

NetBackup Self Service API Reference

API version 6

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Authentication

post /auth/token

OAuth2 authentication passing in credentials and returning an access token.

Implementation Notes

Call this method to obtain an access_token that is required for all other API methods. The API returns an OAuth Token response containing an access_token and refresh_token. The API supports three ways to obtain an access_token, driven by the value of the 'grant_type':

password	Supply the username and password of the user to login
nss.accesskey	Supply an accesskeyid and secretaccesskey associated with a user to login
refresh_token	when an access_token is generated a refresh_token is also returned. This is a one-time token that can be used to generate another access_token and refresh_token without access to the original credentials.

The access_token should be passed to all other methods in an 'Authentication' header in the form 'Bearer access_token'

Activities

get /v6/activities

Gets activities using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings.

Required Role: MSP or Tenant Admin or Tenant User

get /v6/activities/{id}

Gets a single activity.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

get /v6/activities/{id}/audits

Gets all the audits for a single activity.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

get /v6/activities/{id}/jobs

Gets all the tracking jobs for a single activity.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

Backup Catalog

[get /v6/backupimages/{id}](#)

Gets a single Backup Image.

Implementation Notes

Backup image may be expired or not expired.

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/backupimages](#)

Gets Backup Images using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings.

Filter by CatalogName example:	https://.../Api/v6/backupimages?\$filter=CatalogName eq 'Machine1'
Filter by BackupMonth, with paging example	https://.../Api/v6/backupimages?\$filter=BackupMonth eq 6&\$top=10&\$skip=0&\$count=true

Required Role: MSP

[post /v6/backupimages/{id}/files/search](#)

Searches for files or folders within a Backup Image.

Implementation Notes

By default, only the search text is required, and it's possible to use wildcards for searching using the asterix.

The optional parameters will default to the following if not specified:

- MaximumResults: 50
- MinimumSizeKilobytes: any size
- MaximumSizeKilobytes: any size
- SearchType: 'both'. Allowed values are 'files', 'folders' or 'both'.

Required Role: MSP or Tenant Admin or Tenant User

[post /v6/backupimages/{id}/files/browse](#)

Browse a folder within a Backup Image.

Implementation Notes

You can browse using either Windows or Unix formatted paths. When browsing using a Windows path please ensure backslashes are escaped, e.g. "C:\\MyFolder"

Required Role: MSP or Tenant Admin or Tenant User

Charge Rates

`delete /v6/chargerates/system`

Delete the system charge rates.

Implementation Notes

Required Role: MSP

`get /v6/chargerates/system`

Gets all the system charge rates.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

`put /v6/chargerates/system`

Sets all of the charge rates for the system.

Implementation Notes

Required Role: MSP

`delete /v6/chargerates/tenant/{id}`

Delete all tenant charge rate records.

Implementation Notes

Required Role: MSP

`get /v6/chargerates/tenant/{id}`

Gets all the charge rates for the specified tenant id.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

`put /v6/chargerates/tenant/{id}`

Sets all of the charge rates for a tenant.

Implementation Notes

Required Role: MSP

`get /v6/chargerates/overriddentenantids`

Returns the id's of tenants which have overridden charge rates.

Implementation Notes

Required Role: MSP

Machines

[get /v6/machines](#)

Gets machines using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings.

Filter by CatalogNames containing 'win' example	<code>https://.../Api/v6/machines?\$filter=contains(CatalogName, 'win')</code>
Filter by CustomerCode, with paging example	<code>https://.../Api/v6/machines?\$filter=CustomerCode eq 'Acme'&\$top=10&\$skip=0&\$count=true</code>

Required Role: MSP or Tenant Admin or Tenant User

[post /v6/machines](#)

Creates a new machine.

Implementation Notes

Required Role: MSP

[put /v6/machines](#)

Updates an existing machine.

Implementation Notes

This is a full update. Values must be supplied for all properties.

Required Role: MSP

[delete /v6/machines/{id}](#)

Deletes a machine.

Implementation Notes

Protection must be removed before calling this method. 400 (Bad Request) will be returned if the machine is protected.

Required Role: MSP

[get /v6/machines/{id}](#)

Gets a single machine.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/machines/{id}/backupimages](#)

Gets the backup images for the machine.

Implementation Notes

Backup images that have expired will not be returned.

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/machines/{id}/catalognamehistories](#)

Gets the historical catalog names for the machine.

Implementation Notes

The catalog name is the name of the machine used to get backups from NetBackup. If the machine name changes the backups for the machine will not be found unless the historical catalog name is added.

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/machines/{id}/utilization/days](#)

Gets the utilization days for the machine.

Implementation Notes

Warning: Deprecated

This method will be removed in a future version.

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/machines/{id}/utilization/months](#)

Gets the utilization months for the machine.

Implementation Notes

The CostPerGb property is the tenant level cost, which will not be correct if the system has protection level cost overrides. If the system has protection level cost overrides you will have to use [/v6/machines/{id}/utilization/protectionlevelmonths](#) to understand the cost breakdown.

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/machines/{id}/utilization/protectionlevelmonths](#)

Gets the protection level utilization months for the machine.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/machines/{id}/users](#)

Gets the users that have visibility of the machine.

Implementation Notes

The visibility of the machine is only restricted if the Machine.IsVisibleToAllUsers property is set to false.

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/machines/{id}/metadata](#)

Gets the metadata for the machine.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

[put /v6/machines/{id}/metadata](#)

Replaces an existing machines metadata.

Implementation Notes

Required Role: MSP or Tenant Admin

[post /v6/machines/{id}/protect](#)

Protect a machine with a protection level.

Implementation Notes

This is an asynchronous method. A url will be returned in the location header which can be used to monitor the activity.

'Protection Level Id' is required.

'Paths' is required if a template policy in the protection level supports file protect.

'Paths' should contain a list of files and folders to be protected.

Required Role: MSP or Tenant Admin or Tenant User

[post /v6/machines/{id}/unprotect](#)

Removes the protection level for the machine.

Implementation Notes

This is an asynchronous method. A url will be returned in the location header which can be used to monitor the activity.

Required Role: MSP or Tenant Admin or Tenant User

[post /v6/machines/{id}/backup](#)

Backup a machine with a backup now level.

Implementation Notes

This is an asynchronous method. A url will be returned in the location header which can be used to monitor the activity.

Protection Level Id is required.

Paths is required if a template policy in the protection level supports file protect.

Paths should contain a list of files and folders to be protected.

A Retention Level can optionally be specified.

A Storage Lifecycle Policy Name can optionally be specified. This will override Retention Level.

Required Role: MSP or Tenant Admin or Tenant User

[post /v6/machines/{id}/removepolicy](#)

Deletes a machine policy.

Implementation Notes

This is an asynchronous method. A url will be returned in the location header which can be used to monitor the activity.

Required Role: MSP or Tenant Admin or Tenant User

[post /v6/machines/{id}/restorevm/vcloud](#)

Restores a vCloud machine to its original location.

Implementation Notes

This is an asynchronous method. A URL will be returned in the location header which can be used to monitor the activity.

Required Role: MSP or Tenant Admin or Tenant User

[post /v6/machines/{id}/restorevm/vmware](#)

Restores a VMware machine to its original location.

Implementation Notes

This is an asynchronous method. A url will be returned in the location header which can be used to monitor the activity.

Required Role: MSP or Tenant Admin or Tenant User

[post /v6/machines/{id}/restorevm/hyperv](#)

Restores a HyperV machine to its original location.

Implementation Notes

This is an asynchronous method. A url will be returned in the location header which can be used to monitor the activity.

Required Role: MSP or Tenant Admin or Tenant User

[post /v6/machines/{id}/restorefiles](#)

Restores files/folders to a machine.

Implementation Notes

You can restore using either Windows or Unix formatted paths. Please ensure that when restoring folders, Window paths always end with a 'backslash' and Unix paths always end with a 'forward slash'.

If you are restoring to the original location this will overwrite any files/folders with the same path. If restoring to an alternate location, a folder will be created named "RestoredFiles-a123", where [123] represents the activityId. This folder will appear inside a restored folder and at the same level for restored files.

This is an asynchronous method. A url will be returned in the location header which can be used to monitor the activity.

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/machines/{id}/protected](#)

Gets data about the protection status of the machine.

Implementation Notes

The protected endpoint returns a data structure which contains protection status information. The Protected data structure contains a list of ProtectedLevels and a list of UnmatchedPolicies.

When a ProtectionLevel is applied to a machine, the ProtectionLevel specifies that the machine should be included in one or more NetBackup policies. The NetBackup policy is on the master server responsible for performing the scheduled backups of the machine. A ProtectedLevel object captures this information, it shows the ProtectionLevel that is applied to the machine and the list of NetBackup Policies which have been found for it on the master server. The policy data returned also

contains the TemplatePolicy the policy was created from and whether the policy is within threshold. To count as a ProtectedLevel the policy information must match the specification of the ProtectionLevel exactly. So for example if the ProtectionLevel specifies that the machine should be included in 3 policies with particular policy names, then to count as a protected level the machine must be found in all three correctly named policies on the master server.

The IsWithinThreshold property in the policy, lets you check that backups are actually happening for the machine. Let's say the machine is meant to be backed up every 24 hours, and you want the system to warn you if the backup has not happened. In the TemplatePolicy you set WarningThresholdHours=36, (you allow a bit of extra time for long running backups to complete and the results to get reported back into the system). Then the IsWithinThreshold property will return true if a backup has happened in the last 36 hours and false otherwise.

The UnmatchedPolicies are the policies on the master server which NSS does not understand. That is they are policies which cannot be matched to any of the protection levels. In normal operation of the system the unmatched policy list should be blank. The IsWithinThreshold and TemplatePolicy properties will always be null for an unmatched policy.

In vCloud Director it is possible to apply protection at the vApp or vDC level, in addition to applying protection directly to the machine. If the machine is a VM in vCloud Director, then this protected endpoint will also report the protection status for vApp and vDC protection which covers the machine. The EntityType and EntityId properties are used to identify whether the protection is on the machine, vApp or vDC.

Required Role: MSP or Tenant Admin or Tenant User

[post /v6/machines/{id}/syncnetbackupdata](#)

Flags a machine to have its NetBackup data synced back to NetBackup Self Service.

Implementation Notes

The Machine.SyncNetBackupData property will be true until the sync has been run by a scheduled task. This syncs all NetBackup for the machine that NetBackup Self Service requires.

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/machines/{id}/protection/levels](#)

Gets the protection levels that can be used to protect the machine.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/machines/{id}/protection/levels/{protectionLevelId}](#)

Gets a protection level that can be used to protect the machine.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/machineusers](#)

Gets machine users using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings.

Filter by UserId example: [https://.../Api/v6/machineusers?\\$filter=UserId eq 'UserId1'](https://.../Api/v6/machineusers?$filter=UserId eq 'UserId1')

Required Role: MSP or Tenant Admin or Tenant User

[post /v6/machineusers](#)

Creates a new machine user.

Implementation Notes

The visibility of the machine is only restricted if the Machine.IsVisibleToAllUsers property is set to false.

Required Role: MSP or Tenant Admin

[delete /v6/machineusers/{id}](#)

Deletes a machine user.

Implementation Notes

Required Role: MSP or Tenant Admin

[get /v6/machineusers/{id}](#)

Gets a single machine user.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/machinemetadata](#)

Gets machine metadata using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings

Filter by Key example: [https://.../Api/v6/machinemetadata?\\$filter=Key eq 'Key1'](https://.../Api/v6/machinemetadata?$filter=Key eq 'Key1')

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/machinecatalognamehistories](#)

Gets machine catalog name histories using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings. Filter by MachineId example:

[https://.../Api/v6/machinecatalognamehistories?\\$filter=MachineId eq 1](https://.../Api/v6/machinecatalognamehistories?$filter=MachineId eq 1)

Required Role: MSP or Tenant Admin or Tenant User

[post /v6/machinecatalognamehistories](#)

Creates a new machine catalog name history.

Implementation Notes

The catalog name is the name of the machine used to get backups from NetBackup. If the machine name changes the backups for the machine will not be found unless the historical catalog name is added.

Required Role: MSP

[delete /v6/machinecatalognamehistories/{id}](#)

Deletes a machine catalog name history.

Implementation Notes

Required Role: MSP

[get /v6/machinecatalognamehistories/{id}](#)

Gets a single machine catalog name history.

Implementation Notes

Required Role: MSP

Protection Types

[get /v6/protection/templatepolicies](#)

Gets protection template policies using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings. Filter by PolicyTypeId example:

[https://.../Api/v6/protection/templatepolicies?\\$filter=PolicyTypeId](https://.../Api/v6/protection/templatepolicies?$filter=PolicyTypeId) e.g. 40

Required Role: MSP

[post /v6/protection/templatepolicies](#)

Creates a new protection template policy.

Implementation Notes

Required Role: MSP

[put /v6/protection/templatepolicies](#)

Updates an existing protection template policy.

Implementation Notes

This is a full update. Values must be supplied for all properties.

Required Role: MSP

[delete /v6/protection/templatepolicies/{id}](#)

Deletes a protection template policy.

Implementation Notes

Required Role: MSP

[get /v6/protection/templatepolicies/{id}](#)

Gets a single protection template policy.

Implementation Notes

Required Role: MSP

[get /v6/protection/levels](#)

Gets protection levels using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings.

Filter by IsVisible example: [https://.../Api/v6/protection/levels?\\$filter=IsVisible](https://.../Api/v6/protection/levels?$filter=IsVisible) e.g. true

Required Role: MSP

[post /v6/protection/levels](#)

Creates a new protection level.

Implementation Notes

Required Role: MSP

[put /v6/protection/levels](#)

Updates an existing protection level.

Implementation Notes

This is a full update. Values must be supplied for all properties.

Required Role: MSP

[delete /v6/protection/levels/{id}](#)

Deletes a protection level and associated protection template policies.

Implementation Notes

Required Role: MSP

[get /v6/protection/levels/{id}](#)

Gets a single protection level.

Implementation Notes

Required Role: MSP

[get /v6/protection/levels/{id}/templatepolicies](#)

Gets the protection template policies for the protection level.

Implementation Notes

Required Role: MSP

[get /v6/protection/types](#)

Gets protection types using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings.

Filter by Name example: [https://.../Api/v6/protection/types?\\$filter=Name eq 'vCloud'&\\$filter=Code eq 'SQL'](https://.../Api/v6/protection/types?$filter=Name eq 'vCloud'&$filter=Code eq 'SQL')

Required Role: MSP

[post /v6/protection/types](#)

Creates a new protection type.

Implementation Notes

Required Role: MSP

[put /v6/protection/types](#)

Updates an existing protection type.

Implementation Notes

This is a full update. Values must be supplied for all properties.

Required Role: MSP

[delete /v6/protection/types/{id}](#)

Deletes a protection type and associated protection levels and protection template policies.

Implementation Notes

400 (Bad Request) will be returned if the protection type is in use (by a machine or vCloud container for example).

Required Role: MSP

[get /v6/protection/types/{id}](#)

Gets a single protection type.

Implementation Notes

Required Role: MSP

[get /v6/protection/types/{id}/levels](#)

Gets the protection levels for the protection type.

Implementation Notes

Required Role: MSP

System

`get /v6/system/user`

Gets the logged in user.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

Tenants

`get /v6/tenants/{id}/vcloud/vorgs`

Gets the vOrgs for a given Tenant Id.

Implementation Notes

Required Role: MSP or Tenant Admin

Traffic Lights

`get /v6/trafficlights/tenants`

Gets traffic lights summaries using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings.

Filter by Tenants with Red status example:

`https://.../Api/v6/trafficlights/tenants?$filter=RedCount gt 0`

Required Role: MSP

`get /v6/trafficlights/tenants/{id}`

Gets counts of the total number of machines at each traffic light status for the tenant.

Implementation Notes

Required Role: MSP

`get /v6/trafficlights/system`

Gets counts of the total number of machines at each traffic light status across all tenants.

Implementation Notes

Required Role: MSP

`get /v6/trafficlights/self`

Gets counts of the total number of machines at each traffic light status.

Implementation Notes

If you are logged in as a tenant this method returns the traffic light counts for your tenant. If you are logged in as an MSP this method returns traffic light counts for the entire system.

Required Role: MSP or Tenant Admin or Tenant User

Utilization

[get /v6/utilization/systemmonths](#)

Gets System Utilization Months using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings.

Filter by Year example: <https://.../Api/v6/utilization/systemmonths?filter=Year> e.g. 2016

Required Role: MSP

[get /v6/utilization/systemmonths/{id}](#)

Gets a single System Utilization Month.

Implementation Notes

Required Role: MSP

[get /v6/utilization/tenantmonths](#)

Gets Tenant Utilization Months using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings.

Filter by Year example: <https://.../Api/v6/utilization/tenantmonths?filter=Year> e.g. 2016

Required Role: MSP or Tenant Admin

[get /v6/utilization/tenantmonths/{id}](#)

Gets a single Tenant Utilization Month.

Implementation Notes

Required Role: MSP or Tenant Admin

[get /v6/utilization/machinmonths](#)

Gets Machine Utilization Months using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings.

Filter by Year example: [https://.../Api/v6/utilization/machinmonths?\\$filter=Year](https://.../Api/v6/utilization/machinmonths?$filter=Year) eq 2016

Required Role: MSP or Tenant Admin

[get /v6/utilization/machinmonths/{id}](#)

Gets a single Machine Utilization Month.

Implementation Notes

Required Role: MSP or Tenant Admin

[get /v6/utilization/machinedays](#)

Gets Machine Utilization Days using OData query syntax.

Implementation Notes

Warning: Deprecated

This method will be removed in a future version.

Append the OData query as a collection of query strings.

Filter by Year example: [https://.../Api/v6/utilization/machinedays?\\$filter=Year](https://.../Api/v6/utilization/machinedays?$filter=Year) e.g. 2016

Required Role: MSP or Tenant Admin

[get /v6/utilization/machinedays/{id}](#)

Gets a single Machine Utilization Day.

Implementation Notes

Warning: Deprecated

This method will be removed in a future version.

Required Role: MSP or Tenant Admin

[get /v6/utilization/systemprotectionlevelmonths](#)

Gets System Protection Level Utilization Months using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings

Filter by Year example:

[https://.../Api/v6/utilization/systemprotectionlevelmonths?\\$filter=Year](https://.../Api/v6/utilization/systemprotectionlevelmonths?$filter=Year) e.g. 2016

Required Role: MSP

[get /v6/utilization/systemprotectionlevelmonths/{id}](#)

Gets a single System Protection Level Utilization Month

Implementation Notes

Required Role: MSP

[get /v6/utilization/tenantprotectionlevelmonths](#)

Gets Tenant Protection Level Utilization Months using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings

Filter by Year example:

[https://.../Api/v6/utilization/tenantprotectionlevelmonths?\\$filter=Year](https://.../Api/v6/utilization/tenantprotectionlevelmonths?$filter=Year) e.g. 2016

Required Role: MSP or Tenant Admin

[get /v6/utilization/tenantprotectionlevelmonths/{id}](#)

Gets a single Tenant Protection Level Utilization Month

Implementation Notes

Required Role: MSP or Tenant Admin

[get /v6/utilization/machineprotectionlevelmonths](#)

Gets Machine Protection Level Utilization Months using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings

Filter by Year example:

[https://.../Api/v6/utilization/machineprotectionlevelmonths?\\$filter=Year e.g. 2016](https://.../Api/v6/utilization/machineprotectionlevelmonths?$filter=Year e.g. 2016)

Required Role: MSP or Tenant Admin

[get /v6/utilization/machineprotectionlevelmonths/{id}](#)

Gets a single Machine Protection Level Utilization Month

Implementation Notes

Required Role: MSP or Tenant Admin

vCloud Director

[get /v6/vcloud/vdcs](#)

Gets vDCs using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings.

Filter by Name example: [https://.../Api/v6/vcloud/vdcs?\\$filter=Name e.g. 'Acme'](https://.../Api/v6/vcloud/vdcs?$filter=Name e.g. 'Acme')

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/vcloud/vdcs/{id}](#)

Gets a single vDC.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/vcloud/vdcs/{id}/vapps](#)

Gets the vApps associated to a vDC.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

[post /v6/vcloud/vdcs/{id}/backup](#)

Backup a vDC with a backup now level.

Implementation Notes

This is an asynchronous method. A url will be returned in the location header which can be used to monitor the activity.

Protection Level Id is required.

Paths is required if a template policy in the protection level supports file protect.

Paths should contain a list of files and folders to be protected.

A Retention Level can optionally be specified.

A Storage Lifecycle Policy Name can optionally be specified. This will override Retention Level.

Required Role: MSP or Tenant Admin or Tenant User

[post /v6/vcloud/vdcs/{id}/protect](#)

Protect a vDC with a protection level.

Implementation Notes

This is an asynchronous method. A URL will be returned in the location header which can be used to monitor the activity.

Required Role: MSP or Tenant Admin or Tenant User

[post /v6/vcloud/vdcs/{id}/unprotect](#)

Removes the protection level for the vDC.

Implementation Notes

This is an asynchronous method. A URL will be returned in the location header which can be used to monitor the activity.

Required Role: MSP or Tenant Admin or Tenant User

[post /v6/vcloud/vdcs/{id}/removepolicy](#)

Deletes a vDC's policy.

Implementation Notes

This is an asynchronous method. A URL will be returned in the location header which can be used to monitor the activity.

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/vcloud/vdcs/{id}/protection/levels](#)

Gets the protection levels that can be used to protect the vDC.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/vcloud/vdcs/{id}/protection/levels/{protectionLevelId}](#)

Gets a protection level that can be used to protect the vDC.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/vcloud/vdcs/{id}/protected](#)

Gets data about the protection status of the vDC.

Implementation Notes

The protected endpoint returns a data structure which contains protection status information. The Protected data structure contains a list of ProtectedLevels and a list of UnmatchedPolicies.

When a ProtectionLevel is applied to a vDC, the ProtectionLevel specifies that the vDC should be included in one or more NetBackup policies. The NetBackup policy is the thing on the master server responsible for performing the scheduled backups. A ProtectedLevel object captures this information, it shows the ProtectionLevel that is applied to the vDC and the list of NetBackup Policies which have been found for it on the master server. To count as a ProtectedLevel the policy information must match the specification of the ProtectionLevel exactly. So for example if the

ProtectionLevel specifies that the vDC should be included in 3 policies with particular policy names, then to count as a protected level the vDC must be found in all three correctly named policies on the master server. The IsWithinThreshold property in the policy will always be null for a vDC; its value is only set if you get protected information for a machine.

The UnmatchedPolicies are the policies on the master server which NSS does not understand. That is they are policies which cannot be matched to any of the protection levels. In normal operation of the system the unmatched policy list should be blank. The IsWithinTreshold and TemplatePolicy properties will always be null for an unmatched policy.

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/vcloud/vorgs](#)

Gets vOrgs using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings.

Filter by Location containing 'MyLocation' example:	https://.../Api/v6/vcloud/vorgs?\$filter=contains(Location, 'MyLocation')
Filter by ImportSource, with paging example:	https://.../Api/v6/vcloud/vorgs?\$filter=ImportSource e.q. 'MyImportSource'&\$top=10&\$skip=0&\$count=true

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/vcloud/vdcs/{id}/metadata](#)

Gets the metadata for the vDC.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

[put /v6/vcloud/vdcs/{id}/metadata](#)

Replaces an existing vDCs metadata.

Implementation Notes

Required Role: MSP or Tenant Admin

[get /v6/vcloud/vorgs](#)

Gets vOrgs using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings.

Filter by Location containing 'MyLocation' example:
[https://.../Api/v6/vcloud/vorgs?\\$filter=contains\(Location, 'MyLocation'\)](https://.../Api/v6/vcloud/vorgs?$filter=contains(Location, 'MyLocation'))

Filter by ImportSource, with paging example:
[https://.../Api/v6/vcloud/vorgs?\\$filter=ImportSource eq 'MyImportSource'&\\$top=10&\\$skip=0&\\$count=true](https://.../Api/v6/vcloud/vorgs?$filter=ImportSource eq 'MyImportSource'&$top=10&$skip=0&$count=true)

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/vcloud/vorgs/{id}](#)

Gets a single vOrg.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/vcloud/vorgs/{id}/vdc](#)

Gets the vDCs associated to a vOrg.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/vcloud/vapps](#)

Gets vApps using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings.

Filter by Name example: [https://.../Api/v6/vcloud/vapps?\\$filter=Name](https://.../Api/v6/vcloud/vapps?$filter=Name) e.q. 'Acme'

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/vcloud/vapps/{id}](#)

Gets a single vApp.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/vcloud/vapps/{id}/machines](#)

Gets the machines associated to a vApp.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/vcloud/vapps/{id}/protected](#)

Gets data about the protection status of the vapp.

Implementation Notes

The protected endpoint returns a data structure which contains protection status information. The Protected data structure contains a list of ProtectedLevels and a list of UnmatchedPolicies. When a ProtectionLevel is applied to a vApp, the ProtectionLevel specifies that the vApp should be included in one or more NetBackup policies. The NetBackup policy is the thing on the master server responsible for performing the scheduled backups. A ProtectedLevel object captures this information, it shows the ProtectionLevel that is applied to the vApp and the list of NetBackup Policies which have been found for it on the master server. To count as a ProtectedLevel the policy information must match the specification of the ProtectionLevel exactly. So for example if the ProtectionLevel specifies that the vApp should be included in 3 policies with particular policy names, then to count as a protected level the vApp must be found in all three correctly named policies on the master server. The IsWithinThreshold property in the policy will always be null for a vApp; its value is only set if you get protected information for a machine.

The UnmatchedPolicies are the policies on the master server which NSS does not understand. That is they are policies which cannot be matched to any of the protection levels. In normal operation of the system the unmatched policy list should be blank. The IsWithinTreshold and TemplatePolicy properties will always be null for an unmatched policy.

In vCloud Director it is possible to apply protection at the VM, vApp or vDC level. This endpoint will report protection status information for the vDC which covers this vApp. The EntityType and EntityId properties are used to identify whether the protection is on the machine, vApp or vDC.

Required Role: MSP or Tenant Admin or Tenant User

[post /v6/vcloud/vapps/{id}/protect](#)

Protect a vApp with a protection level.

Implementation Notes

This is an asynchronous method. A URL will be returned in the location header which can be used to monitor the activity.

Required Role: MSP or Tenant Admin or Tenant User

[post /v6/vcloud/vapps/{id}/backup](#)

Backup a vApp with a backup now level.

Implementation Notes

This is an asynchronous method. A URL will be returned in the location header which can be used to monitor the activity.

Protection Level Id is required.

Paths is required if a template policy in the protection level supports file protect.

Paths should contain a list of files and folders to be protected.

A Retention Level can optionally be specified.

A Storage Lifecycle Policy Name can optionally be specified. This will override Retention Level.

Required Role: MSP or Tenant Admin or Tenant User

[post /v6/vcloud/vapps/{id}/unprotect](#)

Removes the protection level for the vApp.

Implementation Notes

This is an asynchronous method. A URL will be returned in the location header which can be used to monitor the activity.

Required Role: MSP or Tenant Admin or Tenant User

[post /v6/vcloud/vapps/{id}/removepolicy](#)

Deletes a vApp's policy.

Implementation Notes

This is an asynchronous method. A URL will be returned in the location header which can be used to monitor the activity.

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/vcloud/vapps/{id}/protection/levels](#)

Gets the protection levels that can be used to protect the vApp.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/vcloud/vapps/{id}/protection/levels/{protectionLevelId}](#)

Gets a protection level that can be used to protect the vApp.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/vcloud/vapps/{id}/metadata](#)

Gets the metadata for the vApp.

Implementation Notes

Required Role: MSP or Tenant Admin or Tenant User

[put /v6/vcloud/vapps/{id}/metadata](#)

Replaces an existing vApps metadata.

Implementation Notes

This is a full update. Values must be supplied for all properties. Performs inserts, updates and deletes.

Required Role: MSP or Tenant Admin

[get /v6/vcloud/vdcsmetadata](#)

Gets Vdcs metadata using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings

Filter by Key example:

[https://.../Api/v6/vcloud/vdcsmetadata?\\$filter=Key e.q. 'Key1'](https://.../Api/v6/vcloud/vdcsmetadata?$filter=Key e.q. 'Key1')

Required Role: MSP or Tenant Admin or Tenant User

[get /v6/vcloud/vappsmetadata](#)

Gets vApps metadata using OData query syntax.

Implementation Notes

Append the OData query as a collection of query strings

Filter by Key example:

[https://.../Api/v6/vcloud/vappsmetadata?\\$filter=Key e.q. 'Key1'](https://.../Api/v6/vcloud/vappsmetadata?$filter=Key e.q. 'Key1')

Required Role: MSP or Tenant Admin or Tenant User