.spec.restoreStatus

描述

RestoreStatus specifies which resources we should restore the status field. If nil, no objects are included. Optional.

类型

`object`

属性	类型	描述
`excludedResources`	`array`	ExcludedResources specifies the resources to which will not restore the status.
`includedResources`	`array`	IncludedResources specifies the resources to which will restore the status. If empty, it applies to all resources.

.spec.restoreStatus.excludedResources

描述

ExcludedResources specifies the resources to which will not restore the status.

类型

`array`

.spec.restoreStatus.excludedResources[]

类型

`string`

.spec.restoreStatus.includedResources

描述

IncludedResources specifies the resources to which will restore the status. If empty, it applies to all resources.

类型

`array`

.spec.restoreStatus.includedResources[]

类型

`string`

.spec.uploaderConfig

描述

UploaderConfig specifies the configuration for the restore.

类型

`object`

属性	类型	描述
`parallelFilesDownload`	`integer`	ParallelFilesDownload is the concurrency number setting for restore.
`writeSparseFiles`	`boolean`	WriteSparseFiles is a flag to indicate whether write files sparsely or not.

.status

描述

RestoreStatus captures the current status of a Velero restore

类型

`object`

属性	类型	描述
`completionTimestamp`	`string`	CompletionTimestamp records the time the restore operation was completed. Completion time is recorded even on failed restore. The server's time is used for StartTimestamps
`errors`	`integer`	Errors is a count of all error messages that were generated during execution of the restore. The actual errors are stored in object storage.

属性	类型	描述
`failureReason`	`string`	FailureReason is an error that caused the entire restore to fail.
`hookStatus`	`object`	HookStatus contains information about the status of the hooks.
`phase`	`string`	Phase is the current state of the Restore
`progress`	`object`	Progress contains information about the restore's execution progress. Note that this information is best-effort only -- if Velero fails to update it during a restore for any reason, it may be inaccurate/stale.
`restoreItemOperationsAttempted`	`integer`	RestoreItemOperationsAttempted is the total number of attempted async RestoreItemAction operations for this restore.
`restoreItemOperationsCompleted`	`integer`	RestoreItemOperationsCompleted is the total number of successfully completed async RestoreItemAction operations for this restore.

属性	类型	描述
`restoreItemOperationsFailed`	`integer`	RestoreItemOperationsFailed is the total number of async RestoreItemAction operations for this restore which ended with an error.
`startTimestamp`	`string`	StartTimestamp records the time the restore operation was started. The server's time is used for StartTimestamps
`validationErrors`	`array`	ValidationErrors is a slice of all validation errors (if applicable)
`warnings`	`integer`	Warnings is a count of all warning messages that were generated during execution of the restore. The actual warnings are stored in object storage.

.status.hookStatus

描述

HookStatus contains information about the status of the hooks.

类型

`object`

属性	类型	描述
`hooksAttempted`	`integer`	HooksAttempted is the total number of attempted hooks Specifically, HooksAttempted represents the number of hooks that failed to execute and the number of hooks that executed successfully.
`hooksFailed`	`integer`	HooksFailed is the total number of hooks which ended with an error

.status.progress

描述

Progress contains information about the restore's execution progress. Note that this information is best-effort only -- if Velero fails to update it during a restore for any reason, it may be inaccurate/stale.

类型

`object`

属性	类型	描述
`itemsRestored`	`integer`	ItemsRestored is the number of items that have actually been restored so far
`totalItems`	`integer`	TotalItems is the total number of items to be restored. This number may change throughout the execution of the restore due to plugins that return additional related items to restore

.status.validationErrors

描述

ValidationErrors is a slice of all validation errors (if applicable)

类型

`array`

.status.validationErrors[]

类型

`string`

API 端点

可用的 API 端点如下：

- `/apis/velero.io/v1/namespaces/{namespace}/restores`
  - `DELETE`: delete collection of Restore
  - `GET`: list objects of kind Restore
  - `POST`: create a new Restore
- `/apis/velero.io/v1/namespaces/{namespace}/restores/{name}`
  - `DELETE`: delete the specified Restore
  - `GET`: read the specified Restore
  - `PATCH`: partially update the specified Restore
  - `PUT`: replace the specified Restore

/apis/velero.io/v1/namespaces/{namespace}/restores

HTTP 方法

`DELETE`

描述

delete collection of Restore

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

list objects of kind Restore

HTTP 响应

HTTP 状态码	响应体
200 - OK	`RestoreList` schema
401 - Unauthorized	Empty

HTTP 方法

`POST`

描述

create a new Restore

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

参数	类型	描述
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`Restore` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Restore` schema
201 - Created	`Restore` schema
202 - Accepted	`Restore` schema
401 - Unauthorized	Empty

/apis/velero.io/v1/namespaces/{namespace}/restores/{name}

HTTP 方法

`DELETE`

描述

delete the specified Restore

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
202 - Accepted	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

read the specified Restore

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Restore` schema
401 - Unauthorized	Empty

HTTP 方法

`PATCH`

描述

partially update the specified Restore

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Restore` schema
401 - Unauthorized	Empty

HTTP 方法

`PUT`

描述

replace the specified Restore

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

参数	类型	描述
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`Restore` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Restore` schema
201 - Created	`Restore` schema
401 - Unauthorized	Empty

Schedule [velero.io/v1]

描述

Schedule is a Velero resource that represents a pre-scheduled or periodic Backup that should be run.

类型

`object`

规格

属性	类型	描述
`apiVersion`	`string`	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources ↗
`kind`	`string`	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info:

属性	类型	描述
		https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds ↗
`metadata`	`ObjectMeta`	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
`spec`	`object`	ScheduleSpec defines the specification for a Velero schedule
`status`	`object`	ScheduleStatus captures the current state of a Velero schedule

.spec

描述

ScheduleSpec defines the specification for a Velero schedule

类型

`object`

必填

`schedule` `template`

属性	类型	描述
`paused`	`boolean`	Paused specifies whether the schedule is paused or not

属性	类型	描述
`schedule`	`string`	Schedule is a Cron expression defining when to run the Backup.
`skipImmediately`	`boolean`	SkipImmediately specifies whether to skip backup if schedule is due immediately from `schedule.status.lastBackup` timestamp when schedule is unpaused or if schedule is new. If true, backup will be skipped immediately when schedule is unpaused if it is due based on .Status.LastBackupTimestamp or schedule is new, and will run at next schedule time. If false, backup will not be skipped immediately when schedule is unpaused, but will run at next schedule time. If empty, will follow server configuration (default: false).
`template`	`object`	Template is the definition of the Backup to be run on the provided schedule
`useOwnerReferencesInBackup`	`boolean`	UseOwnerReferencesBackup specifies whether to use OwnerReferences on backups created by this Schedule.

.spec.template

描述

Template is the definition of the Backup to be run on the provided schedule

类型

`object`

属性	类型	描述
`csiSnapshotTimeout`	`string`	CSISnapshotTimeout specifies the time used to wait for CSI VolumeSnapshot status turns to ReadyToUse during creation, before returning error as timeout. The default value is 10 minute
`datamover`	`string`	DataMover specifies the data mover to be used by the backup. If DataMover is "" or "velero", the built-in data mover will be used.
`defaultVolumesToFsBackup`	`boolean`	DefaultVolumesToFsBackup specifies whether pod volume file system backup should be used for all volumes by default.
`defaultVolumesToRestic`	`boolean`	DefaultVolumesToRestic specifies whether restic should be used to take a backup of all pod volumes by default. Deprecated: this field is no longer used and will be removed entirely in future. Use DefaultVolumesToFsBackup instead.

属性	类型	描述
`excludedClusterScopedResources`	`array`	ExcludedClusterScopedResources is a slice of cluster-scoped resource type names to exclude from the backup. If set to "*", all cluster-scoped resource types are excluded. The default value is empty.
`excludedNamespaceScopedResources`	`array`	ExcludedNamespaceScopedResources is a slice of namespace-scoped resource type names to exclude from the backup. If set to "*", all namespace-scoped resource types are excluded. The default value is empty.
`excludedNamespaces`	`array`	ExcludedNamespaces contains a list of namespaces that are not included in the backup.
`excludedResources`	`array`	ExcludedResources is a slice of resource names that are not included in the backup.
`hooks`	`object`	Hooks represent custom behaviors that should be executed at different phases of the backup.

属性	类型	描述
`includeClusterResources`	`boolean`	IncludeClusterResources specifies whether cluster-scoped resources should be included for consideration in the backup.
`includedClusterScopedResources`	`array`	IncludedClusterScopedResources is a slice of cluster-scoped resource type names to include in the backup. If set t "*", all cluster-scoped resource types are included. The default value is empty, which means only related cluster-scoped resources are included.
`includedNamespaceScopedResources`	`array`	IncludedNamespaceScopedResources is a slice of namespace-scoped resource type names to include in the backup. The default value is "*".
`includedNamespaces`	`array`	IncludedNamespaces is a slice of namespace names to include objects from. If empty, all namespaces are included.
`includedResources`	`array`	IncludedResources is a slice of resource names to include in the backup. If empty, all resources are included.

属性	类型	描述
`itemOperationTimeout`	`string`	ItemOperationTimeout specifies the time used to wait for asynchronous BackupItemAction operations The default value is 4 hour.
`labelSelector`	`object`	LabelSelector is a metav1.LabelSelector to filter with when adding individual objects to the backup. If empty or nil, all objects are included. Optional.
`metadata`	`ObjectMeta`	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
`orLabelSelectors`	`array`	OrLabelSelectors is list of metav1.LabelSelector to filter with when adding individual objects to the backup. If multiple provided they will be joined by the OR operator. LabelSelector as well as OrLabelSelectors cannot co-exist in backup request, only one of them can be used.
`orderedResources`	`object`	OrderedResources specifies the backup order of resources of specific Kind. The map key is the resource name and value is a list of object

属性	类型	描述
		names separated by commas. Each resource name has format "namespace/objectname". For cluster resources, simply use "objectname".
`resourcePolicy`	`object`	ResourcePolicy specifies the referenced resource policies that backup should follow
`snapshotMoveData`	`boolean`	SnapshotMoveData specifies whether snapshot data should be moved
`snapshotVolumes`	`boolean`	SnapshotVolumes specifies whether to take snapshots of any PV's referenced in the set of objects included in the Backup.
`storageLocation`	`string`	StorageLocation is a string containing the name of a BackupStorageLocation where the backup should be stored.
`ttl`	`string`	TTL is a time.Duration-parseable string describing how long the Backup should be retained for.

属性	类型	描述
`uploaderConfig`	`object`	UploaderConfig specifies the configuration for the uploader.
`volumeSnapshotLocations`	`array`	VolumeSnapshotLocations is a list containing names of VolumeSnapshotLocations associated with this backup.

.spec.template.excludedClusterScopedResources

描述

ExcludedClusterScopedResources is a slice of cluster-scoped resource type names to exclude from the backup. If set to "*", all cluster-scoped resource types are excluded. The default value is empty.

类型

`array`

.spec.template.excludedClusterScopedResources[]

类型

`string`

.spec.template.excludedNamespaceScopedResources

描述

ExcludedNamespaceScopedResources is a slice of namespace-scoped resource type names to exclude from the backup. If set to "*", all namespace-scoped resource types are excluded. The default value is empty.

类型

`array`

.spec.template.excludedNamespaceScopedResources[]

类型

`string`

.spec.template.excludedNamespaces

描述

ExcludedNamespaces contains a list of namespaces that are not included in the backup.

类型

`array`

.spec.template.excludedNamespaces[]

类型

`string`

.spec.template.excludedResources

描述

ExcludedResources is a slice of resource names that are not included in the backup.

类型

`array`

.spec.template.excludedResources[]

类型

`string`

.spec.template.hooks

描述

Hooks represent custom behaviors that should be executed at different phases of the backup.

类型

`object`

属性	类型	描述
`resources`	`array`	Resources are hooks that should be executed when backing up individual instances of a resource.

.spec.template.hooks.resources

描述

Resources are hooks that should be executed when backing up individual instances of a resource.

类型

`array`

.spec.template.hooks.resources[]

描述

BackupResourceHookSpec defines one or more BackupResourceHooks that should be executed based on the rules defined for namespaces, resources, and label selector.

类型

`object`

必填

`name`

属性	类型	描述
`excludedNamespaces`	`array`	ExcludedNamespaces specifies the namespaces to which this hook spec does not apply.
`excludedResources`	`array`	ExcludedResources specifies the resources to which this hook spec does not apply.
`includedNamespaces`	`array`	IncludedNamespaces specifies the namespaces to which this hook spec applies. If empty, it applies to all namespaces.
`includedResources`	`array`	IncludedResources specifies the resources to which this hook spec applies. If empty, it applies to all resources.
`labelSelector`	`object`	LabelSelector, if specified, filters the resources to which this hook spec applies.
`name`	`string`	Name is the name of this hook.
`post`	`array`	PostHooks is a list of BackupResourceHooks to execute after storing the item in the backup. These are executed after all "additional items" from item actions are processed.

属性	类型	描述
`pre`	`array`	PreHooks is a list of BackupResourceHooks to execute prior to storing the item in the backup. These are executed before any "additional items" from item actions are processed.

.spec.template.hooks.resources[].excludedNamespaces

描述

ExcludedNamespaces specifies the namespaces to which this hook spec does not apply.

类型

`array`

.spec.template.hooks.resources[].excludedNamespaces[]

类型

`string`

.spec.template.hooks.resources[].excludedResources

描述

ExcludedResources specifies the resources to which this hook spec does not apply.

类型

`array`

.spec.template.hooks.resources[].excludedResources[]

类型

`string`

.spec.template.hooks.resources[].includedNamespaces

描述

IncludedNamespaces specifies the namespaces to which this hook spec applies. If empty, it applies to all namespaces.

类型

`array`

.spec.template.hooks.resources[].includedNamespaces[]

类型

`string`

.spec.template.hooks.resources[].includedResources

描述

IncludedResources specifies the resources to which this hook spec applies. If empty, it applies to all resources.

类型

`array`

.spec.template.hooks.resources[].includedResources[]

类型

`string`

.spec.template.hooks.resources[].labelSelector

描述

LabelSelector, if specified, filters the resources to which this hook spec applies.

类型

`object`

属性	类型	描述
`matchExpressions`	`array`	matchExpressions is a list of label selector requirements. The requirements are ANDed.
`matchLabels`	`object`	matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

.spec.template.hooks.resources[].labelSelector.matchExpressions

描述

matchExpressions is a list of label selector requirements. The requirements are ANDed.

类型

`array`

.spec.template.hooks.resources[].labelSelector.matchExpressions[]

描述

A label selector requirement is a selector that contains values, a key, and an operator that relates the key and values.

类型

`object`

必填

`key` `operator`

属性	类型	描述
`key`	`string`	key is the label key that the selector applies to.
`operator`	`string`	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.
`values`	`array`	values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

.spec.template.hooks.resources[].labelSelector.matchExpressions[].values

描述

values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

类型

`array`

.spec.template.hooks.resources[].labelSelector.matchExpressions[].values[]

类型

`string`

.spec.template.hooks.resources[].labelSelector.matchLabels

描述

matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

类型

`object`

.spec.template.hooks.resources[].post

描述

PostHooks is a list of BackupResourceHooks to execute after storing the item in the backup. These are executed after all "additional items" from item actions are processed.

类型

`array`

.spec.template.hooks.resources[].post[]

描述

BackupResourceHook defines a hook for a resource.

类型

`object`

必填

`exec`

属性	类型	描述
`exec`	`object`	Exec defines an exec hook.

.spec.template.hooks.resources[].post[].exec

描述

Exec defines an exec hook.

类型

`object`

必填

`command`

属性	类型	描述
`command`	`array`	Command is the command and arguments to execute.
`container`	`string`	Container is the container in the pod where the command should be executed. If not specified, the pod's first container is used.
`onError`	`string`	OnError specifies how Velero should behave if it encounters an error executing this hook.
`timeout`	`string`	Timeout defines the maximum amount of time Velero should wait for the hook to complete before considering the execution a failure.

.spec.template.hooks.resources[].post[].exec.command

描述

Command is the command and arguments to execute.

类型

`array`

.spec.template.hooks.resources[].post[].exec.command[]

类型

`string`

.spec.template.hooks.resources[].pre

描述

PreHooks is a list of BackupResourceHooks to execute prior to storing the item in the backup. These are executed before any "additional items" from item actions are processed.

类型

`array`

.spec.template.hooks.resources[].pre[]

描述

BackupResourceHook defines a hook for a resource.

类型

`object`

必填

`exec`

属性	类型	描述
`exec`	`object`	Exec defines an exec hook.

.spec.template.hooks.resources[].pre[].exec

描述

Exec defines an exec hook.

类型

`object`

必填

`command`

属性	类型	描述
`command`	`array`	Command is the command and arguments to execute.
`container`	`string`	Container is the container in the pod where the command should be executed. If not specified, the pod's first container is used.
`onError`	`string`	OnError specifies how Velero should behave if it encounters an error executing this hook.
`timeout`	`string`	Timeout defines the maximum amount of time Velero should wait for the hook to complete before considering the execution a failure.

.spec.template.hooks.resources[].pre[].exec.command

描述

Command is the command and arguments to execute.

类型

`array`

.spec.template.hooks.resources[].pre[].exec.command[]

类型

`string`

.spec.template.includedClusterScopedResources

描述

IncludedClusterScopedResources is a slice of cluster-scoped resource type names to include in the backup. If set to "*", all cluster-scoped resource types are included. The default value is empty, which means only related cluster-scoped resources are included.

类型

`array`

.spec.template.includedClusterScopedResources[]

类型

`string`

.spec.template.includedNamespaceScopedResources

描述

IncludedNamespaceScopedResources is a slice of namespace-scoped resource type names to include in the backup. The default value is "*".

类型

`array`

.spec.template.includedNamespaceScopedResources[]

类型

`string`

.spec.template.includedNamespaces

描述

IncludedNamespaces is a slice of namespace names to include objects from. If empty, all namespaces are included.

类型

`array`

.spec.template.includedNamespaces[]

类型

`string`

.spec.template.includedResources

描述

IncludedResources is a slice of resource names to include in the backup. If empty, all resources are included.

类型

`array`

.spec.template.includedResources[]

类型

`string`

.spec.template.labelSelector

描述

LabelSelector is a metav1.LabelSelector to filter with when adding individual objects to the backup. If empty or nil, all objects are included. Optional.

类型

`object`

属性	类型	描述
`matchExpressions`	`array`	matchExpressions is a list of label selector requirements. The requirements are ANDed.
`matchLabels`	`object`	matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

.spec.template.labelSelector.matchExpressions

描述

matchExpressions is a list of label selector requirements. The requirements are ANDed.

类型

`array`

.spec.template.labelSelector.matchExpressions[]

描述

A label selector requirement is a selector that contains values, a key, and an operator that relates the key and values.

类型

`object`

必填

`key` `operator`

属性	类型	描述
`key`	`string`	key is the label key that the selector applies to.
`operator`	`string`	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.
`values`	`array`	values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

.spec.template.labelSelector.matchExpressions[].values

描述

values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

类型

`array`

.spec.template.labelSelector.matchExpressions[].values[]

类型

`string`

.spec.template.labelSelector.matchLabels

描述

matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

类型

`object`

.spec.template.orLabelSelectors

描述

OrLabelSelectors is list of metav1.LabelSelector to filter with when adding individual objects to the backup. If multiple provided they will be joined by the OR operator. LabelSelector as well as OrLabelSelectors cannot co-exist in backup request, only one of them can be used.

类型

`array`

.spec.template.orLabelSelectors[]

描述

A label selector is a label query over a set of resources. The result of matchLabels and matchExpressions are ANDed. An empty label selector matches all objects. A null label selector matches no objects.

类型

`object`

属性	类型	描述
`matchExpressions`	`array`	matchExpressions is a list of label selector requirements. The requirements are ANDed.
`matchLabels`	`object`	matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is

属性	类型	描述
		"key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

.spec.template.orLabelSelectors[].matchExpressions

描述

matchExpressions is a list of label selector requirements. The requirements are ANDed.

类型

`array`

.spec.template.orLabelSelectors[].matchExpressions[]

描述

A label selector requirement is a selector that contains values, a key, and an operator that relates the key and values.

类型

`object`

必填

`key` `operator`

属性	类型	描述
`key`	`string`	key is the label key that the selector applies to.
`operator`	`string`	operator represents a key's relationship to a set of values. Valid operators are In, NotIn, Exists and DoesNotExist.

属性	类型	描述
`values`	`array`	values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

.spec.template.orLabelSelectors[].matchExpressions[].values

描述

values is an array of string values. If the operator is In or NotIn, the values array must be non-empty. If the operator is Exists or DoesNotExist, the values array must be empty. This array is replaced during a strategic merge patch.

类型

`array`

.spec.template.orLabelSelectors[].matchExpressions[].values[]

类型

`string`

.spec.template.orLabelSelectors[].matchLabels

描述

matchLabels is a map of {key,value} pairs. A single {key,value} in the matchLabels map is equivalent to an element of matchExpressions, whose key field is "key", the operator is "In", and the values array contains only "value". The requirements are ANDed.

类型

`object`

.spec.template.orderedResources

描述

OrderedResources specifies the backup order of resources of specific Kind. The map key is the resource name and value is a list of object names separated by commas. Each resource name has format "namespace/objectname". For cluster resources, simply use "objectname".

类型

`object`

.spec.template.resourcePolicy

描述

ResourcePolicy specifies the referenced resource policies that backup should follow

类型

`object`

必填

`kind` `name`

属性	类型	描述
`apiGroup`	`string`	APIGroup is the group for the resource being referenced. If APIGroup is not specified, the specified Kind must be in the core API group. For any other third-party types, APIGroup is required.
`kind`	`string`	Kind is the type of resource being referenced
`name`	`string`	Name is the name of resource being referenced

.spec.template.uploaderConfig

描述

UploaderConfig specifies the configuration for the uploader.

类型

`object`

属性	类型	描述
`parallelFilesUpload`	`integer`	ParallelFilesUpload is the number of files parallel uploads to perform when using the uploader.

.spec.template.volumeSnapshotLocations

描述

VolumeSnapshotLocations is a list containing names of VolumeSnapshotLocations associated with this backup.

类型

`array`

.spec.template.volumeSnapshotLocations[]

类型

`string`

.status

描述

ScheduleStatus captures the current state of a Velero schedule

类型

`object`

属性	类型	描述
`lastBackup`	`string`	LastBackup is the last time a Backup was run for this Schedule schedule
`lastSkipped`	`string`	LastSkipped is the last time a Schedule was skipped
`phase`	`string`	Phase is the current phase of the Schedule
`validationErrors`	`array`	ValidationErrors is a slice of all validation errors (if applicable)

.status.validationErrors

描述

ValidationErrors is a slice of all validation errors (if applicable)

类型

`array`

.status.validationErrors[]

类型

`string`

API 端点

可用的 API 端点如下：

- `/apis/velero.io/v1/namespaces/{namespace}/schedules`
  - `DELETE`: delete collection of Schedule
  - `GET`: list objects of kind Schedule
  - `POST`: create a new Schedule
- `/apis/velero.io/v1/namespaces/{namespace}/schedules/{name}`
  - `DELETE`: delete the specified Schedule
  - `GET`: read the specified Schedule
  - `PATCH`: partially update the specified Schedule
  - `PUT`: replace the specified Schedule

/apis/velero.io/v1/namespaces/{namespace}/schedules

HTTP 方法

`DELETE`

描述

delete collection of Schedule

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

list objects of kind Schedule

HTTP 响应

HTTP 状态码	响应体
200 - OK	`ScheduleList` schema
401 - Unauthorized	Empty

HTTP 方法

`POST`

描述

create a new Schedule

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`Schedule` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Schedule` schema
201 - Created	`Schedule` schema
202 - Accepted	`Schedule` schema
401 - Unauthorized	Empty

/apis/velero.io/v1/namespaces/{namespace}/schedules/{name}

HTTP 方法

`DELETE`

描述

delete the specified Schedule

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
202 - Accepted	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

read the specified Schedule

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Schedule` schema
401 - Unauthorized	Empty

HTTP 方法

`PATCH`

描述

partially update the specified Schedule

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore:

参数	类型	描述
		This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Schedule` schema
401 - Unauthorized	Empty

HTTP 方法

`PUT`

描述

replace the specified Schedule

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

参数	类型	描述
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`Schedule` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Schedule` schema
201 - Created	`Schedule` schema
401 - Unauthorized	Empty

ServerStatusRequest [velero.io/v1]

描述

ServerStatusRequest is a request to access current status information about the Velero server.

类型

`object`

规格

属性	类型	描述
`apiVersion`	`string`	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources ↗
`kind`	`string`	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info:

属性	类型	描述
		https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds ↗
`metadata`	`ObjectMeta`	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
`spec`	`object`	ServerStatusRequestSpec is the specification for a ServerStatusRequest.
`status`	`object`	ServerStatusRequestStatus is the current status of a ServerStatusRequest.

.spec

描述

ServerStatusRequestSpec is the specification for a ServerStatusRequest.

类型

`object`

.status

描述

ServerStatusRequestStatus is the current status of a ServerStatusRequest.

类型

`object`

属性	类型	描述
`phase`	`string`	Phase is the current lifecycle phase of the ServerStatusRequest.
`plugins`	`array`	Plugins list information about the plugins running on the Velero server
`processedTimestamp`	`string`	ProcessedTimestamp is when the ServerStatusRequest was processed by the ServerStatusRequestController.
`serverVersion`	`string`	ServerVersion is the Velero server version.

.status.plugins

描述

Plugins list information about the plugins running on the Velero server

类型

`array`

.status.plugins[]

描述

PluginInfo contains attributes of a Velero plugin

类型

`object`

必填

`kind` `name`

属性	类型	描述
`kind`	`string`	
`name`	`string`	

API 端点

可用的 API 端点如下：

- `/apis/velero.io/v1/namespaces/{namespace}/serverstatusrequests`
  - `DELETE`: delete collection of ServerStatusRequest
  - `GET`: list objects of kind ServerStatusRequest
  - `POST`: create a new ServerStatusRequest
- `/apis/velero.io/v1/namespaces/{namespace}/serverstatusrequests/{name}`
  - `DELETE`: delete the specified ServerStatusRequest
  - `GET`: read the specified ServerStatusRequest
  - `PATCH`: partially update the specified ServerStatusRequest
  - `PUT`: replace the specified ServerStatusRequest

/apis/velero.io/v1/namespaces/{namespace}/serverstatusrequests

HTTP 方法

`DELETE`

描述

delete collection of ServerStatusRequest

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

list objects of kind ServerStatusRequest

HTTP 响应

HTTP 状态码	响应体
200 - OK	`ServerStatusRequestList` schema
401 - Unauthorized	Empty

HTTP 方法

`POST`

描述

create a new ServerStatusRequest

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last

参数	类型	描述
		duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`ServerStatusRequest` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`ServerStatusRequest` schema
201 - Created	`ServerStatusRequest` schema
202 - Accepted	`ServerStatusRequest` schema
401 - Unauthorized	Empty

/apis/velero.io/v1/namespaces/{namespace}/serverstatusrequests/{name}

HTTP 方法

`DELETE`

描述

delete the specified ServerStatusRequest

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
202 - Accepted	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

read the specified ServerStatusRequest

HTTP 响应

HTTP 状态码	响应体
200 - OK	`ServerStatusRequest` schema
401 - Unauthorized	Empty

HTTP 方法

`PATCH`

描述

partially update the specified ServerStatusRequest

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

HTTP 响应

HTTP 状态码	响应体
200 - OK	`ServerStatusRequest` schema
401 - Unauthorized	Empty

HTTP 方法

`PUT`

描述

replace the specified ServerStatusRequest

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`ServerStatusRequest` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`ServerStatusRequest` schema
201 - Created	`ServerStatusRequest` schema
401 - Unauthorized	Empty

VolumeSnapshotLocation [velero.io/v1]

描述

VolumeSnapshotLocation is a location where Velero stores volume snapshots.

类型

`object`

规格

属性	类型	描述
`apiVersion`	`string`	APIVersion defines the versioned schema of this representation of an object. Servers should convert recognized schemas to the latest internal value, and may reject unrecognized values. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#resources ↗

属性	类型	描述
`kind`	`string`	Kind is a string value representing the REST resource this object represents. Servers may infer this from the endpoint the client submits requests to. Cannot be updated. In CamelCase. More info: https://git.k8s.io/community/contributors/devel/sig-architecture/api-conventions.md#types-kinds ↗
`metadata`	`ObjectMeta`	ObjectMeta is metadata that all persisted resources must have, which includes all objects users must create.
`spec`	`object`	VolumeSnapshotLocationSpec defines the specification for a Velero VolumeSnapshotLocation.
`status`	`object`	VolumeSnapshotLocationStatus describes the current status of a Velero VolumeSnapshotLocation.

.spec

描述

VolumeSnapshotLocationSpec defines the specification for a Velero VolumeSnapshotLocation.

类型

`object`

必填

`provider`

属性	类型	描述
`config`	`object`	Config is for provider-specific configuration fields.
`credential`	`object`	Credential contains the credential information intended to be used with this location
`provider`	`string`	Provider is the provider of the volume storage.

.spec.config

描述

Config is for provider-specific configuration fields.

类型

`object`

.spec.credential

描述

Credential contains the credential information intended to be used with this location

类型

`object`

必填

`key`

属性	类型	描述
`key`	`string`	The key of the secret to select from. Must be a valid secret key.
`name`	`string`	Name of the referent. More info: https://kubernetes.io/docs/concepts/overview/working-with-objects/names/#names ↗ TODO: Add other useful fields. apiVersion, kind, uid?
`optional`	`boolean`	Specify whether the Secret or its key must be defined

.status

描述

VolumeSnapshotLocationStatus describes the current status of a Velero VolumeSnapshotLocation.

类型

`object`

属性	类型	描述
`phase`	`string`	VolumeSnapshotLocationPhase is the lifecycle phase of a Velero VolumeSnapshotLocation.

API 端点

可用的 API 端点如下：

- `/apis/velero.io/v1/namespaces/{namespace}/volumesnapshotlocations`
  - `DELETE`: delete collection of VolumeSnapshotLocation
  - `GET`: list objects of kind VolumeSnapshotLocation
  - `POST`: create a new VolumeSnapshotLocation
- `/apis/velero.io/v1/namespaces/{namespace}/volumesnapshotlocations/{name}`
  - `DELETE`: delete the specified VolumeSnapshotLocation
  - `GET`: read the specified VolumeSnapshotLocation
  - `PATCH`: partially update the specified VolumeSnapshotLocation
  - `PUT`: replace the specified VolumeSnapshotLocation

/apis/velero.io/v1/namespaces/{namespace}/volumesnapshotlocations

HTTP 方法

`DELETE`

描述

delete collection of VolumeSnapshotLocation

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

list objects of kind VolumeSnapshotLocation

HTTP 响应

HTTP 状态码	响应体
200 - OK	`VolumeSnapshotLocationList` schema
401 - Unauthorized	Empty

HTTP 方法

`POST`

描述

create a new VolumeSnapshotLocation

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`VolumeSnapshotLocation` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`VolumeSnapshotLocation` schema
201 - Created	`VolumeSnapshotLocation` schema
202 - Accepted	`VolumeSnapshotLocation` schema
401 - Unauthorized	Empty

/apis/velero.io/v1/namespaces/{namespace}/volumesnapshotlocations/{name}

HTTP 方法

`DELETE`

描述

delete the specified VolumeSnapshotLocation

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

HTTP 响应

HTTP 状态码	响应体
200 - OK	`Status` schema
202 - Accepted	`Status` schema
401 - Unauthorized	Empty

HTTP 方法

`GET`

描述

read the specified VolumeSnapshotLocation

HTTP 响应

HTTP 状态码	响应体
200 - OK	`VolumeSnapshotLocation` schema
401 - Unauthorized	Empty

HTTP 方法

`PATCH`

描述

partially update the specified VolumeSnapshotLocation

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore:

参数	类型	描述
		This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

HTTP 响应

HTTP 状态码	响应体
200 - OK	`VolumeSnapshotLocation` schema
401 - Unauthorized	Empty

HTTP 方法

`PUT`

描述

replace the specified VolumeSnapshotLocation

查询参数

参数	类型	描述
`dryRun`	`string`	When present, indicates that modifications should not be persisted. An invalid or unrecognized dryRun directive will result in an error response and no further processing of the request. Valid values are: - All: all dry run stages will be processed

参数	类型	描述
`fieldValidation`	`string`	fieldValidation instructs the server on how to handle objects in the request (POST/PUT/PATCH) containing unknown or duplicate fields. Valid values are: - Ignore: This will ignore any unknown fields that are silently dropped from the object, and will ignore all but the last duplicate field that the decoder encounters. This is the default behavior prior to v1.23. - Warn: This will send a warning via the standard warning response header for each unknown field that is dropped from the object, and for each duplicate field that is encountered. The request will still succeed if there are no other errors, and will only persist the last of any duplicate fields. This is the default in v1.23+ - Strict: This will fail the request with a BadRequest error if any unknown fields would be dropped from the object, or if any duplicate fields are present. The error returned from the server will contain all unknown and duplicate fields encountered.

请求体参数

参数	类型	描述
`body`	`VolumeSnapshotLocation` schema	`application/json` formatted

HTTP 响应

HTTP 状态码	响应体
200 - OK	`VolumeSnapshotLocation` schema
201 - Created	`VolumeSnapshotLocation` schema
401 - Unauthorized	Empty