

NetBackup API - 8.1.1

Getting Started

This document is a PDF of the HTML [NetBackup 8.1.1 API Reference](#).

Introduction

The NetBackup API provides a web-service based interface to configure and administer NetBackup, the industry leader in data protection for enterprise environments.

NetBackup API is RESTful

The NetBackup API is built on the Representational State Transfer (REST) architecture, which is the most widely used style for building APIs. The NetBackup API uses the HTTP protocol to communicate with NetBackup. The NetBackup API is therefore easy to use in cloud-based applications, as well as across multiple platforms and programming languages.

JSON message format

The NetBackup API uses JavaScript Object Notation (JSON) as the message format for request and response messages.

The client-server relationship

The NetBackup API employs client-server communication in the form of HTTP requests and responses.

- The API client (your program) uses the HTTP protocol to make an API request to the NetBackup server.
- The NetBackup server processes the request. The server responds to the client with an appropriate HTTP status code indicating either success or failure. The client then extracts the required information from the server's response.

Overview

Authentication

NetBackup authenticates the incoming API requests based on the JSON Web Token (JWT) that

needs to be provided in the `Authorization` HTTP header when making the API requests. This JSON Web Token (JWT) is acquired by executing a `login` API request first.

TIP

The port that is used to access the NetBackup API is the standard NetBackup PBX port, 1556.

Example

The following procedure provides a sample workflow to retrieve job information from NetBackup. This procedure involves logging in to NetBackup to receive a JWT and then requesting job information for a specific job (job ID 5 in this scenario).

Step 1

Use the NetBackup API endpoint `POST /login` to create a login request:

```
curl -X POST https://masterservername:1556/netbackup/login \
-H 'content-type: application/vnd.netbackup+json;version=1.0' \
-d '{
    "domainType": "vx",
    "domainName": "mydomain",
    "userName": "myusername",
    "password": "mypassword"
}'
```

The following response to the `login` request contains the JSON Web Token (JWT):

NOTE

This response contains three attributes: `token`, `tokenType` and `validity`. The `token` attribute provides the JWT. The `validity` attribute indicates that the token returned is valid for 86400 seconds, or 24 hours.

```
{
  "token":
  "eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsInppcCI6IHRFRiJ9.eNp0VF1v2jAU_S9-
  nHiArXQrb15yaT2cOLIdEJ2mKGWZmnXARMKEVvW_13EciO3weu65H-d-
  vaIyr9FsMp18Gt_dTsefb6bjESqrCs3Q7umYbfOqLg5ohH7XpYIwqVfzNM1k6tHvCKJmHsnv63_5MvHO-
  V_cztClfFJkQ_b3bGaHar6UGxeitm_k2Lnx_o5q_cvxW44W111-c9t2Vjrw7FokW2-es53hcJ-5X-
  qwoT5n232u7o4qfJfEQchMZfZN_YVzb6jD-jHSGOMQ0YifA9ndElg5dJAZg9MyDMUcMASsmUkgC-
  B96jGYrFDokCwgFEKgSQsPlsoETILgEsyJ4HyE2dLxEIyX9txDJYwSoK1Xa_F01EFZcLnZJgS3MOBNxEhDh
  NGYi9Tr7KLdJZ4JXBYsgUM0nUtnFFFmirQ7ZBUUZzm6EweHClDmbTBKczEtacZK55kkXJuwrcjcf1m6gq45T
  gne7I1_o9XF8CNPqdmTnIZEUnYvXLIjQZPnEIoQS2yJAwPVuJLrIFioFFyY4VQ-
  6JY70hLgERGiv6gad2SYVR9Ya822h6mOKI3sSXRnwsGEWBJMnTLsszTZhpbfarnh9cfI9_san08DbzZF87m
  6RcSxyqAKoK63o9RsrJWnPd2zdzq-
  5A8MRqUjUN1ln6I4BgpQTuU44S7zZHOqQyeJdbodJAKiVor2YK8_nMutL7DQJux-
  m_KIiYukvnrthumPCbaS9BCbwbB5j8vW0cYZGfPvrxZHqrHrvU7tfsWmY9wf00nakt7d3AAAA__8.VVE25r
  QqbrC-isGOqbrTqMPoK4ts5-9_6zSgz0fUg11m9GCClq10PS9u1DlaXye-
  S2MYyYHVEHSVs6uKcPVvN2WGBHkv7t-
  c4Hixc908zrJYhJaP979wF_gn08YnRlX7_o4Qj6muc1IWHjK0hPMIgg0X-sBU2Git9uppVW1jbLA",
  "tokenType": "BEARER",
```

```

    "validity": 86400
  }

```

Step 2

Get the job information using the NetBackup API endpoint `GET /admin/jobs/{jobId}`. In this example, the information for the job ID `5` is requested.

NOTE

The Authorization header uses the value of the `token` attribute from the response to the `login` request made in the previous step.

```

curl -X GET https://masterservername:1556/netbackup/admin/jobs/5 \
  -H 'Accept: application/vnd.netbackup+json;version=1.0' \
  -H 'Authorization:
eyJ0eXAiOiJKV1QiLCJhbGciOiJSUzI1NiIsInppcCI6IkpRFRiJ9.eNp0VF1v2jAU_S9-
nHiArXQrb15yaT2c0LIdEJ2mKGWZmnXARMKEVvW_13EciO3weu65H-d-
vaIyr9FsMp18Gt_dTsefb6bjESqrCs3Q7umYbfOqLg5ohH7XpYIWqwVfzNM1k6tHvCKJmHsnv63_5MvHO-
V_cztClfFjkQ_b3bGaHar6UGxeitm_k2Lnx_o5q_cvxW44W111-c9t2Vjrw7FokW2-es53hcJ-5X-
qwoT5n232u7o4qfJfEQchMZfZN_YVzb6jD-jHSGOMQ0YifA9ndElg5dJAZg9MyDMUcMASsmUkgC-
B96jGYrFDoKCwgFEKgSQsPlsoETILgEsyJ4HyE2dLxEIyX9txDJYwSoK1Xa_F01EFZcLnZJgS3MOBNxEhDh
NGYi9Tr7KLdJZ4JBYsgUM0nUtnFFfmirQ7ZBUUZzm6EweHClDmbTBKczEtacZK55kkXJuwrcjflm6gq45T
gne7I1_o9XF8CNPqdmTnIZEUnYvXLIjQZPnEItoQS2yJAwPVuJLrIFioFFyY4VQ-
6JY70hLgERGiv6gad2SYVR9Ya822h6mOKI3sSXRnwsGEWBJMnTLsszTZhpbfarnh9cfI9_san08DbzZF87m
6RcSxyqAKoK63o9RsrJWnPd2zdzq-
5A8MRqUjUN1lnI6BgpQTuU44S7zzHOqQyeJdboDjAKiVor2YK8_nMutL7DQJux-
m_KIYukvnrthumPCbas9BCbwkB5j8vW0cYZGfPvrxZHqrHrvU7tfsWmY9wf0Onakt7d3AAAA__8.VVE25r
QqbrC-isGOqbrTqMPoK4ts5-9_6zSgz0fUg11m9GCClq10PS9u1DlaXye-
S2MYyYHVEHSVs6uKcPVvN2WGBHkv7t-
c4Hixc908zrJYhJaP979wF_gn08YnRlX7_o4Qj6muc1IWHjK0hPMIgg0X-sBU2Git9uppVW1jbLA'

```

The response to the `GET` request contains the job information for job ID `5`:

```

{
  "data": {
    "links": {
      "self": {
        "href": "/admin/jobs/5"
      },
      "file-lists": {
        "href": "https://masterservername:1556/netbackup/admin/jobs/5/file-
lists"
      },
      "try-logs": {
        "href": "https://masterservername:1556/netbackup/admin/jobs/5/try-
logs"
      }
    },
    "type": "job",
    "id": "5",
    "attributes": {
      "jobId": 5,
      "parentJobId": 0,

```

```
"activeProcessId": 27116,
"mainProcessId": 0,
"productType": 0,
"jobType": "IMAGEDELETE",
"jobSubType": "IMMEDIATE",
"policyType": "STANDARD",
"policyName": "",
"scheduleType": "FULL",
"scheduleName": "",
"clientName": "",
"controlHost": "",
"jobOwner": "root",
"jobGroup": "",
"backupId": "",
"sourceMediaId": "",
"sourceStorageUnitName": "",
"sourceMediaServerName": "",
"destinationMediaId": "",
"destinationStorageUnitName": "",
"destinationMediaServerName": "",
"dataMovement": "STANDARD",
"streamNumber": 0,
"copyNumber": 0,
"priority": 0,
"retention": 0,
"compression": 0,
"status": 1,
"state": "DONE",
"done": 1,
"numberOfFiles": 0,
"estimatedFiles": 0,
"kilobytesTransferred": 0,
"kilobytesToTransfer": 0,
"transferRate": 0,
"percentComplete": 0,
"currentFile": "",
"restartable": 0,
"suspendable": 0,
"resumable": 0,
"killable": 1,
"frozenImage": 0,
"transportType": "LAN",
"dedupRatio": 0,
"currentOperation": 0,
"qReasonCode": 0,
"qResource": "",
"robotName": "",
"vaultName": "",
"profileName": "",
"sessionId": 0,
"numberOfTapeToEject": 0,
"submissionType": 0,
"acceleratorOptimization": 0,
"dumpHost": "",
"instanceDatabaseName": "",
"auditUserName": "",
```

```

    "auditDomainName": "",
    "auditDomainType": 0,
    "restoreBackupIDs": "",
    "startTime": "2018-01-09T10:03:22.000Z",
    "endTime": "2018-01-09T10:03:23.000Z",
    "activeTryStartTime": "2018-01-09T10:03:22.000Z",
    "lastUpdateTime": "2018-01-09T10:03:23.256Z",
    "kilobytesDataTransferred": 0,
    "try": 1
  }
}
}

```

SSL certificate validation

The NetBackup web service always sends its certificate during SSL handshakes. This certificate can be validated by the API client. To validate the certificate, you will need to get the Certificate Authority (CA) certificate from the master server and then use the CA certificate in the API requests.

TIP

It is a good practice to validate the SSL certificate. This action ensures that you are communicating with the correct web service.

Step 1

Get the CA certificate from the master server using the `GET /security/cacert` API:

NOTE

You cannot make a secure request with certificate validation until you have the CA certificate. To obtain the initial CA certificate you must skip the certificate validation, with the `--insecure` curl option.

```

curl -X POST https://masterservername:1556/netbackup/security/cacert \
-H 'content-type: application/vnd.netbackup+json;version=1.0' \
--insecure

```

The response to the `cacert` request contains two certificates:

```

{
  "webRootCert": "-----BEGIN CERTIFICATE-----
-\nMIICl1jCCAf+gAwIBAgIIcte7aAAAAAAwDQYJKoZIhvcNAQENBQAwTTEOMAwGA1UE\nAnXMFbMjEhZGQxLj\nAsBgNVBAsUJXJvbnM3RABW9ybGV5dm01LnJtbnVzLnNlbi5zeWlhbnRlYy5jb20x\nCzAJBgNVBAsoTANZ4MB4\nXDTE4MDEwODE0MjcyNloXDTM4MDEwMzE1\nnNDIyNlowTTEOMAwGA1UEAxMFbMjEhZGQxLj\nAsBgNVBAsUJXJv\nb3RABW9ybGV5dm01\nnLnJtbnVzLnNlbi5zeWlhbnRlYy5jb20x\nCzAJBgNVBAsoTANZ4MIGfMA0GCSqGSIb3\n\nnDQEBQUAA4GNADCBiQKBgQDpRc/yo0utxcK\nrftPeOzn1o1MR5b42uGWrwg9kU4VM\n\nnZN++0kvrtrWt4wz8\nzdtNU4wtg/MHWt0ffj6FRYYAZBbM8fu56G\nFux3wCPJSHW16B\n\nnZ0nD1vZxFUwTXkRAAObuHrYphjBNf1oUU\n\n+4GS44KD4/UW/bucKdZsUI1+HcfCQZw\n\nnNwIDAQAB038wftAPBgNVHRMBAf8EBTADAQH\n\nMASGAyoDBQQEcm\n9vdDAPBgMqAwYE\n\nnCDAwMDAwMDE3MC0GAyoDCAQmeZg2ZDY5MDU0LWY0OGEtMTF1Ny1hNDAYLTYwYQY\n\n\nnMTZjYTdlZX0wHQYDVR0OBByEFfE/mpo7PbWs7p/zkAHwi\n\n\nBDwPdn+MA0GCSqGSIb3\n\n\nnDQEBQUAA4GBAAmZJ9\n8XLqG0H+qwyuZ97YdzE2dWkPrduuARYJp437Sc6tpL6nFn\n\n\nnuzbtGV30tDdhROYPf1AoNRmZHvz40Hra1B8\nj4VfggPZOAmk+UJPjzeHn6qhlRxl\n\n\nnHjCdEqUZ//+1Aqgj6f/6bqPO5boCVP1qW8N60fkBaV3zLwAOY6CK

```

```
iHS0\n-----END CERTIFICATE-----\n",
    "cacert": [
      "-----BEGIN CERTIFICATE-----
      -\nMIICl1jCCAf+gAwIBAgIIcte7aAAAAAAwDQYJKoZIhvcNAQENBQAwTTEOMAwGA1UE\nAsBgnVBAsUjXJvb3RAbW9ybGV5dm01LnJtbnVzLnNlbi5zeWlh\nbnRlYy5jb20xCzAJBgNVBAoTAnZ4MB4XDTE4MDEwODE0MjcyNloXDTM4MDEwMzE1\nnNDIyNlowTTEOMAwGA1UEAxMFbWJhdGQxLjAsBgnVBAsUjXJvb3RAbW9ybGV5dm01\nLnJtbnVzLnNlbi5zeWlhbnRlYy5jb20xCzAJBgNVBAoTAnZ4MIGfMA0GCSqGSIb3\nnDQEBQUAA4GNADCBiQKBgQDpRc/yo0utxcKrftPeOzn1o1MR5b42uGWrwg9kU4VM\nnZN++0kvrtrWt4wz8zdtNU4wtg/MHwt0ffj6FRYYAZBbM8fu56GFux3wCPJSHW16B\n\nZ0nD1vZxFUwTXkRAAObuHrYphjBNf1oUU+4GS44KD4/UW/bucKdZsUI1+HcfCQZw\nNwIDAQABo38wftAPBgNVHRMBaf8EBTADAQH/MASGAyoDBQQEcm9vdDAPBgMqAwYE\nCDAwMDAwMDE3MCOGAYoDCAQmezg2ZDY5MDU0LWY0OGETMTF1Ny1hNDAYLTYwYWQy\n\nMTZjYTdlZX0wHQYDVR0OBBYEFE/mpo7PbWs7p/zkAHwi/BDwPdn+MA0GCSqGSIb3\n\nnDQEBQUAA4GBAAmZJ98XLqG0H+qwyuZ97YdzE2dWkPrduuARYJp437Sc6tpL6nFn\n\nuzbtGV30tDdhROYPf1AoNRmZHvz40Hra1B8j4VFggPZOAmk+UJPjzeHn6qhlRxl\n\nHjCdEqUZ//+1Aqgj6f/6bqPO5boCVP1qw8N60fkBaV3zLwAOY6CKiHS0
      iHS0\n-----END CERTIFICATE-----\n"
    ]
  }
}
```

Step 2

Save the `webRootCert` certificate. To do this save the `webRootCert` string to a file. Make sure to convert the `\n` escape sequences to new lines (carriage returns).

For example, your file would look something like this:

```
-----BEGIN CERTIFICATE-----
MIICl1jCCAf+gAwIBAgIIcte7aAAAAAAwDQYJKoZIhvcNAQENBQAwTTEOMAwGA1UE
AxMFbWJhdGQxLjAsBgnVBAsUjXJvb3RAbW9ybGV5dm01LnJtbnVzLnNlbi5zeWlh
bnRlYy5jb20xCzAJBgNVBAoTAnZ4MB4XDTE4MDEwODE0MjcyNloXDTM4MDEwMzE1
nNDIyNlowTTEOMAwGA1UEAxMFbWJhdGQxLjAsBgnVBAsUjXJvb3RAbW9ybGV5dm01
LnJtbnVzLnNlbi5zeWlhbnRlYy5jb20xCzAJBgNVBAoTAnZ4MIGfMA0GCSqGSIb3
nDQEBQUAA4GNADCBiQKBgQDpRc/yo0utxcKrftPeOzn1o1MR5b42uGWrwg9kU4VM
nZN++0kvrtrWt4wz8zdtNU4wtg/MHwt0ffj6FRYYAZBbM8fu56GFux3wCPJSHW16B
Z0nD1vZxFUwTXkRAAObuHrYphjBNf1oUU+4GS44KD4/UW/bucKdZsUI1+HcfCQZw
NwIDAQABo38wftAPBgNVHRMBaf8EBTADAQH/MASGAyoDBQQEcm9vdDAPBgMqAwYE
CDAwMDAwMDE3MCOGAYoDCAQmezg2ZDY5MDU0LWY0OGETMTF1Ny1hNDAYLTYwYWQy
MTZjYTdlZX0wHQYDVR0OBBYEFE/mpo7PbWs7p/zkAHwi/BDwPdn+MA0GCSqGSIb3
nDQEBQUAA4GBAAmZJ98XLqG0H+qwyuZ97YdzE2dWkPrduuARYJp437Sc6tpL6nFn
uzbtGV30tDdhROYPf1AoNRmZHvz40Hra1B8j4VFggPZOAmk+UJPjzeHn6qhlRxl
HjCdEqUZ//+1Aqgj6f/6bqPO5boCVP1qw8N60fkBaV3zLwAOY6CKiHS0
-----END CERTIFICATE-----
```

Step 3

You can now use the CA certificate in your API requests. For example, to securely use the `cacert` API remove the `--insecure` option and use the `--cacert <filename>` option. In the following example, the CA certificate was saved in the file `cacert.pem`.

```
curl -X POST https://masterservername:1556/netbackup/security/cacert \
-H 'content-type: application/vnd.netbackup+json;version=1.0' \
--cacert cacert.pem
```

Versioning

To maintain compatibility with the back-level API clients, it is sometimes necessary to version the NetBackup API. The NetBackup API is developed so that new versions are minimized. However, at times changes are needed to the API that require a new API version. The mechanism to version the NetBackup API is described below.

Version numbers follow a simple `MAJOR.MINOR` pattern, such as `1.2`. These version numbers are not the same as the NetBackup release number. The current API version number is documented with every NetBackup release. The version number may not increase sequentially from one NetBackup release to the next release. The version number may increase by multiple major versions between two consecutive NetBackup releases.

Content negotiation is used to specify which API version the API client is requesting. A new vendor-specific media type `application/vnd.netbackup+json` is used, along with a media type parameter named `version`. For example:

`application/vnd.netbackup+json;version=1.0`. This media type should be used in the `Accept` or `Content-Type` HTTP header of your request. If you send both `Accept` and `Content-Type` HTTP headers, their values must match.

In some cases, an API does not consume any input or produce any output. Such a case normally means that neither `Accept` nor `Content-Type` HTTP headers are required. However, because these headers are used to specify the API version, the `Accept` header must be specified.

TIP

The value of the `Content-Type` or `Accept` HTTP header in a NetBackup API request must use this format:

```
application/vnd.netbackup+media;version=<major>.<minor>
```

It is important for you to consider the kind of changes that will require a new version of the NetBackup API. Developing your API client with these rules in mind will ensure that your API client remains compatible with the future versions of the NetBackup API.

The following is a list of possible API changes and if they result in a new API version:

API change results in a new version?	Yes / No
Add a new endpoint	No
Remove an endpoint	Yes
Add an output field or attribute	No
Remove output field or attribute	Yes
Add required input field or attribute	Yes

Add non-required input field or attribute

No

NOTE

- If the API client expects a particular endpoint or field in the NetBackup response, then removing the endpoint or field results in a new version.
- If NetBackup expects a new required field in the request from the API client, then adding it results in a new version.
- As you develop your API client, as a best practice you should ignore any new fields that are returned to you. Do not treat unrecognized fields as an error. This way your API clients can continue to work with future releases of NetBackup without any change.

Pagination

Some NetBackup APIs use pagination to limit the number of resources returned in a response. These APIs use the `page[offset]` and `page[limit]` query parameters to set the starting point (offset) and the page size (limit). The results are returned in a page-by-page format.

TIP

The default page size is 10 resources. The type of resource depends on the individual API. For example: For the API that gets a list of jobs, the page contains job-related information for up to 10 NetBackup jobs.

Filtering

Some NetBackup APIs use the 'filter' query parameter to limit or reduce the number of resources that the response returns.

Use the OASIS syntax to specify the value of the `filter` using [OData filtering language](#).

NOTE

The supported OData operators and functions depend on each individual NetBackup API, as described in the NetBackup API reference.

API Code Samples

To hit the ground running with the NetBackup API, you can refer to the API code samples in different programming languages. The API code samples are located on github: <https://github.com/VeritasOS/netbackup-api-code-samples>. This is a community-supported, open source project available under the MIT license.

Disclaimer

- The API code samples are not officially supported by Veritas and should not be used in a production environment.
- The purpose of these code samples is only to serve as a reference, to help you write your own applications using the NetBackup API.

What's New?

NetBackup 8.1.1

NetBackup 8.1.1 adds support for the following APIs:

NOTE

Each API in this list includes a link to the API reference for further details.

NetBackup Authentication API

The [NetBackup Authentication API](#) provides authentication by means of a JSON Web Token (JWT) that is used when making the API requests. The JWT is acquired by executing a `login` API request and can be invalidated by executing a `logout` API request.

NetBackup Administration API

The [NetBackup Administration API](#) provides management of NetBackup jobs. The API can get job details for a specific job or get a list of jobs based on filter criteria, `restart` or `resume` a job, `suspend`, `cancel`, or `delete` a job, get a job's file list, and get the job logs.

NetBackup Catalog API

The [NetBackup Catalog API](#) provides access to the NetBackup catalog to get details about backup images. The API can list backup images based on filters or get details for a specific backup image ID.

NetBackup Configuration API

The [NetBackup Configuration API](#) provides configuration and management controls for NetBackup hosts, NetBackup policies, Web Socket servers, and VM server credentials.

NetBackup Recovery API

The [NetBackup Recovery API](#) provides the capability of recovering from VMware backup images. It supports the recovery of full VMs to the original or to alternate location.

NetBackup Security API

The [NetBackup Security API](#) provides access to the security resources of NetBackup. The API can

manage authorization tokens, host ID-based certificates, security configuration options and auditing.

NetBackup Authentication API

Overview

The NetBackup Authentication API provides authentication by means of a JSON Web Token (JWT) that is used when making the API requests.

Version information

Version : 1.0

URI scheme

Host : <masterserver>:1556

BasePath : /netbackup

Schemes : HTTPS

Paths

GET /appdetails

Description

Gets the web service application details. The application names and status are returned.

Responses

HTTP Code	Description	Schema
200	Web service application details returned successfully.	appdetailsResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

Produces

`application/vnd.netbackup+json;version=1.0`

POST /login

Description

Logs in with the username and password and receives a JSON Web Token (JWT) that is used on all subsequent API requests.

Parameters

Type	Name	Schema
Body	login <i>required</i>	userPassLoginRequest

Responses

HTTP Code	Description	Schema
201	Login successful. Headers : Location (string) : The URI that contains the authentication token.	loginResponse
400	Bad request	errorResponse
401	Wrong username or password.	errorResponse
406	Invalid Accept type. Make sure your Accept header matches what this API produces.	errorResponse
415	Unsupported Media Type. The media type specified in the Content-Type header is not supported by this API.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Produces

- `application/vnd.netbackup+json;version=1.0`

POST /logout

Description

Removes the current access token (JWT), which invalidates that token for future API calls.

Responses

HTTP Code	Description	Schema
200	Logout successful.	No Content
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

Security

Type	Name
apiKey	rbacSecurity

GET /ping

Description

Tests the connection to the gateway service from the client and returns the master server time in milliseconds.

Responses

HTTP Code	Description	Schema
200	Ping successful. Master server time in milliseconds.	string
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	string

Produces

- `text/plain`

GET /tokenkey

Description

Gets the public key that can be used to validate the JSON Web Token (JWT).

Responses

HTTP Code	Description	Schema

HTTP Code	Description	Schema
200	Successfully retrieved the token key.	string
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	string

Produces

- `text/html`

Definitions

appdetailsResponse

Type : < [appdetailsResponse](#) > array

appdetailsResponse

Name	Description	Schema
appName <i>required</i>	Application name.	string
status <i>required</i>	Current run-time status of the application.	string

errorResponse

Name	Description	Schema
errorCode <i>required</i>	The NetBackup error code.	integer (int64)
errorMessage <i>required</i>	The NetBackup error code description.	string

loginResponse

Name	Description	Schema
token <i>required</i>	The token to use for subsequent API requests.	string

tokenType <i>required</i>	The token type for the token that is returned.	string
validity <i>required</i>	The time in seconds that this token will be valid.	integer

userPassLoginRequest

Name	Description	Schema
domainName <i>optional</i>	The domain name for the user.	string
domainType <i>optional</i>	The domain type for the user.	enum (NIS, NIS+, NT, vx, unixpwd)
password <i>required</i>	The user password.	string
userName <i>required</i>	The user account name.	string

Security

rbacSecurity

Type : apiKey

Name : Authorization

In : HEADER

NetBackup Administration API

Overview

The NetBackup Administration API provides access to administrative operations in NetBackup.

Version information

Version : 1.0

URI scheme

Host : <masterserver>:1556

BasePath : /netbackup

Schemes : HTTPS

Paths

GET /admin/jobs

Description

Gets the list of jobs based on specified filters. If no filters are specified, information for 10 jobs sorted in descending order by job start time is retrieved. All the filters are based on OData standards, and filtering on the following attributes is supported. To avoid sending large set of jobs data, API returns only subset of data (default size 10). To fetch additional results, take advantage of pagination using "page[Offset]" & "page[limit]" which allows for subsequent requests to "page" through the rest of the results until the end is reached.

Name	Supported Operators	Description	Schema
jobId	eq ne lt gt le ge	The job identifier.	integer(int64)
clientName	contains, startswith, endswith	The name of the client to be protected.	string
endTime	eq ne lt gt le ge	Specifies the time when the job finished.	date-time
startTime	eq ne lt gt le ge	Specifies the time when the job started.	date-time
state	eq ne	Specifies the state of the job. Possible values: QUEUED, ACTIVE, REQUEUED, DONE, SUSPENDED, INCOMPLETE	string
status	eq ne lt gt le ge	Specifies the final job status code.	integer(int64)

jobType	eq ne	Specifies the type of the job. Possible values: BACKUP, ARCHIVE, RESTORE, VERIFY, DUPLICATE, IMPORT, DBBACKUP, VAULT, LABEL, ERASE, TPREQ, TPCLEAN, TPFORMAT, VMPHYSINV, DQTS, DBRECOVER, MCONTENTS, IMAGEDELETE, LIVEUPDATE, GENERIC, REPLICATE, REPLICA_IMPORT, SNAPDUPE, SNAPREPLICATE, SNAPIMPORT, APP_STATE_CAPTURE, INDEXING, INDEXCLEANUP, SNAPSHOT, SNAPINDEX, ACTIVATE_IR, DEACTIVATE_IR, REACTIVATE_IR, STOP_IR, INSTANT_RECOVERY, RMAN_CATALOG, LOCKVM	string
policyName	contains, startswith, endswith	The name of the policy used by this job.	string
policyType	eq ne	Specifies the type of the policy. Possible values: STANDARD, PROXY, NONSTANDARD, APOLLO_WBAK, OBACKUP, ANY, INFORMIX, SYBASE, SHAREPOINT, WINDOWS, NETWARE, BACKTRACK, AUSPEX_FASTBACK, WINDOWS_NT, OS2,	string

	SQL_SERVER, EXCHANGE, SAP, DB2, NDMP, FLASHBACKUP, SPLITMIRROR, AFS, DFS EXTENSIBLE, LOTUS_NOTES, NCR_TERADATA, VAX_VMS, HP3000_MPE, FBU_WINDOWS, VAULT, BE_SQL_SERVER, BE_EXCHANGE, MAC, DS, NBU_CATALOG, GENERIC, CMS_DB, PUREDISK_EXPORT, ENTERPRISE_VAULT, VMWARE, HYPERV, BIGDATA, HYPERSCALE, NBU_SEARCHSERVER	
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Parameters

Type	Name	Description	Schema
Query	filter <i>optional</i>	Specifies filters according to OData standards.	string
Query	page[limit] <i>optional</i>	The number of records on one page after the offset.	integer (int64)
Query	page[offset] <i>optional</i>	The job record number offset.	integer (int64)
Query	sort <i>optional</i>	Sorts in ascending order on the specified property. Prefix with '-' for descending order.	string

Responses

HTTP Code	Description	Schema
200	Successfully retrieved the list of jobs based on the specified filters.	getJobsResponse
400	Bad request.	errorResponse

401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	No entity found.	errorResponse
405	Method not allowed. The specified HTTP operation is invalid.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse
415	Unsupported Media Type. The media type specified in the <code>Content-Type</code> header is not supported by this API.	errorResponse
500	An unexpected system error occurred.	errorResponse
503	The server is busy.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacSecurity

GET /admin/jobs/{jobId}

Description

Gets the job details for the specified job.

Parameters

Type	Name	Description	Schema
Path	jobId <i>required</i>	The job identifier.	integer (int64)

Responses

HTTP Code	Description	Schema
200	Successfully retrieved the job details for the specified job.	getJobDetailsResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse

404	No entity found.	errorResponse
405	Method not allowed. The specified HTTP operation is invalid.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse
415	Unsupported Media Type. The media type specified in the <code>Content-Type</code> header is not supported by this API.	errorResponse
500	An unexpected system error occurred.	errorResponse
503	The server is busy.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacSecurity

DELETE /admin/jobs/{jobId}

Description

Deletes the specified job.

Parameters

Type	Name	Description	Schema
Header	X-NetBackup-Audit-Reason <i>optional</i>	The audit reason for deleting the job.	string
Path	jobId <i>required</i>	The job identifier.	integer (int64)

Responses

HTTP Code	Description	Schema

202	Request accepted.	No Content
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	No entity found.	errorResponse
405	Method not allowed. The specified HTTP operation is invalid.	errorResponse
415	Unsupported Media Type. The media type specified in the <code>Content-Type</code> header is not supported by this API.	errorResponse
500	An unexpected system error occurred.	errorResponse
503	The server is busy.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacSecurity

POST /admin/jobs/{jobId}/cancel

Description

Cancels the specified job.

Parameters

Type	Name	Description	Schema
Header	X-NetBackup-Audit-Reason <i>optional</i>	The audit reason for cancelling the job.	string
Path	jobId <i>required</i>	The job identifier.	integer (int64)

Responses

HTTP Code	Description	Schema
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202	Request accepted.	No Content
400	Bad request.	errorResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	No entity found.	errorResponse
405	Method not allowed. The specified HTTP operation is invalid.	errorResponse
415	Unsupported Media Type. The media type specified in the <code>Content-Type</code> header is not supported by this API.	errorResponse
500	An unexpected system error occurred.	errorResponse
503	The server is busy.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacSecurity

GET /admin/jobs/{jobId}/file-lists

Description

Gets the file list for the specified job.

Parameters

Type	Name	Description	Schema
Path	jobId <i>required</i>	The job identifier.	integer (int64)

Responses

HTTP Code	Description	Schema
200	Successfully retrieved the file list for the specified job.	getJobFileListResponse
	The <code>Authorization</code> header is missing, the token is invalid, or	

401	you do not have permission for this action.	errorResponse
404	No entity found.	errorResponse
405	Method not allowed. The specified HTTP operation is invalid.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse
415	Unsupported Media Type. The media type specified in the <code>Content-Type</code> header is not supported by this API.	errorResponse
500	An unexpected system error occurred.	errorResponse
503	The server is busy.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacSecurity

POST /admin/jobs/{jobId}/restart

Description

Restarts the specified job.

Parameters

Type	Name	Description	Schema
Header	X-NetBackup-Audit-Reason <i>optional</i>	The audit reason for restarting the job.	string
Path	jobId <i>required</i>	The job identifier.	integer (int64)

Responses

HTTP	Description	Schema
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Code		
202	Request accepted.	No Content
400	Bad request.	errorResponse
401	The Authorization header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	No entity found.	errorResponse
405	Method not allowed. The specified HTTP operation is invalid.	errorResponse
415	Unsupported Media Type. The media type specified in the Content-Type header is not supported by this API.	errorResponse
500	An unexpected system error occurred.	errorResponse
503	The server is busy.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacSecurity

POST /admin/jobs/{jobId}/resume

Description

Resumes the specified job.

Parameters

Type	Name	Description	Schema
Header	X-NetBackup-Audit-Reason <i>optional</i>	The audit reason for resuming the job.	string
Path	jobId <i>required</i>	The job identifier.	integer (int64)

Responses

HTTP Code	Description	Schema
202	Request accepted.	No Content
400	Bad request.	errorResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	No entity found.	errorResponse
405	Method not allowed. The specified HTTP operation is invalid.	errorResponse
415	Unsupported Media Type. The media type specified in the <code>Content-Type</code> header is not supported by this API.	errorResponse
500	An unexpected system error occurred.	errorResponse
503	The server is busy.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
<code>apiKey</code>	rbacSecurity

POST /admin/jobs/{jobId}/suspend

Description

Suspends the specified job.

Parameters

Type	Name	Description	Schema
Header	X-NetBackup-Audit-Reason <i>optional</i>	The audit reason for suspending the job.	string
	jobId		

Path	<i>required</i>	The job identifier.	integer (int64)
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Responses

HTTP Code	Description	Schema
202	Request accepted.	No Content
400	Bad request.	errorResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	No entity found.	errorResponse
405	Method not allowed. The specified HTTP operation is invalid.	errorResponse
415	Unsupported Media Type. The media type specified in the <code>Content-Type</code> header is not supported by this API.	errorResponse
500	An unexpected system error occurred.	errorResponse
503	The server is busy.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacSecurity

GET /admin/jobs/{jobId}/try-logs

Description

Gets logs for the specified job.

Parameters

Type	Name	Description	Schema
Path	jobId <i>required</i>	The job identifier.	integer (int64)

Responses

HTTP Code	Description	Schema
200	Successfully retrieved the try-logs for the specified job.	getJobTryLogsResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	No entity found.	errorResponse
405	Method not allowed. The specified HTTP operation is invalid.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse
415	Unsupported Media Type. The media type specified in the <code>Content-Type</code> header is not supported by this API.	errorResponse
500	An unexpected system error occurred.	errorResponse
503	The server is busy.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
<code>apiKey</code>	rbacSecurity

Definitions

errorResponse

Name	Description	Schema
<code>errorCode</code> <i>required</i>	The NetBackup error code.	integer (int64)
<code>errorMessage</code> <i>required</i>	The NetBackup error code description.	string

getJobDetailsResponse

Name	Schema
data <i>optional</i>	data

data

Name	Schema
attributes <i>optional</i>	attributes
id <i>optional</i>	integer (int64)
links <i>optional</i>	links
type <i>optional</i>	string

attributes

Name	Description	Schema
acceleratorOptimization <i>optional</i>	Indicates if the job uses optimization with the NetBackup Accelerator.	boolean
activeProcessId <i>optional</i>	The process that is active now.	integer (int64)
activeTryStartTime <i>optional</i>	A UTC timestamp of when the current try started.	string
auditDomainName <i>optional</i>	The domain name for auditing.	string

auditDomainType <i>optional</i>	The auditing domain type.	enum (INVALID, ACTIVE_DIRECTORY, NIS_PLUS, VXAT_PRIVATE, UNIX_PASSWORD, NIS, LOCAL_HOST, UNKNOWN_AUTH)
auditUserName <i>optional</i>	The user name in the audit record.	string
backupId <i>optional</i>	The backup ID or image ID.	string
clientName <i>optional</i>	The name of the client to be protected.	string
compression <i>optional</i>	True if compression is enabled on the backup policy.	boolean
controlHost <i>optional</i>	The host from which the job was initiated.	string
copyNumber <i>optional</i>	The backup image copy number.	integer (int64)
currentFile <i>optional</i>	The current file being protected.	string
currentOperation <i>optional</i>	The current operation being performed.	enum (MOUNTING, POSITIONING, CONNECTING, WRITING, VLT_INIT, VLT_DUPIMG, VLT_DUPCMP, VLT_BK_NBCAT, VLT_EJRPT, VLT_COMPLETE, READING, DUPLICATE, IMPORT, VERIFY, RESTORE, BACKUPDB, VAULT, LABEL, ERASE, SYNTH_DBQUERY, SYNTH_PROCESS_EXTENTS, SYNTH_PLAN, CREATE_SNAPSHOT, DELETE_SNAPSHOT, RECOVERDB, MCONTENTS, SYNTH_REQUERESOURCES, PARENT_JOB, INDEXING, REPLICATE, RUNNING, ASSEMBLING_FILE_LIST, ALLOCATING_MEDIA)

dataMovement <i>optional</i>	The type of data movement used for this job.	enum (STANDARD, INSTANTRECOVERYDISK, INSTANTRECOVERYDISKANDTAPE, SYNTHETIC, DISKSTAGING, SNAPSHOT)
dedupRatio <i>optional</i>	The deduplication rate achieved.	integer (int64)
destinationMediaId <i>optional</i>	The destination media server. Used for deduplication jobs.	string
destinationStorageUnitName <i>optional</i>	The destination storage unit. Used for deduplication jobs.	string
done <i>optional</i>	Indicates if the job is complete.	integer (int64)
dumpHost <i>optional</i>	The recovery appliance host name for Copilot.	string
endTime <i>optional</i>	The job end time.	string
estimatedFiles <i>optional</i>	The estimated number of files to be protected.	integer (int64)
frozenImage <i>optional</i>	Used internally to flag snapshots. Also used to determine if the job type is	integer (int64)

	snapshot.	
instanceDatabaseName <i>optional</i>	The database instance and/or database name itself.	string
jobGroup <i>optional</i>	The group name of the job initiator.	string
jobId <i>optional</i>	The job identifier.	integer (int64)
jobOwner <i>optional</i>	The user name of the job initiator.	string
jobQueueReason <i>optional</i>	The reason the job is queued.	enum (MEDIA_IN_USE, DRIVES_IN_USE, MEDIA_SERVER_OFFLINE, ROBOT_DOWN, MAX_STORAGE_UNIT_JOBS, MEDIA_REQUEST_DELAY, LOCAL_DRIVES_DOWN, MEDIA_IN_DRIVE_IN_USE, PHYSICAL_DRIVE_UNAVAILABLE, CLEANING_MEDIA_UNAVAILABLE, DRIVE_SCAN_HOST_OFFLINE, DISK_MEDIA_SERVER_OFFLINE, NO_MASTER_MEDIA_CONNECTIVITY, MEDIA_SERVER_NON_ACTIVE_MODE, STORAGEUNIT_JOB_COUNTS_THROTTLED, JOB_HISTORY_DRIVES_IN_USE, DISK_VOLUME_UNAVAILABLE, MAX_CONCURRENT_VOLUME_READERS, DISK_GROUP_UNAVAILABLE, FAT_PIPE_IN_USE, DISK_VOLUME_UNMOUNTING, DISK_VOLUME_IN_USE, MAX_PARTIAL_MEDIA, LOGICAL_RESOURCE, DRIVES_IN_STORAGE_UNIT_IN_USE, STOP_DRIVE_SCAN, DISK_VOLUME_MOUNTING, MOUNT_FILE_EXISTS, PENDING_ACTION, DISK_VOLUME_STREAM_LIMIT)
	The name of	

jobQueueResource <i>optional</i>	the resource for which the queued job is waiting.	string
jobSubType <i>optional</i>	The job sub-type.	enum (IMMEDIATE, SCHEDULED, USERBACKUP, ERASETYPE_QUICK, ERASETYPE_LONG, DBBACKUP_STAGING, DBBACKUP_COLD, RMAN_CATALOG)
jobType <i>optional</i>	The job type.	enum (BACKUP, ARCHIVE, RESTORE, VERIFY, DUPLICATE, IMPORT, DBBACKUP, VAULT, LABEL, ERASE, TPREQ, TPCLEAN, TPFORMAT, VMPHYSINV, DQTS, DBRECOVER, MCONTENTS, IMAGEDELETE, LIVEUPDATE, GENERIC, REPLICATE, REPLICA_IMPORT, SNAPDUPE, SNAPREPLICATE, SNAPIMPORT, APP_STATE_CAPTURE, INDEXING, INDEXCLEANUP, SNAPSHOT, SNAPINDEX, ACTIVATE_IR, DEACTIVATE_IR, REACTIVATE_IR, STOP_IR, INSTANT_RECOVERY, RMAN_CATALOG, LOCKVM)
killable <i>optional</i>	True if the job can be killed.	boolean
kilobytesDataTransferred <i>optional</i>	The actual data transferred in kilobytes. For some jobs, data transferred is different than the final image size.	integer (int64)
kilobytesToTransfer <i>optional</i>	The remaining kilobytes to be transferred.	integer (int64)
kilobytesTransferred <i>optional</i>	The estimated amount of data transferred in kilobytes.	integer (int64)

lastUpdateTime <i>optional</i>	The UTC timestamp when the job was modified.	string
mainProcessId <i>optional</i>	The process ID of the main controlling process for restore and image cleanup.	integer (int64)
numberOfFiles <i>optional</i>	The actual number of files protected.	integer (int64)
numberOfTapeToEject <i>optional</i>	For vault jobs, the total number of tape media to be ejected.	integer (int64)
parentJobId <i>optional</i>	The parent job ID.	integer (int64)
percentComplete <i>optional</i>	The estimated completion percentage of this job.	integer (int64)
policyName <i>optional</i>	The name of the policy used by this job.	string
policyType <i>optional</i>	The backup policy type used by the job.	enum (STANDARD, PROXY, NONSTANDARD, APOLLO_WBAK, OBACKUP, ANY, INFORMIX, SYBASE, SHAREPOINT, WINDOWS, NETWARE, BACKTRACK, AUSPEX_FASTBACK, WINDOWS_NT, OS2, SQL_SERVER, EXCHANGE, SAP, DB2, NDMP, FLASHBACKUP, SPLITMIRROR, AFS, DFS, EXTENSIBLE, LOTUS_NOTES, NCR_TERADATA, VAX_VMS, HP3000_MPE, FBU_WINDOWS, VAULT, BE_SQL_SERVER,

		BE_EXCHANGE, MAC, DS, NBU_CATALOG, GENERIC, CMS_DB, PUREDISK_EXPORT, ENTERPRISE_VAULT, VMWARE, HYPERV, NBU_SEARCHSERVER, HYPERSCALE, BIGDATA)
priority <i>optional</i>	The priority of this job.	integer (int64)
profileName <i>optional</i>	The name of the Vault profile.	string
restartable <i>optional</i>	True if the job is restartable.	boolean
restoreBackupIDs <i>optional</i>	The list of backup IDs needed for the restore job.	string
resumable <i>optional</i>	True if the job is resumable.	boolean
retentionLevel <i>optional</i>	The retention level of the backup image.	integer (int64)
robotName <i>optional</i>	The name of the robot in the Vault job.	string
scheduleName <i>optional</i>	The name of the backup schedule used by the backup job.	string
scheduleType <i>optional</i>	The type of schedule used by the backup job.	enum (FULL, DIFFERENTIAL_INCREMENTAL, USER_BACKUP, USER_ARCHIVE, CUMULATIVE_INCREMENTAL, TRANSACTION_LOG)
sessionId <i>optional</i>	The Vault session ID.	integer (int64)
sourceMediaId	The source media ID for	

<i>optional</i>	the duplication job.	string
sourceMediaServerName <i>optional</i>	The source media server name for the duplication job.	string
sourceStorageUnitName <i>optional</i>	The source storage unit.	string
startTime <i>optional</i>	The UTC timestamp when the job was started.	string
state <i>optional</i>	The current state of the job.	enum (QUEUED, ACTIVE, REQUEUED, DONE, SUSPENDED, INCOMPLETE)
status <i>optional</i>	The final job status code.	integer (int64)
streamNumber <i>optional</i>	The job stream number.	integer (int64)
submissionType <i>optional</i>	The job submission type.	integer (int64)
suspendable <i>optional</i>	True if the job is suspendable.	boolean
transferRate <i>optional</i>	The data transfer rate in kilobytes (KB) per second.	integer (int64)
transportType <i>optional</i>	The data transport type used for the job.	enum (LAN, FAT)
	The current	

try <i>optional</i>	try number to execute this job.	integer (int64)
vaultName <i>optional</i>	The Vault name used by the job.	string

links

Name	Schema
file-lists <i>optional</i>	file-lists
self <i>optional</i>	self
try-logs <i>optional</i>	try-logs

file-lists

Name	Schema
href <i>optional</i>	string

self

Name	Schema
href <i>optional</i>	string

try-logs

Name	Schema
href <i>optional</i>	string

getJobFileListResponse

Name	Schema

data <i>optional</i>	data
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data

Name	Schema
attributes <i>optional</i>	attributes
id <i>optional</i>	integer (int64)
links <i>optional</i>	links
type <i>optional</i>	string

attributes

Name	Schema
fileList <i>optional</i>	< string > array

links

Name	Schema
self <i>optional</i>	self

self

Name	Schema
href <i>optional</i>	string

getJobTryLogsResponse

Name	Schema
data <i>optional</i>	data

data

Name	Schema
attributes <i>optional</i>	attributes
id <i>optional</i>	integer (int64)
links <i>optional</i>	links
type <i>optional</i>	string

attributes

Name	Schema
log <i>optional</i>	< string > array

links

Name	Schema
self <i>optional</i>	self

self

Name	Schema
href <i>optional</i>	string

getJobsResponse

Name	Schema
data <i>optional</i>	data
links <i>optional</i>	links

meta <i>optional</i>	meta
--------------------------------	----------------------

data

Name	Schema
attibutes <i>optional</i>	< getJobDetailsResponse > array
id <i>optional</i>	integer (int64)
type <i>optional</i>	string

links

Name	Schema
first <i>optional</i>	first
last <i>optional</i>	last
next <i>optional</i>	next
prev <i>optional</i>	prev
self <i>optional</i>	self

first

Name	Schema
href <i>optional</i>	string

last

Name	Schema

href <i>optional</i>	string
--------------------------------	--------

next

Name	Schema
href <i>optional</i>	string

prev

Name	Schema
href <i>optional</i>	string

self

Name	Schema
href <i>optional</i>	string

meta

Name	Schema
pagination <i>optional</i>	pagination

pagination

Name	Schema
count <i>optional</i>	integer (int64)
first <i>optional</i>	integer (int64)
last <i>optional</i>	integer (int64)
limit <i>optional</i>	integer (int64)

next <i>optional</i>	integer (int64)
offset <i>optional</i>	integer (int64)
page <i>optional</i>	integer (int64)
pages <i>optional</i>	integer (int64)
prev <i>optional</i>	integer (int64)

Security

rbacSecurity

Type : apiKey

Name : Authorization

In : HEADER

NetBackup Catalog API

Overview

The NetBackup Catalog API provides access to the NetBackup catalog.

Version information

Version : 1.0

URI scheme

Host : <masterserver>:1556

BasePath : /netbackup

Schemes : HTTPS

Paths

GET /catalog/images

Description

Get the list of images based on specified filters. If no filters are specified, information for the last 10 images made within the last 24 hours is returned. All the filters are based on OData standards and filtering on the following attributes is supported.

Name	Supported Operators	Description	Schema
backupId	eq	Specifies the backup ID.	string
backupTime	ge le	Specifies the backup time.	date-time
clientName	eq	Specifies the client name.	string
policyType	eq	Specifies the policy type.	string
policyName	eq	Specifies the policy name.	string
scheduleType	eq	Specifies the schedule type. Possible values: FULL DIFFERENTIAL_INCREMENTAL USER_BACKUP USER_ARCHIVE CUMULATIVE_INCREMENTAL	string

Parameters

Type	Name	Description	Schema	Default
Query	filter <i>optional</i>	The filter criteria in OData format.	string	
Query	page[limit] <i>optional</i>	The number of images on one page.	integer	10
Query	page[offset] <i>optional</i>	The image record number offset.	integer	0

Responses

HTTP	Description	Schema
------	-------------	--------

Code		
200	Returned the list of catalog images based on the filter criteria.	imageList
400	Invalid filter criteria.	errorResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	No images were found that met the filter criteria.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacSecurity

GET /catalog/images/{backupId}

Description

Requests the details of an image.

Parameters

Type	Name	Schema
Path	backupId <i>required</i>	string

Responses

HTTP Code	Description	Schema
200	Image details were returned successfully.	imageDetail
400	The backup ID is invalid.	errorResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	No images were found with the specified backup ID.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what	errorResponse

	this API produces.	
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Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacSecurity

GET /catalog/vmware-images/{backupId}

Description

Requests the details of a VMware image.

Parameters

Type	Name	Schema
Path	backupId <i>required</i>	string

Responses

HTTP Code	Description	Schema
200	VMware image details returned successfully.	vmwareImageDetail
400	The backup ID is invalid.	errorResponse
401	The Authorization header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	The VMware image was not found.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacSecurity

Definitions

errorResponse

Name	Description	Schema
errorCode <i>required</i>	The NetBackup error code.	integer (int64)
errorMessage <i>required</i>	The NetBackup error code description.	string

fragment

Name	Description	Schema
blockSize <i>optional</i>	The block size used when writing the backup.	integer
checkpoint <i>optional</i>	Internal use.	integer
copyDate <i>optional</i>	In NetBackup 6.5 and later, for the first fragment of each copy, the ISO-8601 timestamp that the copy was written. Otherwise the value is 0.	string (date-time)
copyNumber <i>optional</i>	The copy number for this record.	integer
dataFormat <i>optional</i>	The backup data format. These enums are the same as the "data format types" in NetBackup (for example, DF_TAR, DF_SNAPSHOT and DF_NDMP).	enum (TAR, SNAPSHOT, NDMP_DUMP)
density <i>optional</i>	The NetBackup density of the media written to.	integer
deviceWrittenOn <i>optional</i>	The device that the copy was written on. This is the tape drive index, or -1 for non-tape media based backups.	integer
expiration <i>optional</i>	The ISO-8601 timestamp of expiration date of this copy.	string (date-time)
	The file number. This number is a numeric value	

fileNumber <i>optional</i>	that indicates the file number on the media. This number is displayed in the Activity Monitor under the Job Detailed Status as "positioning to file".	integer
firstBlock <i>optional</i>	Internal use.	integer
fragmentFlags <i>optional</i>	Internal use.	integer
fragmentNumber <i>optional</i>	The fragment number of this record within this copy.	integer
host <i>optional</i>	The name of the host that wrote this image copy to media.	string
kbytes64 <i>optional</i>	The size of the fragment in kilobytes.	integer
lastBlock <i>optional</i>	Internal use.	integer
mediaDate <i>optional</i>	The UTC timestamp of the AssignTime for tape media.	integer
mediaDesc <i>optional</i>	Internal use.	string
mediaId <i>optional</i>	The media ID or path this fragment is written to.	string
mediaSequenceNumber <i>optional</i>	Internal use.	integer
mediaSubtype <i>optional</i>	Internal use.	integer
mediaType <i>optional</i>	Internal use.	integer
multiplex <i>optional</i>	Internal use.	integer
offset <i>optional</i>	Internal use.	integer
remainder <i>optional</i>	Internal use.	integer
resumeNumber <i>optional</i>	Internal use.	integer

retentionLevel <i>optional</i>	Internal use.	integer
slpTryToKeepDate <i>optional</i>	Internal use.	integer

image

Name	Schema
attributes <i>required</i>	imageAttributes
id <i>required</i>	string
links <i>required</i>	links
relationships <i>optional</i>	imageRelationships
type <i>required</i>	string

links

Name	Schema
self <i>required</i>	self

self

Name	Schema
href <i>required</i>	string

imageAttributes

Name	Description	Schema
backupCopyType	The type of backup copy. These enums are the same as the "backup copy constants"	enum (DEFAULT, TPC,

<i>required</i>	in NetBackup, for example, BC_DEFAULT, BC_TPC, etc.	MEDIA_SERVER, NAS, SNAPSHOT, NDMP)
backupId <i>optional</i>	The backup ID of the backup image record.	string
backupStatus <i>required</i>	The NetBackup exit status of the backup job.	integer
backupTime <i>required</i>	The time used for backup image ID in ISO-8601 format	string (date-time)
blockIncrementalFullTime <i>required</i>	The time used for Block Level Incremental Backups (BLIB). A non-zero value indicates the current backup time if BLIB is performed.	integer
clientCharset <i>required</i>	Integer representation of the character set used when the client calls bpcd.	integer
clientName <i>required</i>	The name of the client protected by this image.	string
compression <i>required</i>	Indicates whether software compression is used.	boolean
contentFile <i>required</i>	The filename of the content (*.f) file.	string
contentFileCompressed <i>required</i>	Type of compression used on the content file (*.f).	enum (UNKNOWN, NOT, LEGACY, SCRIPT_OLD, SCRIPT_NEW, ZLIB)
contentFileSize <i>required</i>	The size of content file.	string
creator <i>required</i>	The user name of backup initiator.	string
dataClassification <i>required</i>	The data class specified in the policy.	string
drMediaList <i>required</i>	A list of tape media IDs required for DR.	< string > array
elapsedTimeSeconds	The amount of time (in seconds) that the backup took	integer

<i>required</i>	to run to completion.	
encryption <i>required</i>	Type of encryption used.	enum (NONE, LEGACY, CIPHER)
expiration <i>required</i>	The ISO 8601 timestamp for the expiration of this image.	string (date-time)
extendedSecurityInfo <i>required</i>	True if extended security information was used.	boolean
fileSystemOnly <i>required</i>	This is a type of recovery option.	boolean
fragments <i>optional</i>	The fragment list for all copies of the image.	< fragment > array
imageDumpLevel <i>required</i>	The NDMP dump level.	integer
imageType <i>required</i>	Identifies the image as one of the following types: 0 = REGULAR or normal backup, 1 = PRE_IMPORT or Phase 1 import of this image is completed, 2 = IT_IMPORTED or Phase 2 import of this image is completed; this value also means that an imported image was backed up.	enum (NORMAL, PRE_IMPORT, IMPORTED)
jobId <i>required</i>	The backup job ID.	integer
kbytes <i>required</i>	The number of kilobytes (KB) backed up.	integer
kbytesDataTransferred <i>required</i>	The number of bytes transferred.	integer
keyword <i>required</i>	The backup policy keyword.	string
mpx <i>required</i>	Indicates if the image is multiplexed on tape.	boolean
numCopies <i>required</i>	The number of copies of this image.	integer

numFiles <i>required</i>	The number of files backed up.	integer
numberFragments <i>required</i>	The total number of fragments including all copies, that is, the length of the "fragments" array.	integer
originMasterServer <i>required</i>	The name of the origin master server.	string
policyName <i>required</i>	The name of the backup policy.	string
policyType <i>required</i>	This value describes what agent generated the image "Standard", "Oracle", "MS-Windows", "VMware", "Hyper-V", "MS-SQL-Server", "MS-Exchange-Server", etc.	string
primaryCopy <i>required</i>	The default copy to use for restores and duplications.	integer
proxyClient <i>required</i>	The host name of the proxy client used for the backup.	string
remoteExpiration <i>required</i>	The UTC timestamp for the REMOTE expiration of this image. See "Auto Image Replication".	integer
retentionLevel <i>required</i>	The retention level of the image.	integer
scheduleName <i>required</i>	The name of the schedule used to create the backup.	string
scheduleType <i>required</i>	The type of schedule. These enums are the same as the "schedule types" in NetBackup, for example, ST_FULL, ST_DINC, ST_UBACKUP, ST_UARCHIVE and ST_CINC.	enum (FULL, DIFFERENTIAL_INCREMENTAL, USER_BACKUP, USER_ARCHIVE, CUMULATIVE_INCREMENTAL)
	Indicates that the storage	

slpCompleted <i>required</i>	lifecycle policy (SLP) has satisfied all its operations on this image.	integer
slpName <i>required</i>	The name of the SLP managing this image.	string
slpVersion <i>required</i>	The version number of the SLP managing this image.	integer
snapshotTime <i>optional</i>	The time in ISO-8601 format when the snapshot was taken.	string (date-time)
tirExpiration <i>required</i>	The UTC timestamp for the expiration of the True Image Recovery (TIR) data.	integer
version <i>required</i>	The image format version.	integer

imageDetail

Name	Schema
data <i>required</i>	image

imageList

Name	Schema
data <i>required</i>	< image > array

imageRelationships

Name	Schema
vmwareImage <i>optional</i>	vmwareImage

vmwareImage

Name	Schema
data	data

<i>required</i>	
links <i>required</i>	links

data

Name	Schema
id <i>required</i>	string
type <i>required</i>	string

links

Name	Schema
related <i>required</i>	related

related

Name	Schema
href <i>required</i>	string

vmwareImage

Name	Schema
attributes <i>required</i>	attributes
id <i>required</i>	string
links <i>required</i>	links
relationships <i>optional</i>	relationships
type <i>required</i>	string

attributes

Name	Description	Schema
backupTime <i>required</i>	The time used for backup image ID in ISO-8601 format	string (date-time)
biosUUID <i>required</i>	The BIOS UUID of the virtual machine.	string
client <i>required</i>	The name of the client protected by this image.	string
cluster <i>required</i>	The cluster that the virtual machine belongs to.	string
datacenter <i>required</i>	The data center of the virtual machine.	string
esxiServer <i>required</i>	The ESX server name of the virtual machine.	string
instanceUUID <i>required</i>	The Instance UUID of the virtual machine.	string
ipAddress <i>required</i>	The IP address of the client that is protected by this image.	string
policyName <i>required</i>	The name of the backup policy.	string
resourcePoolOrVapp <i>required</i>	The name of the resource pool or a vApp that was assigned to the VM when it was backed up. A resource pool is a way of controlling resources. A VM is always in a resource pool.	string
scheduleType <i>required</i>	The type of schedule. These enums are the same as the "schedule types" in NetBackup, for example, ST_FULL, ST_DINC, ST_UBACKUP, ST_UARCHIVE and ST_CINC.	enum (FULL, DIFFERENTIAL_INCREMENTAL, USER_BACKUP, USER_ARCHIVE, CUMULATIVE_INCREMENTAL)
vCDOrg <i>required</i>	The name of the vCloud Director Organization or tenant that a VM belonged to if the backup was a vCloud Director backup.	string

vCDOrgVDC <i>required</i>	The name of the Virtual DataCenter the VM resided in if the backup was a vCloud Director backup.	string
vCDServer <i>required</i>	The name of the vCloud Director server if the backup was a vCloud Director backup.	string
vCDVApp <i>required</i>	The name of the vApp that the VM is part of if the backup was a vCloud Director backup.	string
vCDVmName <i>required</i>	The logical name of the VM inside the vApp if the backup was a vCloud Director backup.	string
vCenter <i>required</i>	The name of the vCenter hosting the virtual machine.	string
vmDNSName <i>required</i>	The DNS name of the virtual machine.	string
vmDisplayName <i>required</i>	The display name of the virtual machine.	string
vmFolder <i>required</i>	The datastore path where the virtual machine is stored.	string
vmHostName <i>required</i>	The host name of the virtual machine.	string
vmxDatastore <i>required</i>	The name of the datastore where the VM configuration files were located.	string

links

Name	Schema
self <i>required</i>	self

self

Name	Schema
href	string

<i>required</i>	
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relationships

Name	Schema
image <i>optional</i>	image

image

Name	Schema
data <i>required</i>	data
links <i>required</i>	links

data

Name	Schema
id <i>required</i>	string
type <i>required</i>	string

links

Name	Schema
related <i>required</i>	related

related

Name	Schema
href <i>required</i>	string

vmwareImageDetail

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Name	Schema
data <i>required</i>	vmwareImage

Security

rbacSecurity

Type : apiKey

Name : Authorization

In : HEADER

NetBackup Configuration API

Overview

The NetBackup Configuration API provides access to NetBackup configuration.

Version information

Version : 1.0

URI scheme

Host : <masterserver>:1556

BasePath : /netbackup

Schemes : HTTPS

Paths

POST /config/hosts

Description

Creates a host entry in database.

Parameters

Type	Name	Description	Schema
Header	X-NetBackup-Audit-Reason <i>optional</i>	The audit reason for creating the host.	string
Body	Host Data <i>required</i>	The properties of the host to be added in the database.	postCreateHostRequest

Responses

HTTP Code	Description	Schema
201	Successfully created a host database entry. Headers : Location (string) : The URI of the created host entry.	No Content
400	Bad or invalid request.	errorResponse
401	The Authorization header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
409	The server already exists in the database.	errorResponse
415	Unsupported Media Type. The media type specified in the Content-Type header is not supported by this API.	errorResponse

Consumes

- application/vnd.netbackup+json;version=1.0

Security

Type	Name
apiKey	rbacUserSecurity

GET /config/hosts

Description

Gets all hosts information.

Responses

HTTP Code	Description	Schema
200	Successfully fetched all hosts information.	hostsResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

GET /config/hosts/hostmappings

Description

Fetches a list of hosts and the details of their host ID-to-host name mappings. The results depend on one or more parameters or conditions, such as `isapproved`, `isconflict`, `isshared`, and `isaddedmanually`. The result set is determined, if all specified conditions are true.

Parameters

Type	Name	Description	Schema
Query	isaddedmanually <i>optional</i>	Fetches a list of hosts and the details of their host ID-to-hostname mappings based on the value of the <code>isaddedmanually</code> parameter.	boolean
Query	isapproved <i>optional</i>	Fetches a list of hosts and the details of their host ID-to-host name mappings based on the value of the <code>isapproved</code> parameter.	boolean
Query	isconflict <i>optional</i>	Fetches a list of hosts and the details of their host ID-to-hostname mappings based on the value of the <code>isconflict</code> parameter.	boolean
Query	isshared	Fetches a list of hosts and the details of their host ID-to-hostname mappings based on the	boolean

	<i>optional</i>	value of the <code>issshared</code> parameter.	
Query	<code>mappedHostName</code> <i>optional</i>	Fetches a list of hosts and the details of their host ID-to-host name mappings based on the value of the <code>mappedhostname</code> parameter.	string

Responses

HTTP Code	Description	Schema
200	Successfully fetched host information.	hostsResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

GET /config/hosts/{hostId}

Description

Gets information for the specified host ID.

Parameters

Type	Name	Description	Schema
Path	<code>hostId</code> <i>required</i>	The host ID of the host.	string

Responses

HTTP Code	Description	Schema
200	Successfully retrieved host information.	hostResponse

401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	No host exists with host ID.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
<code>apiKey</code>	rbacUserSecurity

PATCH /config/hosts/{hostId}

Description

Updates information for a host with the specified host ID. Only the NetBackup administrator can update the 'autoReissue' parameter. To update all other parameters, you must have certificate authentication.

Parameters

Type	Name	Description	Schema
Header	X-NetBackup-Audit-Reason <i>optional</i>	The audit reason for updating the host properties.	string
Path	hostId <i>required</i>	Host ID of the host.	string
Body	Host Properties <i>required</i>	Properties of the host to be updated.	patchHostProperties

Responses

HTTP Code	Description	Schema
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204	Host information is successfully updated.	No Content
400	Bad or Invalid Request.	errorResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	No host associated with the specified host ID.	errorResponse
409	The host already exists.	errorResponse
415	Unsupported Media Type. The media type specified in the <code>Content-Type</code> header is not supported by this API.	errorResponse
500	An unexpected system error occurred.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

PUT /config/hosts/{hostId}/comment

Description

Updates comment for the host that is associated with the specified host ID.

Parameters

Type	Name	Description	Schema
Path	hostId <i>required</i>	The host ID of the host.	string
Body	HostCommentDetails <i>required</i>	Host-specific comment to be updated.	putHostCommentDetails

Responses

HTTP Code	Description	Schema
200	Successfully updated the host information.	No Content

400	Bad or invalid request.	errorResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	No host associated with the specified host ID exists.	errorResponse
415	Unsupported Media Type. The media type specified in the <code>Content-Type</code> header is not supported by this API.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

GET /config/hosts/{hostId}/hostmappings

Description

Fetches the details of the host ID-to-host name mappings that are associated with the specified host ID.

Parameters

Type	Name	Description	Schema
Path	hostId <i>required</i>	Specifies the host ID for which you want to add mappings.	string
Query	isapproved <i>optional</i>	Provides a list of approved or pending mappings of the host ID based on the specified parameter value.	boolean

Responses

HTTP Code	Description	Schema
200	Successfully retrieved host information.	hostMappingsDetails
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	No host exists with specified host ID.	errorResponse

406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse
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Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

PUT /config/hosts/{hostId}/hostmappings/{mappedHostName}

Description

Adds mappings for the specified host ID.

Parameters

Type	Name	Description	Schema
Header	X-NetBackup-Audit-Reason <i>optional</i>	Specifies the audit reason for adding the host ID-to-host name mapping.	string
Path	hostId <i>required</i>	Specifies the host ID for which you want to add mappings.	string
Path	mappedHostName <i>required</i>	Host ID-to-host name mapping to be added.	string
Body	HostMappingDetails <i>required</i>	The properties of the host to be mapped.	putAddHostMapping

Responses

HTTP Code	Description	Schema
200	Successfully updated the host mapping properties for the specified host ID.	No Content
201	Successfully added the host mapping to the specified host ID.	No Content
400	Invalid parameter with request payload.	errorResponse

401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
409	A conflict in the host ID-to-host name mapping was detected.	errorResponse
415	Unsupported Media Type. The media type specified in the <code>Content-Type</code> header is not supported by this API.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

DELETE /config/hosts/{hostId}/hostmappings/{mappedHostName}

Description

Deletes host mappings that are associated with the specified host ID.

Parameters

Type	Name	Description	Schema
Header	X-NetBackup-Audit-Reason <i>optional</i>	Specifies the reason for deleting the host ID-to-host name mapping.	string
Path	hostId <i>required</i>	Specifies the host ID that is associated with the mapping that you want to delete.	string
Path	mappedHostName <i>required</i>	Specifies the host ID-to-host name mapping that you want to delete.	string

Responses

HTTP Code	Description	Schema
204	Successfully deleted the host mapping for the specified host ID.	No Content
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	The specified host mapping was not found.	errorResponse

406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse
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Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
<code>apiKey</code>	rbacUserSecurity

PUT /config/hosts/{hostId}/reset

Description

Resets information for a host with **host ID** specified.

Parameters

Type	Name	Description	Schema
Header	X-NetBackup-Audit-Reason <i>optional</i>	The audit reason for resetting the host.	string
Path	hostId <i>required</i>	The host ID of the host.	string

Responses

HTTP Code	Description	Schema
200	Successfully reset the host entry.	No Content
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	No host exists with the specified host ID.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse
500	An unexpected system error occurred.	errorResponse

Security

Type	Name
apiKey	rbacUserSecurity

GET /config/hosts?name={hostName}

Description

Gets information for a host with **name** specified.

Parameters

Type	Name	Description	Schema
Query	hostName <i>required</i>	The name of the host.	string

Responses

HTTP Code	Description	Schema
200	Successfully retrieved host information.	hostResponse
401	The Authorization header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	No host exists with the specified host name.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

GET /config/policies/

Description

Lists all of the NetBackup policies.

Responses

HTTP Code	Description	Schema
200	Successfully retrieved the list of policies.	listPoliciesResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse
500	Unexpected system error.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

GET /config/policies/{policyName}

Description

Get the details for a specified Oracle policy.

Parameters

Type	Name	Description	Schema
Path	policyName <i>required</i>	The name of the policy.	string

Responses

HTTP Code	Description	Schema
200	Successfully retrieved the policy details. Headers : <code>ETag</code> (integer) : The current generation ID of the policy.	policyOracleResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse

404	The specified policy was not found.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse
500	Unexpected system error.	errorResponse
501	Not implemented for policies other than Oracle policies.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Tags

- Public

Security

Type	Name
apiKey	rbacUserSecurity

PUT /config/policies/{policyName}/backupselections

Description

Replaces the existing backup selections with the specified list of backup selections.

Parameters

Type	Name	Description	Schema
Header	If-Match <i>optional</i>	The generation ID of the policy.	string
Header	X-NetBackup-Audit-Reason <i>optional</i>	The audit reason for changing the policy.	string
Path	policyName <i>required</i>	The name of the policy.	string
Body	backupSelections <i>required</i>	The list of paths for the policy backup.	putIncludeRequest

Responses

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HTTP Code	Description	Schema
204	Successfully updated the backup selections.	No Content
400	Failed to parse the JSON body.	errorResponse
401	The Authorization header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	The specified policy was not found.	errorResponse
412	A conditional update failed because of mismatched generation IDs.	errorResponse
415	Unsupported Media Type. The media type specified in the Content-Type header is not supported by this API.	errorResponse
500	Unexpected system error.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

DELETE /config/policies/{policyName}/backupselections

Description

Removes the existing backup selections for the specified policy.

Parameters

Type	Name	Description	Schema
Header	If-Match <i>optional</i>	The generation ID of the policy.	string
Header	X-NetBackup-Audit-Reason <i>optional</i>	The audit reason for changing the policy.	string
Path	policyName <i>required</i>	The name of the policy.	string

Responses

HTTP Code	Description	Schema
204	Successfully removed the backup selection.	No Content
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	The specified policy was not found.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse
412	A conditional update failed because of mismatched generation IDs.	errorResponse
500	Unexpected system error.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

PUT /config/policies/{policyName}/clients/{clientName}

Description

Adds or modifies a client for the specified policy. It can also modify an instance group, instance, or database for the specified policy.

Parameters

Type	Name	Description	Schema
Header	If-Match <i>optional</i>	The generation ID of the policy.	string
Header	X-NetBackup-Audit-Reason <i>optional</i>	The audit reason for changing the policy.	string

Path	clientName <i>required</i>	The host name of the client.	string
Path	policyName <i>required</i>	The name of the policy.	string
Body	client <i>required</i>	The client to be backed up.	putClientRequest

Responses

HTTP Code	Description	Schema
201	Successfully added a client, instance group, instance, or database for the specified policy. Headers : ETag (integer) : The current generation ID of the policy.	No Content
204	Successfully updated the specified client in the policy.	No Content
400	Failed to parse the JSON body.	errorResponse
401	The Authorization header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	The specified policy was not found.	errorResponse
412	A conditional update failed because of mismatched generation IDs.	errorResponse
415	Unsupported Media Type. The media type specified in the Content-Type header is not supported by this API.	errorResponse
500	Unexpected system error.	errorResponse

Consumes

- application/vnd.netbackup+json;version=1.0

Security

Type	Name
apiKey	rbacUserSecurity

DELETE /config/policies/{policyName}/clients/{clientName}

Description

Removes the existing client for the specified policy.

Parameters

Type	Name	Description	Schema
Header	If-Match <i>optional</i>	The generation ID of the policy.	string
Header	X-NetBackup-Audit-Reason <i>optional</i>	The audit reason for changing the policy.	string
Path	clientName <i>required</i>	The host name of the client.	string
Path	policyName <i>required</i>	The name of the policy.	string

Responses

HTTP Code	Description	Schema
204	Successfully removed the client.	No Content
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	The specified policy or client was not found.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse
412	A conditional update failed because of mismatched generation IDs.	errorResponse
500	Unexpected system error.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

PUT /config/policies/{policyName}/schedules/{scheduleName}

Description

Adds or updates a schedule in the specified policy.

Parameters

Type	Name	Description	Schema
Header	If-Match <i>optional</i>	The generation ID of the policy.	string
Header	X-NetBackup-Audit-Reason <i>optional</i>	The audit reason for changing the policy.	string
Path	policyName <i>required</i>	The name of the policy.	string
Path	scheduleName <i>required</i>	The name of the schedule.	string
Body	schedule <i>required</i>	The policy schedule to add or update.	putScheduleRequest

Responses

HTTP Code	Description	Schema
201	Successfully created the schedule. Headers : ETag (integer) : The current generation ID of the policy.	No Content
204	Successfully updated the schedule.	No Content
400	Failed to parse the JSON body.	errorResponse
401	The Authorization header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	The specified policy was not found.	errorResponse
412	A conditional update failed because of mismatched generation IDs.	errorResponse
415	Unsupported Media Type. The media type specified in the Content-Type header is not supported by this API.	errorResponse

500	Unexpected system error.	errorResponse
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Consumes

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

DELETE /config/policies/{policyName}/schedules/{scheduleName}

Description

Removes a schedule from the specified policy.

Parameters

Type	Name	Description	Schema
Header	If-Match <i>optional</i>	The generation ID of the policy.	string
Header	X-NetBackup-Audit-Reason <i>optional</i>	The audit reason for changing the policy.	string
Path	policyName <i>required</i>	The name of the policy.	string
Path	scheduleName <i>required</i>	The name of the schedule.	string

Responses

HTTP Code	Description	Schema
204	Successfully deleted the schedule.	No Content
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	The specified policy or schedule was not found.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

412	A conditional update failed because of mismatched generation IDs.	errorResponse
500	Unexpected system error.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

POST /config/servers/vmservers

Description

Creates VM server credentials.

Parameters

Type	Name	Schema
Body	vmserver <i>required</i>	vmserver

Responses

HTTP Code	Description	Schema
201	Successfully added the VM server credentials.	No Content
400	Failed to parse the JSON body, or the entity already exists.	errorResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
415	Unsupported Media Type. The media type specified in the <code>Content-Type</code> header is not supported by this API.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Security

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Type	Name
apiKey	rbacUserSecurity

GET /config/servers/vmservers/{serverName}

Description

Lists the VM server credentials.

Parameters

Type	Name	Schema
Path	serverName <i>required</i>	string

Responses

HTTP Code	Description	Schema
200	VM server credentials found.	vmserverResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	No VM server credentials found.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

GET /config/servers/wssendpoints

Description

Lists all the hosts that serve as NetBackup WebSocket servers.

Responses

HTTP Code	Description	Schema
200	List of available hosts.	hostGenericSchemaArray
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse
503	Service unavailable.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

POST /config/servers/wsendpoints/save

Description

Adds the host to the list of NetBackup WebSocket Servers. Note: `VALIDATEHOST` or `VALIDATEURL` API needs to be called before the `SAVE` endpoint is called.

Parameters

Type	Name	Description	Schema
Body	Host configuration <i>required</i>	The details for the host.	hostGenericSchema

Responses

HTTP Code	Description	Schema
201	The host was added successfully to the list of NetBackup WebSocket Servers.	emptyResponse
400	Bad request.	errorResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
415	Unsupported Media Type. The media type specified in the <code>Content-Type</code> header is not supported by this API.	errorResponse

500	The certificate did not match with the one accepted by the user.	errorResponse
503	Service unavailable.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

POST /config/servers/wsendpoints/update

Description

Updates the state of the specified host in the WebSocket Servers list. Note: SAVE API needs to be called before the update API is called.

Parameters

Type	Name	Description	Schema
Body	Host configuration <i>required</i>	The hostname and state to update.	updateHostSchema

Responses

HTTP Code	Description	Schema
200	Host details saved successfully.	emptyResponse
400	Bad request.	errorResponse
401	The Authorization header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
415	Unsupported Media Type. The media type specified in the Content-Type header is not supported by this API.	errorResponse
500	An unexpected system error occurred.	errorResponse
503	Communication with the Enterprise Media Manager failed.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

POST /config/servers/wsendpoints/validatehost

Description

Checks if the host is valid using the information provided in the JSON file.

Parameters

Type	Name	Description	Schema
Body	Host configuration <i>required</i>	The details for the host.	hostGenericSchema

Responses

HTTP Code	Description	Schema
200	Host validation successful.	hostGenericSchema
400	Bad request.	errorResponse
401	The Authorization header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
406	Invalid Accept type. Make sure your Accept header matches what this API produces.	errorResponse
415	Unsupported Media Type. The media type specified in the Content-Type header is not supported by this API.	errorResponse
500	Unable to establish a connection to the specified URL.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

POST /config/servers/wsendpoints/validateurl

Description

Checks if the host is valid using the URL provided.

Parameters

Type	Name	Description	Schema
Body	URL <i>required</i>	The NetBackup WebSocket Service (WSS) endpoint URL.	urlSchema

Responses

HTTP Code	Description	Schema
200	Host validation successful.	hostGenericSchema
400	Bad request.	errorResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse
415	Unsupported Media Type. The media type specified in the <code>Content-Type</code> header is not supported by this API.	errorResponse
500	An unexpected system error occurred.	errorResponse
503	Communication with the Enterprise Media Manager server failed.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

DELETE /config/servers/wssendpoints/{hostName}

Description

Deletes the specified host name from the NetBackup WebSocket servers list.

Parameters

Type	Name	Description	Schema
Path	hostName <i>required</i>	The host name of the host to delete.	string

Responses

HTTP Code	Description	Schema
200	The host name was deleted successfully.	emptyResponse
401	The Authorization header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	The host name could not be found.	emptyResponse
415	Unsupported Media Type. The media type specified in the Content-Type header is not supported by this API.	errorResponse
503	Service unavailable.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Definitions

emptyResponse

Type : object

errorResponse

Name	Description	Schema
errorCode <i>required</i>	The NetBackup error code.	integer (int64)
errorMessage <i>required</i>	The NetBackup error code description.	string

hostGenericSchema

Name	Description	Schema
certificate <i>required</i>	The signing certificate that is provided by the master server to establish a secure connection.	string
connectionState <i>optional</i>	Indicates whether or not the host is connected. Possible values are null, connected, and disconnected.	enum (CONNECTED, DISCONNECTED)
groupId <i>required</i>	The group identifier of the host.	string
hostName <i>required</i>	The host name for the communicating host.	string
priority <i>required</i>	Specifies the order in which to attempt to connect to the host. NetBackup attempts to connect to the host that has the highest priority.	integer
state <i>optional</i>	Indicates the state of the host. Possible values are null, activated, and deactivated.	enum (ACTIVATED, DEACTIVATED)
token <i>required</i>	The authentication token that is required to make API calls.	string
url <i>required</i>	The NetBackup WebSocket Service (WSS) endpoint URL.	string

hostGenericSchemaArray

Type : < [hostGenericSchema](#) > array

hostMappingsDetails

Name	Description	Schema
hostMappings <i>optional</i>	The list of host mappings associated with the specified host.	< mappingDetails > array
timeToLiveInMin <i>optional</i>	The time duration (in minutes) for which the response provided by the URI is valid.	integer

hostResponse

Name	Description	Schema

Name	Description	Schema
autoReissue <i>required</i>	Specifies whether the host requires a reissue token to reissue a certificate or not.	boolean
autoReissueDuration <i>required</i>	The time duration (in milliseconds) for which the certificate can be deployed on the host without requiring a reissue token.	number
comment <i>required</i>	Comment provided for the host.	string
cpuArchitecture <i>required</i>	The CPU architecture of the host.	string
createdDateTime <i>required</i>	The time that the host entry was made, in UTC.	integer
hostMappings <i>required</i>	The list of host mappings that are associated with the host.	< mappingDetails > array
hostName <i>required</i>	The name of the host.	string
hwDescription <i>required</i>	The hardware description of the host.	string
installedEEBs <i>required</i>	The NetBackup EEBs that are installed on the host.	string
isSecureEnabled <i>required</i>	Specifies whether the host can communicate securely or not.	boolean
lastUpdatedDateTime <i>required</i>	The time when the host entry was last updated, in UTC.	integer
masterServer <i>required</i>	The NetBackup master server that is associated with the host.	string
nbuVersion <i>required</i>	The NetBackup version on the host.	string
osType <i>required</i>	The operating system type of the host.	string
osVersion <i>required</i>	The operating system of the host.	string
servers <i>required</i>	A list of servers associated with the host.	< string > array

uuid <i>required</i>	The unique ID of the host.	string
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hostStatus

Name	Description	Schema
connectionDecision <i>required</i>	Specifies whether the connection between the hosts should proceed or should be dropped. The master server sends either of the following connection decisions: CONTINUE, DROP Communication between the hosts is proceeded or dropped depending on the connection decision.	enum (CONTINUE, DROP)
errorCode <i>required</i>	The NetBackup error code.	integer
errorMessage <i>required</i>	NetBackup error code string that describes the error code.	string
hostId <i>optional</i>	The host ID of the peer host.	string
timeToLiveInMin <i>required</i>	The time duration (in minutes) for which the response provided by the URI is valid.	integer

hostsResponse

Name	Schema
hosts <i>optional</i>	< hostResponse > array

listPoliciesResponse

Name	Schema
data <i>optional</i>	< data > array

data

Name	Description	Schema
attributes		object

<i>optional</i>		
id <i>optional</i>	The name of the policy.	string
links <i>optional</i>	A list of URIs to get more information about each policy.	links
type <i>optional</i>	The type of the policy.	string

links

Name	Schema
self <i>optional</i>	self

self

Name	Description	Schema
href <i>optional</i>	A link to the policy details.	string

mappingDetails

Name	Description	Schema
createdOn <i>required</i>	The time the host ID-to-host name mapping was created, in UTC.	integer (int64)
isAddedManually <i>required</i>	Specifies whether the mapping was added manually or not.	boolean
isApproved <i>required</i>	Specifies whether the new mapping is approved or not.	boolean
isConflicting <i>required</i>	Specifies whether mapping already exists for another host ID.	boolean
isShared <i>required</i>	Specifies whether the mapping is shared across hosts.	boolean
mappedHostName <i>required</i>	The name of the mapped host that is associated with the mapping details.	string
		enum

origin <i>required</i>	Specifies how the host ID-to-host name mapping was added.	(CERTIFICATE_DEPLOYMENT, USER_ADDED, HOST_DISCOVERY, COMMUNICATION_DISCOVERY, ADD_HOST)
updatedOn <i>required</i>	Specifies the time when the host ID-to-host name mapping was last updated.	integer (int64)

patchHostProperties

Name	Description	Schema
autoReissue <i>optional</i>	Specifies whether or not an automatic reissue of the certificate is allowed. If this parameter is set and is valid, a certificate can be deployed on the host without requiring a reissue token.	boolean
clusterSharedNames <i>optional</i>	A list of cluster shared names that are associated with the host. This is an optional field. Host Mappings only get ADDED if "clusterSharedNames" is specified. Administrator approval is required for the new cluster shared name.	< string > array
cpuArchitecture <i>optional</i>	The CPU architecture of the host.	string
hostName <i>optional</i>	The name of the host.	string
hwDescription <i>optional</i>	The hardware description of the host.	string
installedEEBs <i>optional</i>	The NetBackup EEBs installed on the host.	string
isSecureEnabled <i>optional</i>	Specifies whether or not the host can communicate securely.	boolean
masterServer <i>optional</i>	The NetBackup master server that is associated with the host.	string
nbuVersion <i>optional</i>	The NetBackup version on the host.	string
osType <i>optional</i>	The operating system type of the host.	string

osVersion <i>optional</i>	The operating system of the host.	string
servers <i>optional</i>	A list of servers associated with the host.	< string > array

peerHostInfo

Name	Description	Schema
hostId <i>optional</i>	The host ID of the discovered peer host.	string
hostName <i>required</i>	The name of the peer host that is used for the connection.	string

policy

Name	Description	Schema
backupSelections <i>optional</i>	The pathnames and directives reflecting data to be backed up for the Oracle elements covered by this policy.	backupSelections
clients <i>optional</i>	The list of client information.	< clients > array
policyAttributes <i>optional</i>	The attributes of the policy.	policyAttributes
policyName <i>optional</i>	The name of the policy.	string
policyType <i>optional</i>	The type of the policy.	string
schedules <i>optional</i>	The list of schedules information.	< schedules > array

backupSelections

Name	Schema
selections <i>optional</i>	< string > array

clients

Name	Description	Schema
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Name	Description	Schema
OS <i>optional</i>	The host's operating system.	enum (HP-UX11.31, Debian2.6.18, RedHat2.6.18, SuSE3.0.76, IBMzSeriesRedHat2.6.18, IBMzSeriesSuSE3.0.76, NDMP, NetWare, OpenVMS_I64, AIX6, Solaris10, Solaris_x86_10_64, Windows, Windows10, Windows2003, Windows2008, Windows2012, Windows2012_R2, Windows2016, Windows7, Windows8, Windows8.1, WindowsVista, WindowsXP)
databaseName <i>optional</i>	The name of the database to be used with Protect Instances and Databases.	string
hardware <i>optional</i>	The host's hardware.	enum (HP-UX-IA64, Linux, Linux-s390x, NDMP, Novell, OpenVMS4, RS6000, Solaris, Windows-x64, Windows-x86)
hostName <i>optional</i>	The name of the host to be backed up.	string
instanceGroup <i>optional</i>	The name of the instance group to be backed up.	string
instanceName <i>optional</i>	The name of the instance to be used with Protect Instances and Databases.	string

policyAttributes

Name	Description	Schema
active <i>optional</i>	Indicates if the policy is active or disabled.	boolean

<p>alternateClientHostname <i>optional</i></p>	<p>If performing off-host backups with an alternate client, the name of the alternate client (or a supported directive, such as MEDIA_SERVER).</p>	<p>string</p>
<p>archivedRedoLogOptions <i>optional</i></p>	<p>A collection of optional specifications related to archived redo logs. Not used with the 'Clients for use with scripts or templates' client selection type.</p>	<p>archivedRedoLogOptions</p>
<p>backupFileNameFormatOverrides <i>optional</i></p>	<p>Optional overrides to the default formats for the various backup file names. Ensure that the format specified for all RMAN backup piece names ends with <code>_%t</code> to guarantee that each backup piece has a unique name in the catalog.</p>	<p>backupFileNameFormatOverrides</p>
<p>backupSelectionType <i>optional</i></p>	<p>The backup selection type within Oracle that the selections belong to.</p>	<p>enum (Whole Database, Whole Database - Datafile Copy Share, Partial database - Tablespace, Partial database - Datafiles, Fast Recovery Area (FRA), Legacy Client with scripts or templates, Database Backup Shares)</p>
<p>backupSetIdentifier <i>optional</i></p>	<p>A user-specified tag name for a backup set, proxy copy, data file copy, or control file copy. This value maps to the Oracle property TAG. Not used with the 'Clients for use with scripts or templates' client selection type.</p>	<p>string</p>
<p>blockIncremental <i>optional</i></p>	<p>Indicates whether the policy performs block level incremental backups.</p>	<p>boolean</p>
<p>clientCompress</p>	<p>Indicates if the backup is</p>	

<i>optional</i>	compressed.	boolean
clientEncrypt <i>optional</i>	Indicates if the backup is encrypted.	boolean
clientType <i>optional</i>	The type of Oracle elements targeted for backup under this policy.	enum (Protect Instances and Databases, Protect Instance Groups, Clients)
dataClassification <i>optional</i>	An optional classification tag. NetBackup comes with Bronze, Silver, Gold, and Platinum tags defined, but these values can be customized.	string
dataMoverMachine <i>optional</i>	For off-host backups using Data Mover, this reflects the Data Mover type.	enum (None (not using off-host backups with Data Mover), Third Party Copy Device, NetBackup Media Server, Network Attached Storage, NDMP)
databaseBackupShareOptions <i>optional</i>	For the 'Database Backup Shares' backup selection scope type, a collection of optional specifications for the point when backup sets and backup copies are automatically deleted from the appliance share.	databaseBackupShareOptions
datafileCopyTag <i>optional</i>	For the 'Whole Database - Datafile Copy Share' backup selection scope type, a user-specified tag name associated with data files that are located on the appliance.	string
disableClientSideDeduplication <i>optional</i>	Indicates if client side deduplication is disabled.	boolean
effectiveDateUTC <i>optional</i>	The date and time the policy goes into effect, in UTC format.	integer
	Indicates whether NetBackup will back up or	

followNFSMounts <i>optional</i>	archive any Network File System (NFS) mounts that are named in the backup selection list, or by the user in the case of a user backup or archive.	boolean
jobLimit <i>optional</i>	The maximum number of jobs originating from this policy that can be running concurrently at any given time. If 0, no maximum is enforced.	integer
keyword <i>optional</i>	An optional keyword phrase.	string
maximumLimits <i>optional</i>	A collection of optional I/O and backup set limits. A value of 0 indicates that the limit is not enabled. Not used with the 'Clients for use with scripts or templates' client selection type.	maximumLimits
mediaOwner <i>optional</i>	The media server or group that owns the media.	string
offhostBackup <i>optional</i>	Indicates if the backup is an off-host backup.	boolean
offlineDatabaseBackup <i>optional</i>	If enabled, the Oracle database is shut down and put into the mount state. Not used with the 'Clients for use with scripts or templates' client selection type.	boolean
parallelStreams <i>optional</i>	The number of parallel backup streams that can be used in a backup operation. Not used with the 'Clients for use with scripts or templates' client selection type. Minimum value : 1 Maximum value : 255	integer

priority <i>optional</i>	The priority of jobs associated with this policy. The higher the number, the higher the priority (relative to other NetBackup jobs).	integer
readOnlyTablespaceOptions <i>optional</i>	If specified, overrides the default Oracle read-only tablespace options. Not used with the 'Clients for use with scripts or templates' client selection type.	enum (Skip, Force)
retainSnapshot <i>optional</i>	Indicates the snapshot is retained for instant recovery or for storage lifecycle policy (SLP) management. This parameter only applies to snapshot backups.	boolean
skipOfflineDatafiles <i>optional</i>	If enabled, offline data files are skipped during the backup. This parameter is not used with the <code>backupSelectionType</code> value <code>Legacy client with scripts or templates</code> .	boolean
snapshotBackup <i>optional</i>	Indicates whether this is a snapshot backup (frozen image).	boolean
storage <i>optional</i>	The name of the storage unit that is associated with the policy.	string
storageIsSLP <i>optional</i>	Indicates if the storage unit is a storage lifecycle policy (SLP).	boolean
useAccelerator <i>optional</i>	Flag reflecting if NetBackup Accelerator is used.	boolean
	Indicates if Replication	

useReplicationDirector <i>optional</i>	Director is used to manage hardware snapshots.	boolean
volumePool <i>optional</i>	The volume pool that is associated with the policy.	enum (NetBackup, DataStore)

archivedRedoLogOptions

Name	Description	Schema
backupSetSize <i>optional</i>	In kilobytes (KB), the maximum size for a backup set of archived redo logs. A value of 0 indicates that the limit is not enabled.	integer
deleteAfterMakingCopies <i>optional</i>	If non-zero, archived redo logs are deleted after the specified number of copies are successful.	integer
filesPerBackupSet <i>optional</i>	The maximum number of archived redo log files to include in each output backup set. A value of 0 indicates that the limit is not enabled.	integer
include <i>optional</i>	If enabled, archived redo logs are included in full and incremental schedules.	boolean
parallelStreams <i>optional</i>	The maximum number of connections between RMAN and a database instance. Minimum value : 1 Maximum value : 255	integer

backupFileNameFormatOverrides

Name	Description	Schema
archivedRedoLogs <i>optional</i>	Default : "arch_d%d_u%u_s%s_p%p_t%t"	string
controlFile <i>optional</i>	Default : "ctrl_d%d_u%u_s%s_p%p_t%t"	string
datafiles <i>optional</i>	Default : "bk_d%d_u%u_s%s_p%p_t%t"	string
fastRecoveryArea <i>optional</i>	Default : "fra_d%d_u%u_s%s_p%p_t%t"	string

databaseBackupShareOptions

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Name	Description	Schema
deleteProtectedBackupCopiesMinutes <i>optional</i>	The number of minutes to pass before protected backup copies are automatically deleted.	integer
deleteProtectedBackupSetsMinutes <i>optional</i>	The number of minutes to pass before protected backup sets are automatically deleted.	integer

maximumLimits

Name	Description	Schema
backupPiece <i>optional</i>	In kilobytes (KB), the maximum size of each backup piece that is created on this channel. Maps to the Oracle MAXPIECESIZE property.	integer
backupSetSize <i>optional</i>	In kilobytes (KB), the maximum size for a backup set. Maps to the Oracle MAXSETSIZE property.	integer
filesPerBackupSet <i>optional</i>	The maximum number of input files to include in each output backup set. Maps to the Oracle FILESPERSET property.	integer
openFiles <i>optional</i>	The maximum number of input files that the backup operation can have open at any given time. Maps to the Oracle MAXOPENFILES property.	integer
readRate <i>optional</i>	The maximum number of kilobytes (KB) that RMAN reads each second on this channel. Maps to the Oracle RATE property.	integer

schedules

Name	Description	Schema
acceleratorForcedRescan <i>optional</i>	Indicates if file checksums are stored to aid in change detection. This parameter applies only to NetBackup Accelerator backups.	boolean
backupCopies <i>optional</i>	The copy details for the policy. Entry 1 reflects the primary schedule copy, which is always enabled. Entries 2-4 reflect (optional) additional copies.	backupCopies
		enum (Application)

backupType <i>optional</i>	The backup type of the schedule.	Backup, Archived Redo Log Backup, Cumulative Incremental Backup, Differential Incremental Backup, Full Backup)
excludeDates <i>optional</i>	Recurring days of the week, recurring days of the month, and exact dates on which this policy does not run. This parameter only applies to calendar-based schedules	excludeDates
frequencySeconds <i>optional</i>	For frequency schedule types, the frequency at which to perform the backup, in seconds.	integer
includeDates <i>optional</i>	Recurring days of the week, recurring days of the month, and exact dates on which this policy does run. This parameter only applies to calendar-based schedules	includeDates
mediaMultiplexing <i>optional</i>	The maximum number of jobs from the schedule that NetBackup can multiplex onto any one drive. Valid values are 1 (no multiplexing) to 32.	integer
retentionLevel <i>optional</i>	The retention level that is associated with the schedule. Possible values are 0 - 100.	integer
retriesAllowedAfterRunDay <i>optional</i>	Indicates if backups can retry on any day there is an open backup window. This parameter only applies to calendar-based schedules.	boolean
scheduleName <i>optional</i>	The name of the schedule.	string
scheduleType <i>optional</i>	The type of the schedule.	enum (Calendar, Frequency)
snapshotOnly <i>optional</i>	Indicates if NetBackup should create only an Instant Recovery snapshot (leaving the storage unit unused). If disabled, NetBackup both creates a snapshot and copies the snapshot to a storage unit.	boolean
	The window during which the backup is	

startWindow <i>optional</i>	allowed to start. Each day of the week is defined independently. Entry 1 is Sunday, entry 2 is Monday, and so on.	< startWindow > array
storageIsSLP <i>optional</i>	Indicates if the storage unit is a storage lifecycle policy (SLP).	boolean
syntheticBackup <i>optional</i>	Specifies if a synthetic backup is performed.	boolean

backupCopies

Name	Description	Schema
copies <i>optional</i>	The list of copy information.	< copies > array
priority <i>optional</i>	The priority of jobs that are associated with any additional copies that are specified. The higher the number, the higher the priority (relative to other NetBackup jobs). Note this has no impact on the primary copy.	integer

copies

Name	Description	Schema
failStrategy <i>optional</i>	The approach taken if a particular image fails to copy.	integer
mediaOwner <i>optional</i>	The media server or group that owns this copy.	string
retentionLevel <i>optional</i>	The retention level for the copy.	integer
storage <i>optional</i>	The name of the storage unit that is associated with the copy.	string
volumePool <i>optional</i>	The name of the volume pool that is associated with the copy.	string

excludeDates

Name	Description	Schema
lastDayOfMonth <i>optional</i>	Indicates if the last day of the month is excluded.	boolean

recurringDaysOfMonth <i>optional</i>	Recurring days of the month.	< integer > array
recurringDaysOfWeek <i>optional</i>	Recurring days of a week.	< string > array
specificDates <i>optional</i>	A list of specific dates.	< string > array

includeDates

Name	Description	Schema
lastDayOfMonth <i>optional</i>	Indicates if the last day of the month is included.	boolean
recurringDaysOfMonth <i>optional</i>	Recurring days of the month.	< integer > array
recurringDaysOfWeek <i>optional</i>	Recurring days of a week.	< string > array
specificDates <i>optional</i>	A list of specific dates.	< string > array

startWindow

Name	Description	Schema
dayOfWeek <i>optional</i>	The day of the week the backup window starts. Possible values for DAY are 1 (Sunday) through 7 (Saturday).	integer
durationSeconds <i>optional</i>	The duration of the backup window expressed in seconds.	integer
startSeconds <i>optional</i>	The start time of the backup window, expressed in seconds elapsed since the beginning of the day.	integer

policyOracleResponse

Name	Schema
data <i>optional</i>	data

data

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Name	Description	Schema
attributes <i>optional</i>	The attributes of the policy.	attributes
id <i>optional</i>	The policy name.	string
links <i>optional</i>	The links to the URLs for the details on each policy.	links
type <i>optional</i>		string

attributes

Name	Schema
policy <i>optional</i>	policy

links

Name	Schema
self <i>optional</i>	self

self

Name	Description	Schema
href <i>optional</i>	The URI to get details for the policy.	string

postCreateHostRequest

Name	Description	Schema
cpuArchitecture <i>optional</i>	The CPU architecture of the host.	string
hostMappings <i>optional</i>	The list of host mappings that are associated with the host.	< hostMappings > array
hostName <i>required</i>	The name of the host.	string

hwDescription <i>optional</i>	The hardware description of the host.	string
installedEEBs <i>optional</i>	The NetBackup EEBs installed on the host.	string
isSecureEnabled <i>optional</i>	Specifies whether the host can communicate securely or not.	boolean
masterServer <i>optional</i>	The NetBackup master server that is associated with the host.	string
nbuVersion <i>optional</i>	The NetBackup version on the host.	string
osType <i>optional</i>	The operating system type of the host.	string
osVersion <i>optional</i>	The operating system of the host.	string
servers <i>optional</i>	The list of servers associated with the host.	< string > array

hostMappings

Name	Description	Schema
mappedHostName <i>optional</i>	The name of the mapped host for which the details are provided.	string

postRecreateHostRequest

Name	Description	Schema
cpuArchitecture <i>optional</i>	The CPU architecture of the host.	string
hostMappings <i>optional</i>	The list of host mappings that are associated with the host.	< hostMappings > array
hostName <i>required</i>	The name of the host.	string
hwDescription <i>optional</i>	The hardware description of the host.	string
installedEEBs	The NetBackup EEBs installed on the host.	string

<i>optional</i>		
isSecureEnabled <i>optional</i>	Specifies whether the host can communicate securely or not.	boolean
masterServer <i>optional</i>	The NetBackup master server that is associated with the host.	string
nbuVersion <i>optional</i>	The NetBackup version on the host.	string
osType <i>optional</i>	The operating system type of the host.	string
osVersion <i>optional</i>	The operating system of the host.	string
servers <i>optional</i>	The list of servers associated with the host.	< string > array
uuid <i>required</i>	The UUID of the host.	string

hostMappings

Name	Description	Schema
mappedHostName <i>optional</i>	The name of the mapped host for which the details are provided.	string

putAddHostMapping

Name	Description	Schema
isApproved <i>optional</i>	Specifies whether or not the mapping is approved. This field is optional.	boolean
isShared <i>required</i>	Specifies whether the mapping is shared between two or more host IDs.	boolean

putClientRequest

By default, the `clientType` for a policy is `Clients`. For Intelligent Policies, select either `Protect Instances and Databases` or `Protect Instance Groups`.

Name	Description	Schema
data		

<i>required</i>	The data about the client.	data
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data

Name	Description	Schema
attributes <i>required</i>	The attributes for the host, instance, or instance database. These attributes do not apply for instance groups.	attributes
id <i>required</i>	For hosts or instance databases, this value is the host name. For instance groups, this value is the instance group.	string
type <i>required</i>	The resource type. Must be set to <code>client</code> .	string

attributes

Name	Description	Schema
OS <i>optional</i>	The host's operating system.	enum (HP-UX11.31, Debian2.6.18, RedHat2.6.18, SuSE3.0.76, IBMzSeriesRedHat2.6.18, IBMzSeriesSuSE3.0.76, NDMP, NetWare, OpenVMS_I64, AIX6, Solaris10, Solaris_x86_10_64, Windows, Windows10, Windows2003, Windows2008, Windows2012, Windows2012_R2, Windows2016, Windows7, Windows8, Windows8.1, WindowsVista, WindowsXP)
databaseName <i>optional</i>	The name of the database. This property only applies for the <code>clientType</code> value <code>Protect Instances and Databases</code> .	string
hardware		enum (HP-UX-IA64, Linux, Linux-s390x, NDMP, Novell,

<i>optional</i>	The host's hardware.	OpenVMS4, RS6000, Solaris, Windows-x64, Windows-x86)
instanceName <i>optional</i>	The name of the instance. This property only applies for the clientType value Protect Instances and Databases.	string

putHostCommentDetails

Name	Description	Schema
comment <i>optional</i>	Host-specific comment to be updated.	string

putIncludeRequest

Name	Schema
data <i>required</i>	data

data

Name	Description	Schema
attributes <i>required</i>		attributes
type <i>required</i>	The resource type. Must be set to "backupSelection".	string

attributes

Name	Schema
selections <i>required</i>	< string > array

putScheduleRequest

Name	Schema
data <i>required</i>	data

data

Name	Description	Schema
attributes <i>required</i>		attributes
id <i>required</i>	The name of the schedule.	string
type <i>required</i>	The resource type. Must be set to "schedule".	string

attributes

Name	Description	Schema
acceleratorForcedRescan <i>required</i>	Indicates if file checksums are stored to aid in change detection. Applicable only to NetBackup Accelerator backups.	boolean
backupCopies <i>required</i>	The copy details for the policy. Entry 1 reflects the primary schedule copy, which is always enabled. Entries 2-4 reflect (optional) additional copies. The use of multiple copies is inferred from number of copies specified (Valid values 1-not used 2-4-used) (default in policy file is 0).	backupCopies
backupType <i>required</i>	The backup type of the schedule.	enum (Archived Redo Log Backup, Automatic Backup, Automatic Full Backup, Automatic Vault, Automatic Cumulative Incremental Backup, Automatic Differential Incremental Backup, Automatic

		Incremental Backup, Application Backup, Cumulative Incremental Backup, Differential Incremental Backup, Full Backup, Transaction Log Backup, User Archive, User Backup)
excludeDates <i>required</i>	Recurring days of the week, recurring days of the month, and exact dates on which this policy will not run.	excludeDates
frequencySeconds <i>required</i>	For frequency schedule types, the frequency at which to perform the backup, in seconds.	integer
includeDates <i>required</i>	Recurring days of the week, recurring days of the month, and exact dates on which this policy will run. Applicable only to calendar schedule types.	includeDates
mediaMultiplexing <i>required</i>	The maximum number of jobs from the schedule that NetBackup can multiplex onto any one drive. Valid values are 1 (no multiplexing) to 32.	integer
retentionLevel <i>required</i>	The retention level associated with the schedule. Possible values are 0 - 100.	integer
retriesAllowedAfterRunDay <i>required</i>	Indicates if backups can retry on any day there is an open backup window. Applicable only for the calendar schedule type.	boolean
scheduleType <i>required</i>	The type of the schedule.	enum (Calendar, Frequency)
snapshotOnly <i>required</i>	Indicates if NetBackup should create only an Instant Recovery snapshot (leaving the storage unit unused). If disabled, NetBackup both creates a snapshot and copies the snapshot to a storage unit.	boolean

startWindow <i>required</i>	The window during which the backup is allowed to start. Each day of the week is defined independently. Entry 1 is Sunday, entry 2 is Monday, and so on.	< startWindow > array
syntheticBackup <i>required</i>	Indicates if NetBackup performs a synthetic backup.	boolean

backupCopies

Name	Description	Schema
copies <i>required</i>		< copies > array
priority <i>required</i>	The priority of jobs associated with any additional copies specified. The higher the number, the higher the priority (relative to other NetBackup jobs). Note this has no impact on the primary copy.	integer

copies

Name	Description	Schema
failStrategy <i>optional</i>	The approach taken if a particular image fails to copy.	enum (Continue, Fail All Copies)
mediaOwner <i>optional</i>	The media server or group that owns this copy.	string
retentionLevel <i>optional</i>	The retention level for the copy.	integer
storage <i>optional</i>	The name of the storage unit associated with the copy.	string
volumePool <i>optional</i>	The name of the volume pool associated with the copy.	string

excludeDates

Name	Description	Schema
lastDayOfMonth <i>required</i>	Indicates if the last day of the month is included.	boolean
recurringDaysOfMonth <i>required</i>	Recurring days of the month.	< integer > array

recurringDaysOfWeek <i>required</i>	Recurring days of a week.	< string > array
specificDates <i>required</i>	A list of specific dates.	< string > array

includeDates

Name	Description	Schema
lastDayOfMonth <i>required</i>	Indicates if the last day of the month is included.	boolean
recurringDaysOfMonth <i>required</i>	Recurring days of the month.	< integer > array
recurringDaysOfWeek <i>required</i>	Recurring days of a week.	< string > array
specificDates <i>required</i>	A list of specific dates.	< string > array

startWindow

Name	Description	Schema
dayOfWeek <i>required</i>	The day of the week the backup window starts. Possible values for DAY are 1 (Sunday) through 7 (Saturday).	integer
durationSeconds <i>required</i>	The duration of the backup window expressed in seconds.	integer
startSeconds <i>required</i>	The start time of the backup window, expressed in seconds elapsed since the beginning of the day.	integer

updateHostSchema

Name	Description	Schema
hostName <i>required</i>	The identifier for the communicating host.	string
state <i>required</i>	Indicates the state of the host. Possible values are activated, deactivated.	enum (ACTIVATED, DEACTIVATED)

urlSchema

Name	Description	Schema
url <i>required</i>	The URL of the WebSocket endpoint that NetBackup connects to.	string

vmserver

Name	Description	Schema
password <i>required</i>	The password for the credentials.	string
port <i>optional</i>	The port used to connect to the server.	integer
serverName <i>required</i>	The name of the VM server.	string
userId <i>required</i>	The username for the credentials.	string
vmType <i>required</i>	The type of VM server.	enum (VMWARE_VIRTUAL_CENTER_SERVER, VMWARE_ESX_SERVER, VMWARE_RESTORE_ESX_SERVER, VMWARE_VCLOUD_DIRECTOR, HYPERV_SERVER, SYSTEM_CENTER_VMM_SERVER, HYPERV_CLUSTER_SERVER, HYPERSCALE_SERVER)

vmserverResponse

Name	Description	Schema
links <i>optional</i>	A link to the newly created resource.	< links > array
vmServer <i>optional</i>		vmserver

links

Name	Description	Schema

href <i>optional</i>	The URI to retrieve information about the VM server.	string (url)
rel <i>optional</i>	The relationship of the link to the specified VM server. This value is always "self".	string

Security

rbacCertSecurity

Type : apiKey

Name : Authorization

In : HEADER

rbacUserSecurity

Type : apiKey

Name : Authorization

In : HEADER

NetBackup Recovery API

Overview

The NetBackup Recovery API provides the ability to perform a recovery from previous backups.

Version information

Version : 1.0

URI scheme

Host : <masterserver>:1556

BasePath : /netbackup

Schemes : HTTPS

Paths

POST /recovery/workloads/vmware/scenarios/full-vm/recover

Description

Recovers a full VMware virtual machine.

Parameters

Type	Name	Description	Schema
Body	recoveryRequest <i>required</i>	The request for a full VMware VM recovery.	vmwareFullVmRecoveryRequest

Responses

HTTP Code	Description	Schema
201	The recovery job started successfully. Headers : Location (string) : Contains the link to the created recovery job.	recoveryResponse
400	Bad request. The request JSON has an invalid syntax or illegal values.	errorResponse
401	The Authorization header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	Not found. The specified client or backup image was not found.	errorResponse
405	Method not allowed. The specified HTTP operation is invalid.	errorResponse
406	Invalid Accept type. Make sure your Accept header matches what this API produces.	errorResponse
415	Unsupported Media Type. The media type specified in the Content-Type header is not supported by this API.	errorResponse
500	Internal server error. Failed to start recovery.	errorResponse
503	The server is busy. Failed to start recovery.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacSecurity

Example HTTP request

Request body

```
{
  "data" : {
    "type" : "recoveryRequest",
    "attributes" : {
      "recoveryPoint" : {
        "client" : "example-vm",
        "filter" : "backupTime ge '2016-11-20T23:20:50Z' and backupTime le '2016-12-20T23:20:50Z'"
      },
      "recoveryObject" : {
        "vmDisplayName" : "copy-of-example-vm",
        "vmDisks" : [ {
          "source" : "/example-DS1/example-vm/example-disk1.vmdk",
          "destination" : "/example-DS2/example-vm/example-disk1.vmdk"
        }, {
          "source" : "/example-DS1/example-vm/example-disk2.vmdk",
          "destination" : "/example-DS2/example-vm/example-disk2.vmdk"
        } ],
        "vmEnvironment" : {
          "vCenter" : "vcenter-server.example.com",
          "esxiServer" : "esx-server.example.com",
          "datacenter" : "/example-DC",
          "vmFolder" : "/example-DC/vm",
          "resourcePoolOrVapp" : "/example-DC/host/esx.example.com/Resources/example-res-pool",
          "vmxDatastore" : "example-DS",
          "network" : "VM Network"
        }
      },
      "recoveryOptions" : {
        "defaultVmDiskProvisioning" : "thin",
        "recoveryHost" : "recovery-proxy.example.com",
        "diskMediaServer" : "media-server.example.com",
        "transportMode" : "san:hotadd:nbd:nbdssl",
        "overwriteExistingVm" : true,
        "powerOnAfterRecovery" : true,
        "recoverToVmxDatastore" : true,
        "removeBackingInformation" : true,
        "removeNetworkInterfaces" : true,
        "removeTagAssociations" : true,
        "retainHardwareVersion" : true,
        "retainInstanceUuid" : true,
      }
    }
  }
}
```

```

        "retainBiosUuid" : true
    }
}
}
}

```

Example HTTP response

Response 201

```

{
  "data" : {
    "type" : "recoveryResponse",
    "id" : 42,
    "attributes" : {
      "msg" : "Recovery job started successfully"
    }
  },
  "relationships" : {
    "recoveryJob" : {
      "links" : {
        "related" : "/admin/jobs",
        "self" : "/admin/jobs/42"
      },
      "data" : {
        "type" : "job",
        "id" : 42
      }
    }
  }
}

```

Definitions

errorResponse

Name	Description	Schema
errorCode <i>required</i>	The NetBackup error code.	integer (int64)
errorMessage <i>required</i>	The NetBackup error code description.	string

recoveryResponse

The recovery response.

Name	Description	Schema
data <i>required</i>	Contains the recovery response data.	data
relationships <i>required</i>	Contains the resources related to the recovery operation, such as <code>recoveryJob</code> .	relationships

data

Name	Description	Schema
attributes <i>required</i>	Contains the recovery response attributes.	attributes
id <i>required</i>	The response identifier.	integer (int64)
type <i>required</i>	The response type. Default : <code>"recoveryResponse"</code>	string

attributes

Name	Description	Schema
msg <i>required</i>	The response message.	string

relationships

Name	Description	Schema
recoveryJob <i>required</i>	Represents the job created by this recovery operation.	recoveryJob

recoveryJob

Name	Description	Schema
data <i>required</i>	Contains the recovery job data.	data
links <i>required</i>	Contains the links to get the job details.	links

data

Name	Description	Schema
id <i>required</i>	The job identifier.	integer (int64)
type <i>required</i>	The resource type. Set to job.	string

links

Name	Description	Schema
related <i>required</i>	Gets a list of recent jobs.	string
self <i>required</i>	Gets the details about this recovery job.	string

vmwareFullVmRecoveryRequest

The recovery request schema for VMware full VM recovery.

Name	Description	Schema
data <i>required</i>	Contains the recovery request data.	data

data

Name	Description	Schema
attributes <i>required</i>	Contains the recovery request attributes.	attributes
type <i>required</i>	The resource type. Must be set to <code>recoveryRequest</code> . Default : "recoveryRequest"	enum (recoveryRequest)

attributes

Name	Description	Schema
recoveryObject <i>optional</i>	Represents the virtual machine being recovered.	recoveryObject
recoveryOptions <i>optional</i>	Describes the recovery options to be used for this recovery.	recoveryOptions

recoveryPoint <i>required</i>	Selects the recovery point for this recovery based on the specified options. Required.	recoveryPoint
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recoveryObject

Name	Description	Schema
vmDisks <i>optional</i>	Represents one or more virtual machine disks. If not specified, the default is the disk or disks used at the time of backup.	< vmDisks > array
vmDisplayName <i>optional</i>	The display name of the virtual machine. Must not contain more than 80 characters. If not specified, the default is the one used at the time of backup.	string
vmEnvironment <i>optional</i>	Describes the VMware environment where this virtual machine is to be recovered. If not specified, the default is the one used at the time of backup.	vmEnvironment

vmDisks

Name	Description	Schema
destination <i>optional</i>	The destination path of the virtual machine disk.	string
source <i>optional</i>	The source path of the virtual machine disk.	string

vmEnvironment

Name	Description	Schema
datacenter <i>optional</i>	The datacenter path. Must begin with a forward slash '/'. If not specified, the default is the one used at the time of backup.	string
esxiServer <i>optional</i>	The ESXi server name. If not specified, the default is the one used at the time of backup.	string
network <i>optional</i>	The VM network name. Multiple VM networks can be specified using comma-separated values. If multiple VM networks are specified, they are attached to the recovered VM in the specified order. The default is the VM network or networks that were used at the time of backup.	string

resourcePoolOrVapp <i>optional</i>	The resource pool or vApp path. Must begin with a forward slash '/'. If not specified, the default is the one used at the time of backup.	string
vCenter <i>optional</i>	The vCenter server name. If not specified, the default is the one used at the time of backup.	string
vmFolder <i>optional</i>	The VM folder path. Must begin with a forward slash '/'. If not specified, the default is the one used at the time of backup.	string
vmxDatastore <i>optional</i>	The name of the datastore to restore the VMX file to. If not specified, the default is the one used at the time of backup.	string

recoveryOptions

Name	Description	Schema
defaultVmDiskProvisioning <i>optional</i>	The default disk provisioning format that is to be used for all of the virtual disks created during recovery. If not specified, the default is the one used at the time of backup.	enum (thin, thick-lazy-zeroed, thick-eager-zeroed)
diskMediaServer <i>optional</i>	The media server that is to be used to perform this recovery. If not specified, the default is the one used at the time of backup.	string
overwriteExistingVm <i>optional</i>	If <code>true</code> , overwrites the VM and its associated resources, if they already exist with the same name. If <code>false</code> , does not overwrite the VM and its associated resources, if they already exist with the same name. If not specified, does not overwrite the VM and its associated resources, if they already exist with the same name. Default : <code>false</code>	boolean
powerOnAfterRecovery <i>optional</i>	If <code>true</code> , the VM is powered on after the recovery. If <code>false</code> , the VM remains powered off after the recovery. If not specified, the VM remains powered off after the recovery. Default : <code>false</code>	boolean
recoverToVmxDatastore <i>optional</i>	If <code>true</code> , recovers the VMDK files to the same datastore as the VMX file. If <code>false</code> , recovers the VMDK files to their original location at the time of backup. If not specified, recovers the VMDK files to their original location at the time of	boolean

	<p>backup. If a different virtual disk destination path is assigned in <code>vmEnvironment</code> section, it overrides this option.</p> <p>Default : <code>false</code></p>	
<p>recoveryHost <i>optional</i></p>	<p>The server that is to be used as the VM recovery host to perform this recovery. If not specified, the default is the one used at the time of backup.</p>	string
<p>removeBackingInformation <i>optional</i></p>	<p>If <code>true</code>, removes any mounted removable devices (such as CD-ROM or DVD-ROM images) attached to the VM. If <code>false</code>, retains the mounted removable devices attached to the VM. If not specified, retains the mounted removable devices attached to the VM.</p> <p>Default : <code>false</code></p>	boolean
<p>removeNetworkInterfaces <i>optional</i></p>	<p>If <code>true</code>, removes any network interfaces attached to the VM after recovery. If <code>false</code>, retains the network interfaces attached to the VM after recovery. If not specified, retains the network interfaces attached to the VM after recovery.</p> <p>Default : <code>false</code></p>	boolean
<p>removeTagAssociations <i>optional</i></p>	<p>If <code>true</code>, removes any associated VMware tags from this VM. If <code>false</code>, retains the associated VMware tags for this VM. If not specified, retains the associated VMware tags for this VM.</p> <p>Default : <code>false</code></p>	boolean
<p>retainBiosUuid <i>optional</i></p>	<p>If <code>true</code>, recovers the VM with the same BIOS UUID as it had at the time of backup. If <code>false</code>, recovers the VM with a newly assigned BIOS UUID. If not specified, recovers the VM with the same BIOS UUID as it had at the time of backup.</p> <p>Default : <code>true</code></p>	boolean
<p>retainHardwareVersion <i>optional</i></p>	<p>If <code>true</code>, recovers the VM with the same hardware version as it had at the time of backup. If <code>false</code>, recovers the VM with the default hardware version for the destination ESXi server. If not specified, recovers the VM with the same hardware version as it had at the time of backup.</p> <p>Default : <code>true</code></p>	boolean
	<p>If <code>true</code>, recovers the VM with the same instance UUID (vCenter-specific unique identifier) as it had at the time of backup. If <code>false</code>, recovers the VM with a newly assigned instance UUID. If not</p>	

<p>retainInstanceUuid <i>optional</i></p>	<p>specified, recovers the VM with the same instance UUID as it had at the time of backup. If the VM is being recovered to a standalone ESXi host, this option is ignored. If another VM with the same instance UUID exists at the destination, vCenter server assigns a new UUID to the VM. Default : true</p>	<p>boolean</p>
<p>transportMode <i>optional</i></p>	<p>The transport mode combination that is to be used to perform this recovery. The string must be specified all in lowercase, with colon separated values such as hotadd: nbd: nbdssl: san. The order of the specified modes is significant, as NetBackup attempts each mode in that order until the recovery is successful. If none of the modes are successful, the recovery fails. If not specified, the default is san: hotadd: nbd: nbdssl. Default : "san: hotadd: nbd: nbdssl"</p>	<p>string</p>

recoveryPoint

Name	Description	Schema								
<p>backupId <i>optional</i></p>	<p>The backup image identifier to be used for this recovery. Required, if client is not specified. Cannot be used along with client and filter.</p>	<p>string</p>								
<p>client <i>optional</i></p>	<p>The client identifier that was used at the time of backup. Required, if backupId is not specified. Cannot be used along with backupId. If a filter is not specified along with client, recovery will be performed using the most recent backup image.</p>	<p>string</p>								
<p>filter</p>	<p>Selects the backup images for recovery based on the specified filter. Optional. Cannot be used along with backupId. If more than one backup images match the filter, NetBackup selects the most recent one. All the filters are based on the OData standard and filtering on the following attributes is supported.</p> <table border="1" data-bbox="649 1696 1299 1997"> <thead> <tr> <th data-bbox="657 1707 820 1808">Name</th> <th data-bbox="820 1707 974 1808">Supported Operators</th> <th data-bbox="974 1707 1177 1808">Description</th> <th data-bbox="1177 1707 1299 1808">Schema</th> </tr> </thead> <tbody> <tr> <td data-bbox="657 1808 820 1997">backupTime</td> <td data-bbox="820 1808 974 1997">ge le</td> <td data-bbox="974 1808 1177 1997">The backup timestamp in ISO 8601 format</td> <td data-bbox="1177 1808 1299 1997">date-time</td> </tr> </tbody> </table>	Name	Supported Operators	Description	Schema	backupTime	ge le	The backup timestamp in ISO 8601 format	date-time	<p>string</p>
Name	Supported Operators	Description	Schema							
backupTime	ge le	The backup timestamp in ISO 8601 format	date-time							

optional

The `filter` can be used to specify a time interval, such as `backupTime ge '2016-11-20T23:20:50Z'` and `backupTime le '2016-12-20T23:20:50Z'`. If the `filter` only specifies the start of the time interval, such as `backupTime ge '2016-11-20T23:20:50Z'`, then the end of the interval is assumed to be the current time. If the `filter` only specifies the end of the time interval, such as `backupTime le '2016-11-20T23:20:50Z'`, then the start of the interval is assumed to be 6 months prior to that. If the `filter` is not specified, the end of the time interval is assumed to be the current time and the start of the interval is assumed to be 6 months prior to that.

Security

rbacSecurity

Type : apiKey*Name* : Authorization*In* : HEADER

NetBackup Security API

Overview

The NetBackup Security APIs provide access to the security-related resources of NetBackup. These APIs manage authorization tokens, host ID-based certificates, security configuration options, and auditing.

Version information

Version : 1.0

URI scheme

Host : <masterserver>:1556*BasePath* : /netbackup

Schemes : HTTPS

Paths

GET /security/auditlogs

Description

Views the NetBackup audit logs.

Parameters

Type	Name	Description	Schema	Default
Query	category <i>optional</i>	The category ID of the required audit record. 0-GENERAL1-POLICY2-AUDITCFG3-JOB 4-AUDITSVC5-STU6-POOL7- STORAGESRV8-BPCONF9-AUDITDBI0- HOLDI1-USERI2-AZFAILUREI3- CATALOGI4-TOKENI5-CERTI6-LOGIN 17-SEC_CONFIGI8-HOSTI9- CONNECTION	integer	0
Query	datalimit <i>optional</i>	The number of audit records to be fetched.	integer	0
Query	domain <i>optional</i>	The domain name of the user.	string	" "
Query	domaintype <i>optional</i>	The domain type of the user.	integer	0
Query	endtime <i>optional</i>	The end time for the audit records. The audit records are fetched until this time.	integer (int64)	0
Query	locale <i>optional</i>	The locale value.	string	"en"
Query	operation <i>optional</i>	The operation ID of the audit record.0- GENERAL1-CREATE2-MODIFY3- DELETE4-START5-STOP6-CANCEL7- RESUME8-ACCESS	integer	0
Query	starttime <i>optional</i>	The start time for the audit records. NetBackup starts fetching the audit records at this time.	integer (int64)	0

Query	username <i>optional</i>	The name of the user.	string	" "
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Responses

HTTP Code	Description	Schema
200	The list of audit records.	getAuditRecordResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	No audit record found.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

GET /security/cacert

Description

Returns the certificate of the NetBackup web service certificate authority(CA) and the list of certificates of the NetBackup CA in the pem formatted string. Each NetBackup host must establish trust with the NetBackup web service CA before it can make secure calls to NetBackup APIs.

Responses

HTTP Code	Description	Schema
200	On successful response, the CA certificate is sent.	getCACertificateResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

GET /security/certificates/crl

Description

Returns the latest Certificate Revocation List (CRL) as a DER-encoded file. The file conforms to the standard X.509 CRL format and semantics.

Responses

HTTP Code	Description	Schema
200	On successful response, the latest CRL file is sent.	file
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse
500	There was an internal error with output of the Certificate Revocation List (CRL). Please try again.	string
503	Not found, the CRL is not generated yet. Headers : <code>Retry-After</code> (integer)	string

Produces

- `application/pkix-crl`

GET /security/certificates/current

Description

Returns the list of details for the latest certificate for each host from the certificate database.

Responses

HTTP Code	Description	Schema
200	On successful response, the list of details for the latest certificate for each host is sent.	getCertificateListResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

POST /security/certificates/revoke

Description

Revokes the NetBackup host ID-based certificate for the specified host ID.

Parameters

Type	Name	Description	Schema
Query	hostId <i>required</i>	The unique ID assigned to the NetBackup host.	string
Body	Reason <i>optional</i>	The reason for a certification revocation.	postRevokeCertificateRequest

Responses

HTTP Code	Description	Schema
200	Request successful.	No Content
400	Bad request. The request contains an invalid parameter, or the certificate has already been revoked.	errorResponse
401	The Authorization header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	The specified host was not found.	errorResponse
415	Unsupported Media Type. The media type specified in the Content-Type header is not supported by this API.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

GET /security/certificates/{serialNumber}

Description

Returns the certificate details of the certificate with the specified serial number.

Parameters

Type	Name	Description	Schema
Path	serialNumber <i>required</i>	The serial number of the certificate.	string

Responses

HTTP Code	Description	Schema
200	On successful response, the certificate details are sent.	getCertificateResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	The certificate entry does not exist.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

PUT /security/credentials

Description

Sets the security credentials.

Parameters

Type	Name	Description	Schema
Body	Security credentials <i>required</i>	The security credential that needs to be set.	secCredDef

Responses

HTTP Code	Description	Schema
200	The request was successful.	No Content
400	Bad request. The request contains an invalid parameter.	errorResponse
401	The Authorization header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
415	Unsupported Media Type. The media type specified in the Content-Type header is not supported by this API.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

GET /security/credentials/{credname}/isset

Description

Verifies whether a certain security credential is set or not.

Parameters

Type	Name	Description	Schema
Path	credname <i>required</i>	The name of the security credential key.	string

Responses

HTTP Code	Description	Schema
200	The request was successful.	credsSetResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse
500	There was an error when attempting to query the security credential.	errorResponse

Security

Type	Name
apiKey	rbacUserSecurity

GET /security/logindetails

Description

Views the logs that are specific to the NetBackup login audit records.

Parameters

Type	Name	Description	Schema	Default
Query	datalimit <i>optional</i>	The number of audit records to be fetched.	integer	0
Query	domaintype <i>optional</i>	The domain type of the user.	integer	0
Query	lastlogon <i>optional</i>	Set the value to true to view the audit records for the last failed and the last successful login attempts. If the value is set to false , audit records for all login attempts are fetched.	boolean	"false"
Query	locale <i>optional</i>	The locale value.	string	"en"

Responses

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HTTP Code	Description	Schema
200	The list of audit records.	getAuditRecordResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	No audit record found.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

GET /security/ping

Description

Tests the connection for the security service from the client. It returns the master server time in milliseconds.

Responses

HTTP Code	Description	Schema
200	Ping successful - master server time in milliseconds	time
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

Produces

- `text/plain`

POST /security/properties

Description

Configures NetBackup security, such as the certificate deployment security level, communication

with insecure hosts, and automatic host aliases.

Parameters

Type	Name	Description	Schema
Body	Security configuration properties required	The security configurations that need to be updated.	postSecPropertyRequest

Responses

HTTP Code	Description	Schema
200	Request successful.	No Content
400	Bad request. The request contains an invalid parameter.	errorResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
415	Unsupported Media Type. The media type specified in the <code>Content-Type</code> header is not supported by this API.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

GET /security/properties

Description

Fetches the configuration settings for NetBackup security.

Responses

HTTP Code	Description	Schema
200	On successful response, security configurations are sent in the	getSecPropertyResponse

	JSON format.	
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

GET /security/properties/default

Description

Fetches the default settings specific to NetBackup security.

Responses

HTTP Code	Description	Schema
200	On successful response, default security configuration settings are sent in the JSON format.	getSecPropertyResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

POST /security/securitytokens

Description

Creates an authorization token based on the properties that are sent with the request payload.

Parameters

Type	Name	Description	Schema
Body	Create Token Data <i>required</i>	The properties of the token to be created.	postCreateTokenRequest

Responses

HTTP Code	Description	Schema
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201	On successful response, the token value is sent.	postCreateTokenResponse
400	Bad request. The request contains an invalid parameter.	errorResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	In case of reissue-token, the host ID that is specified does not exist.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse
409	The token already exists.	errorResponse
415	Unsupported Media Type. The media type specified in the <code>Content-Type</code> header is not supported by this API.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

GET /security/securitytokens

Description

Returns the data for all tokens in the form of a list.

Responses

HTTP Code	Description	Schema
200	On successful response, a list of tokens is sent.	getTokenResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

POST /security/securitytokens/delete/invalid

Description

Cleans all invalid authorization tokens.

Parameters

Type	Name	Description	Schema
Body	Reason <i>optional</i>	Specify the reason for deleting the invalid tokens.	postDeleteTokenRequest

Responses

HTTP Code	Description	Schema
204	Request successful.	No Content
400	Bad request. The request contains an invalid parameter.	errorResponse
401	The Authorization header is missing, the token is invalid, or you do not have permission for this action.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

GET /security/securitytokens/state/valid

Description

Returns the data for all valid tokens.

Responses

HTTP Code	Description	Schema
200	On successful response, a list of valid tokens is sent.	getTokenResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

GET /security/securitytokens/{tokenName}

Description

Returns the token data for the specified token.

Parameters

Type	Name	Description	Schema
Path	tokenName <i>required</i>	The token name.	string

Responses

HTTP Code	Description	Schema
200	On successful response, the token data is sent.	getTokenData
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse

404	The token does not exist.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

POST /security/securitytokens/{tokenName}/delete

Description

Deletes an authorization token based on the token name that is specified in the URI.

Parameters

Type	Name	Description	Schema
Path	tokenName <i>required</i>	The token name.	string
Body	Reason <i>optional</i>	Specify the reason for deleting the token.	postDeleteTokenRequest

Responses

HTTP Code	Description	Schema
204	Request successful.	No Content
400	Bad request. The request contains an invalid parameter.	errorResponse
401	The <code>Authorization</code> header is missing, the token is invalid, or you do not have permission for this action.	errorResponse
404	The token does not exist.	errorResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

Consumes

- `application/vnd.netbackup+json;version=1.0`

Security

Type	Name
apiKey	rbacUserSecurity

GET /security/serverinfo

Description

Returns NetBackup master server information.

Responses

HTTP Code	Description	Schema
200	On successful response, the NetBackup master server information is sent.	getServerInfoResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

GET /security/servertime

Description

Returns the master server time in milliseconds in the JSON format.

Responses

HTTP Code	Description	Schema
200	On successful response, the master server time in milliseconds is sent in the JSON format.	getServerTimeResponse
406	Invalid <code>Accept</code> type. Make sure your <code>Accept</code> header matches what this API produces.	errorResponse

Produces

- `application/vnd.netbackup+json;version=1.0`

Definitions

aliasAutoAdd

Here are the defined values for the aliasAutoAdd setting: 0 - OFF - The NetBackup administrator's approval is required to add host aliases. 1 - ON - Aliases can be automatically added without the NetBackup administrator's approval.

Type : integer

allowInsecureBackLevelHost

Here are the defined values for the allowInsecureBackLevelHost setting: 0 - OFF - The NetBackup host cannot communicate with insecure hosts. 1 - ON - The NetBackup host can communicate with insecure hosts.

Type : integer

auditRecordDetails

Name	Description	Schema
auditKeyList <i>optional</i>	The list of the audit placeholder values.	< auditRecordKey > array
auditRecordAttributeList <i>optional</i>	The list of the audit record attributes.	< auditRecordAttribute > array
auditTime <i>optional</i>		time
auditUserIdentity <i>optional</i>	User information.	object
categoryId <i>optional</i>	The category ID of the fetched audit record.	integer
categoryIdDisplayString <i>optional</i>	The resolved category value from the categoryId field.	string
messageId	The UMI message ID of the fetched audit	

<i>optional</i>	record.	integer
messageIdDisplayString <i>optional</i>	The resolved message value from the messageId UMI.	string
operationId <i>optional</i>	The operation ID of the fetched audit record.	integer
operationIdDisplayString <i>optional</i>	The resolved operation value from the operationId field.	string
reason <i>optional</i>	The reason value of the audit record.	string

auditRecordKey

Name	Description	Schema
typeId <i>optional</i>	The data type of the placeholder.	integer
typeIdDisplayString <i>optional</i>	The value of the placeholder for the audit description message.	string

certificate

An x.509 certificate in a PEM-formatted string.

Type : string

certificateAutoDeployLevel

Here are the defined values for the certificate deployLevel level.0]- Very High - Automatic certificate deployment is disabled.1]- High - Certificates are automatically deployed on known hosts. 2 - Medium - Certificates are automatically deployed on all hosts.

Type : integer

certificateState

The certificate state. Here are the defined values for the certificate state.1]- Active.2]- Revoked.

Type : integer

certificateTokenType

Indicates the type of token that was used to issue the certificate or the scenario in which the

certificate was issued. Here are the defined values for token types. 0 - No token. 1 - Single-use token. 2 - Multi-use token. 3 - Reissue token. Here are the defined values based on these scenarios. 4 - Certificate renewal. 5 - Auto created (catalog recovery).

Type : integer

credsSetResponse

A flag that specifies whether the security credential is set or not.

Type : boolean

csr

A CSR is a PKCS10 formatted message that is sent from a Secure Sockets Layer (SSL) digital certificate applicant to a certificate authority (CA). The CSR validates the information the NetBackup CA requires to issue a certificate.

Type : string

errorResponse

Name	Description	Schema
errorCode <i>required</i>	The NetBackup error code.	integer (int64)
errorMessage <i>required</i>	The NetBackup error code description.	string

getAuditRecordResponse

Name	Description	Schema
auditRecordList <i>optional</i>	The list of audit record details.	< auditRecordDetails > array
isDataTruncated <i>optional</i>	Indicates whether the data is truncated or not.	boolean

getCACertificateResponse

Name	Description	Schema
cacert	A list of certificates of the NetBackup certificate authority	< certificate > array

<i>required</i>	(VxAT) in a pem-formatted string.	
webRootCert <i>required</i>		certificate

getCertificateListResponse

Name	Description	Schema
certificateList <i>required</i>	A list of certificate details.	< getCertificateResponse > array

getCertificateResponse

Name	Description	Schema
certificateKey <i>required</i>	For internal use.	integer
createOn <i>required</i>		time
hostId <i>required</i>		hostID
hostName <i>required</i>		hostName
hostType <i>required</i>		hostType
notAfter <i>required</i>		time
notBefore <i>required</i>		time
publicKey <i>required</i>	The public key of the host for which the certificate is issued.	string
revocationReason <i>required</i>		revocationReason
serialNumber <i>required</i>		serialNo
state <i>required</i>		certificateState

tokenType <i>optional</i>		certificateTokenType
updatedOn <i>required</i>		time

getSecPropertyResponse

List of security settings.

Name	Schema
aliasAutoAdd <i>required</i>	aliasAutoAdd
allowInsecureBackLevelHost <i>required</i>	allowInsecureBackLevelHost
certificateAutoDeployLevel <i>required</i>	certificateAutoDeployLevel

getServerInfoResponse

Name	Description	Schema
masterHostId <i>optional</i>	The host ID of the NetBackup master server.	hostID
serverName <i>optional</i>	The name of the NetBackup master server.	string

getServerTimeResponse

Name	Schema
serverTime <i>required</i>	time

getTokenData

Name	Description	Schema
allowedCount <i>required</i>	The maximum usage count of the token.	integer

hostId <i>required</i>		hostID
tokenActivationTime <i>required</i>		time
tokenExpirationTime <i>required</i>		time
tokenKey <i>required</i>	For internal use.	integer
tokenName <i>required</i>	The token name to be created.	string
tokenState <i>required</i>	The validity of the token. A token is invalid if the usedCount has exceeded the allowedCount, the token is not active yet, or the token has expired. It is valid otherwise. Here are the defined values for token states: 0 - Not Valid. 1 - Valid.	integer
tokenType <i>required</i>		tokenType
tokenValue <i>required</i>		token
usedCount <i>required</i>	The used count of the token.	integer

getTokenResponse

Name	Description	Schema
tokenList <i>required</i>	List of tokens.	< getTokenData > array

hostID

The unique ID assigned to the NetBackup host.

Type : string

hostInformation

Name	Description	Schema
csr		csr

<i>required</i>		
hostAlias <i>required</i>	A list of host aliases of the specified host. The specified hostName property must be present in this hostAlias array.	< hostName > array
hostName <i>required</i>		hostName

hostName

The name of the host for which the certificate is issued or is to be issued.

Type : string

hostType

The type of host (server or client). Here are the defined values for the host type:0]- Unknown. 1]- Server. 2]- Client.

Type : integer

postCertificateResponse

Name	Description	Schema
certificate <i>required</i>		certificate
crl <i>required</i>	The certificate revocation list.	string (byte)
hostId <i>required</i>	The host ID of the NetBackup host that has requested a certificate.	hostID
masterHostId <i>required</i>	The host ID of the NetBackup master server.	hostID
securityLevel <i>required</i>	The level of host checking for certificate registration and the frequency of updates for CRLs.	integer

postCreateTokenRequest

Name	Description	Schema
allowedCount <i>required</i>	The maximum usage count of the token. The default value is 1. Maximum value : 99999	integer

hostId <i>optional</i>		hostID
reason <i>optional</i>	The reason for creating the token.	string
tokenName <i>required</i>	The token name to be created.	string
type <i>optional</i>		tokenType
validFor <i>required</i>	The validity of the token in seconds. The default validity is 1 day. Maximum value : 86313600	integer

postCreateTokenResponse

Name	Description	Schema
tokenValue <i>required</i>	The token value. Use for certificate deployment.	string

postDeleteTokenRequest

Name	Description	Schema
reason <i>optional</i>	The reason for deleting the token.	string

postRevokeCertificateRequest

Name	Schema
revocationReason <i>optional</i>	revocationReason

postSecPropertyRequest

Name	Schema
aliasAutoAdd <i>optional</i>	aliasAutoAdd
allowInsecureBackLevelHost <i>optional</i>	allowInsecureBackLevelHost

certificateAutoDeployLevel*optional*[certificateAutoDeployLevel](#)

revocationReason

The reason for a certificate revocation. Here are the defined values for the revocation reason.0= Unspecified.1= Key Compromise.2= CA Compromise.3= Affiliation Changed.4= Superseded.5= Cessation Of Operation.6= Certificate Hold.7= Others.

Type : integer

secCredDef

Name	Description	Schema
credName <i>required</i>	The name of the security credential key.	string
credValue <i>required</i>	The value associated with the security credential key.	string

serialNo

The serial number of the certificate.

Type : integer

time

The number of milliseconds since the Epoch, 1970-01-01 00:00:00 +0000.

Type : integer (int64)

token

The authorization token. It can be of type standard token, reissue token. Depending on the certificate deployment security setting, NetBackup hosts may require an authorization token to obtain a host ID-based certificate from the certificate authority (master server). To request a certificate reissue, the token is mandatory and should be of type reissue.

Type : string

tokenType

The type of the token to be created. Here are the defined values for the token types.0- Standard Token.1- Reissue Token.

Type : integer

Security

rbacCertSecurity

Type : apiKey

Name : Authorization

In : HEADER

rbacUserSecurity

Type : apiKey

Name : Authorization

In : HEADER

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