Backup and Restore v2.0

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Resource: backups

Backups

http://{device}/api/npm.backup/2.0/backups/server/{server_id}

JSON

```
{
  "completed": [ completed_backup ],
  "server_id": integer
}
```

Property Name	Type	Description	Notes
backups	*<object>*	Backups	Required properties: [server_id, completed];
backups.completed	*<array of <completed_backup>>*	List of completed backups	
backups.completed[items]	*<completed_backup>*	A backup stored on a server	
backups.server_id	*<integer>*	ID of the backup server (filer)	

Links

backups: get

Get backups

GET http://{device}/api/npm.backup/2.0/backups/server/{server_id}

Response Body

Returns a backups data object.

backups: start

Start a backup

POST http://{device}/api/npm.backup/2.0/backups/server/{server_id}/start

Request Body

Provide a request body with the following structure:

JSON

```
{
  "contents": content_info,
  "desc": string,
  "name": string,
  <prop>: any
}
```

Property Name	Type	Description	Notes
backups.links.start.request	*<object>*		Required properties: [name, desc, contents];
backups.links.start.request.contents	*<content_info>*	Content information describes what a backup contains and what a restore operation restores	
backups.links.start.request.desc	*<string>*	Description	
backups.links.start.request.name	*<string>*	Name	
backups.links.start.request.<prop>	*<any>*		Optional;

Response Body

Returns an operation_info data object.

backups: upload

Upload a backup file. A backup file is obtained from the download link on a backup resource. The accepted content-type is application/octet-stream. Available for local backups only.

POST http://{device}/api/npm.backup/2.0/backups/server/{server_id}/upload

Request Body

Do not provide a request body.

Response Body

Returns a completed_backup data object.

Resource: completed_backup

A backup stored on a server

http://{device}/api/npm.backup/2.0/completed_backups/server/{server_id}/items/{id}

JSON


```
{
  "contents": content_info,
  "created_on": integer,
  "desc": string,
  "hostname": string,
  "id": string,
  "model": string,
  "name": string,
  "serial": string,
  "server_id": integer,
  "sid": string,
  "size": integer,
  "status": status,
  "sw_version": string
}
```


Property Name	Type	Description	Notes
completed_backup	*<object>*	A backup stored on a server	Required properties: [id, name, desc, server_id, status, hostname, sw_version, model, serial, created_on, contents, size];
completed_backup.contents	*<content_info>*	Content information describes what a backup contains and what a restore operation restores	
completed_backup.created_on	*<integer>*	Creation timestamp	Read-only;
completed_backup.desc	*<string>*	Description	
completed_backup.hostname	*<string>*	Hostname	Read-only;
completed_backup.id	*<string>*	ID (uuid)	Read-only;
completed_backup.model	*<string>*	Model	Read-only;
completed_backup.name	*<string>*	Name	
completed_backup.serial	*<string>*	Serial	Read-only;
completed_backup.server_id	*<integer>*	ID of the backup server (filer)	Read-only;
completed_backup.sid	*<string>*	ID of associated scheduled backup	Read-only; Optional;
completed_backup.size	*<integer>*	Size in bytes	Read-only;
completed_backup.status	*<status>*	Status description	Values: started, completed, failed, aborted;
completed_backup.sw_version	*<string>*	Software version	Read-only;

Links

completed_backup: delete

Delete a backup

DELETE http://{device}/api/npm.backup/2.0/completed_backups/server/{server_id}/items/{id}

Response Body

On success, the server does not provide any body in the responses.

completed_backup: download

Retrieve the backup file. This link returns binary data. Available for local backups only.

GET http://{device}/api/npm.backup/2.0/completed_backups/server/{server_id}/items/{id}/file

Response Body

On success, the server does not provide any body in the responses.

completed_backup: get

Get a backup

GET http://{device}/api/npm.backup/2.0/completed_backups/server/{server_id}/items/{id}

Response Body

Returns a completed_backup data object.

completed_backup: restore

Restore a backup

POST http://{device}/api/npm.backup/2.0/completed_backups/server/{server_id}/items/{id}/restore

Request Body

Provide a content_info data object.

Response Body

Returns an operation_info data object.

Resource: device_status

Backup and Restore status

http://{device}/api/npm.backup/2.0/device_status

JSON

```
{
  "available_backup_modules": [ module ],
  "available_restore_modules": [ module ],
  "current_operation": {
    "backup_details": operation_details_backup,
    "info": operation_info,
    "progress": {
      "completed": integer,
      "status_message": string,
      "total": integer
    },
    "restore_details": operation_details_restore
  },
  "latest_backup": operation_info,
  "latest_restore": operation_info,
  "system_id": string
}
```

Property Name	Type	Description	Notes
device_status	*<object>*	Backup and Restore status	Required properties: [available_backup_modules, available_restore_modules, system_id];
device_status.available_backup_modules	*<array of <module>>*		
device_status.available_backup_modules [items]	*<module>*	A backup module	
device_status.available_restore_modules	*<array of <module>>*		
device_status.available_restore_modules [items]	*<module>*	A backup module	
device_status.current_operation	*<object>*	Information about the current operation	Required properties: [info, progress]; Optional;
device_status.current_operation. backup_details	*<operation_details_backup>*	Backup operation details	
device_status.current_operation.info	*<operation_info>*	Backup operation information	
device_status.current_operation.progress	*<object>*	Progress report	Required properties: [completed, total, status_message];

device_status.current_operation.progress.completed	*<integer>*	Number of steps completed so far	
device_status.current_operation.progress.status_message	*<string>*	Information about the current step	
device_status.current_operation.progress.total	*<integer>*	Total number of steps	
device_status.current_operation.restore_details	*<operation_details_restore>*	Restore operation details	
device_status.current_operation.oneOf[0]	*<object>*		Required properties: [info, backup_details];
device_status.current_operation.oneOf[0].backup_details	*<operation_details_backup>*	Backup operation details	
device_status.current_operation.oneOf[0].info	*<object>*		Required properties: [operation_type];
device_status.current_operation.oneOf[0].info.operation_type	*<string>*		Values: backup;
device_status.current_operation.oneOf[0].info.<prop>	*<any>*		Optional;
device_status.current_operation.oneOf[0].<prop>	*<any>*		Optional;
device_status.current_operation.oneOf[1]	*<object>*		Required properties: [info, restore_details];
device_status.current_operation.oneOf[1].info	*<object>*		Required properties: [operation_type];
device_status.current_operation.oneOf[1].info.operation_type	*<string>*		Values: restore;
device_status.current_operation.oneOf[1].info.<prop>	*<any>*		Optional;
device_status.current_operation.oneOf[1].restore_details	*<operation_details_restore>*	Restore operation details	
device_status.current_operation.oneOf[1].<prop>	*<any>*		Optional;
device_status.latest_backup	*<operation_info>*	Backup operation information	
device_status.latest_restore	*<operation_info>*	Backup operation information	
device_status.system_id	*<string>*	System identifier	

Links

device_status: cancel_operation

Cancel current operation

```
POST http://{device}/api/npm.backup/2.0/device_status/cancel_operation
```

Request Body

Do not provide a request body.

Response Body

On success, the server does not provide any body in the responses.

device_status: estimate_size

Get a backup size estimate

```
POST http://{device}/api/npm.backup/2.0/device_status/estimate_size
```

Request Body

Provide a content_info data object.

Response Body

Returns a backup_size data object.

device_status: get

Get current status

GET http://{device}/api/npm.backup/2.0/device_status

Response Body

Returns a device_status data object.

device_status: reset_factory

Reset the appliance to its initial configuration, wiping out all configuration, logs, and data

POST http://{device}/api/npm.backup/2.0/device_status/reset_factory

Request Body

Do not provide a request body.

Response Body

Returns an operation_info data object.

Resource: scheduled_backup

A schedule backup

http://{device}/api/npm.backup/2.0/scheduled_backups/items/{id}

JSON

```
{
  "active": boolean,
  "contents": content_info,
  "desc": string,
  "id": string,
  "last_backup": integer,
  "name": string,
  "next_backup": integer,
  "retention": integer,
  "retry_attempts": integer,
  "retry_delay": integer,
  "rrule": recurrence_rule,
  "server_id": integer
}
```

Property Name	Type	Description	Notes
scheduled_backup	*<object>*	A schedule backup	Required properties: [name, desc, active, retry_attempts, retry_delay, retention, server_id, contents, rrule];
scheduled_backup.active	*<boolean>*	Scheduled backup is active	
scheduled_backup.contents	*<content_info>*	Content information describes what a backup contains and what a restore operation restores	
scheduled_backup.desc	*<string>*	Description	
scheduled_backup.id	*<string>*	ID (uuid)	Read-only; Optional;
scheduled_backup.last_backup	*<integer>*	Timestamp that backup last occurred	Read-only; Optional;
scheduled_backup.name	*<string>*	Name	
scheduled_backup.next_backup	*<integer>*	Timestamp that next backup will occur	Read-only; Optional;
scheduled_backup.retention	*<integer>*	Specifies number of backups to retain	Range: 1 to 9999;
scheduled_backup.retry_attempts	*<integer>*	Specifies number of times to retry failed backup attempts	Range: 0 to 9999;
scheduled_backup.retry_delay	*<integer>*	Specifies number of minutes between retry attempts	Range: 0 to 9999;
scheduled_backup.rrule	*<recurrence_rule>*	Recurrence rule specification for report schedule. Implements(incompletely) the Recurrence Rule Specification from iCalendar RFC - http://www.ietf.org/rfc/rfc2445.txt	
scheduled_backup.server_id	*<integer>*	ID of backup_server to send backup to	

Links

scheduled_backup: backup_now

Start the scheduled backup now

POST http://{device}/api/npm.backup/2.0/scheduled_backups/items/{id}/backup_now

Request Body

Do not provide a request body.

Response Body

Returns an operation_info data object.

scheduled_backup: delete

Delete a scheduled backup

DELETE http://{device}/api/npm.backup/2.0/scheduled_backups/items/{id}

Response Body

On success, the server does not provide any body in the responses.

scheduled_backup: get

Get a scheduled backup

GET http://{device}/api/npm.backup/2.0/scheduled_backups/items/{id}

Response Body

Returns a scheduled_backup data object.

scheduled_backup: set

Update scheduled backup

PUT http://{device}/api/npm.backup/2.0/scheduled_backups/items/{id}

Request Body

Provide a scheduled_backup data object.

Response Body

Returns a scheduled_backup data object.

Relations

scheduled_backup: instances

Related resource

scheduled_backups

Resource: scheduled_backups

Scheduled backups

http://{device}/api/npm.backup/2.0/scheduled_backups

JSON

```
{
  "items": [ scheduled_backup ]
}
```

Property Name	Type	Description	Notes
scheduled_backups	*<object>*	Scheduled backups	
scheduled_backups.items	*<array of <scheduled_backup>>*	List of scheduled backups	Optional;
scheduled_backups.items[items]	*<scheduled_backup>*	A schedule backup	

Links

scheduled_backups: create

Add a scheduled backup

```
POST http://{device}/api/npm.backup/2.0/scheduled_backups
```

Request Body

Provide a scheduled_backup data object.

Response Body

Returns a scheduled_backup data object.

scheduled_backups: get

Get scheduled backup

```
GET http://{device}/api/npm.backup/2.0/scheduled_backups
```

Response Body

Returns a scheduled_backups data object.

Resource: server

Backup server (filer)

```
http://{device}/api/npm.backup/2.0/servers/items/{id}
```

JSON

```
{
  "desc": string,
  "host": string,
  "id": integer,
  "name": string,
  "new_private_key": string,
  "path": string,
  "port": integer,
  "public_key": string,
  "user": string
}
```

Property Name	Type	Description	Notes
server	*<object>*	Backup server (filer)	Required properties: [name, desc, host, port, path, user];
server.desc	*<string>*	Description	
server.host	*<string>*	Host	
server.id	*<integer>*	ID	Read-only; Optional;
server.name	*<string>*	Name	
server.new_private_key	*<string>*	RSA Private Key. Set this during create or update to configure the key. If not set during create then a key will be generated automatically and will be returned in this field in the response.	Optional;
server.path	*<string>*	Path	
server.port	*<integer>*	Port	
server.public_key	*<string>*	RSA Public Key. The public key will be available every time the resource is queried.	Read-only; Optional;
server.user	*<string>*	User	

Links

server: delete

Delete a server

```
DELETE http://{device}/api/npm.backup/2.0/servers/items/{id}
```

Response Body

On success, the server does not provide any body in the responses.

server: generate_key

Generate a new RSA keypair and update the server resource with the new keypair. The response to this call will contain the newly generated private key, which will be the only time that the private key will be made available. The response will also contain the public key.

```
POST http://{device}/api/npm.backup/2.0/servers/items/{id}/generate_key
```

Request Body

Do not provide a request body.

Response Body

Returns a server data object.

server: get

Get a server

```
GET http://{device}/api/npm.backup/2.0/servers/items/{id}
```

Response Body

Returns a server data object.

server: set

Update a server

```
PUT http://{device}/api/npm.backup/2.0/servers/items/{id}
```

Request Body

Provide a server data object.

Response Body

Returns a server data object.

server: test

Test server connection

```
POST http://{device}/api/npm.backup/2.0/servers/items/{id}/test
```

Request Body

Do not provide a request body.

Response Body

On success, the server returns a response body with the following structure:

JSON

```
{
  "message": string,
  "success": boolean
}
```

Property Name	Type	Description	Notes
server.links.test.response	*<object>*	Server connection test result	Required properties: [success, message];
server.links.test.response.message	*<string>*	Contains failure information if test fails	
server.links.test.response.success	*<boolean>*	Indicates test success or failure	

Relations

server: instances

Related resource
servers

Resource: servers

Backup servers (filers)

```
http://{device}/api/npm.backup/2.0/servers
```

JSON

```
{
  "items": [ server ]
}
```

Property Name	Type	Description	Notes
servers	*<object>*	Backup servers (filers)	
servers.items	*<array of <server>>*	List of servers	Optional;
servers.items[items]	*<server>*	Backup server (filer)	

Links

servers: create

Add a server

```
POST http://{device}/api/npm.backup/2.0/servers
```

Request Body
Provide a server data object.

Response Body
Returns a server data object.

servers: get

Get servers

```
GET http://{device}/api/npm.backup/2.0/servers
```

Response Body
Returns a servers data object.

Type: backup_size

Backup size

JSON

```
{
  "data_size": [
    {
      "module": string,
      "size": integer,
      <prop>: any
    }
  ],
  "total_size": integer
}
```

Property Name	Type	Description	Notes
backup_size	*<object>*	Backup size	Required properties: [total_size, data_size];
backup_size.data_size	*<array of <object>>*		
backup_size.data_size[items]	*<object>*		
backup_size.data_size[items].module	*<string>*	Module short_name	Optional;
backup_size.data_size[items].size	*<integer>*	Size in kilobytes	Optional;
backup_size.data_size[items].<prop>	*<any>*		Optional;
backup_size.total_size	*<integer>*	Total size	

Type: backup_status

Information about a backup

JSON

```
{
  "backup_id": string,
  "name": string,
  "operation_type": string,
  "sbu_id": string,
  "server_name": string,
  <prop>: any
}
```

Property Name	Type	Description	Notes
backup_status	*<object>*	Information about a backup	Required properties: [operation_type, name, server_name, backup_id];
*backup_status.*backup_id	*<string>*	Backup ID	
*backup_status.*name	*<string>*	Name	
*backup_status.*operation_type	*<string>*		Values: backup;
*backup_status.*sbu_id	*<string>*	SBU ID	Optional;
*backup_status.*server_name	*<string>*	Backup server (filer) name	
backup_status.<prop>	*<any>*		Optional;

Type: content_info

Content information describes what a backup contains and what a restore operation restores

JSON

```
{
  "config_only": boolean,
  "modules": module_list
}
```

Property Name	Type	Description	Notes
content_info	*<object>*	Content information describes what a backup contains and what a restore operation restores	Required properties: [config_only];
*content_info.*config_only	*<boolean>*	Configuration data only. When restoring, setting this flag to True will force a config-only restore. The flag has no effect if the backup is already config-only.	
*content_info.*modules	*<module_list>*		

Type: factory_reset_status

Information about a factory reset

JSON

```
{
  "operation_type": string,
   <prop>: any
}
```

Property Name	Type	Description	Notes
factory_reset_status	*<object>*	Information about a factory reset	Required properties: [operation_type];
*factory_reset_status.*operation_type	*<string>*		Values: reset-factory;
factory_reset_status.<prop>	*<any>*		Optional;

Type: module

A backup module

JSON

```
{
  "desc": string,
  "group": string,
  "group_type": string,
  "short_name": string,
  "supported_options": [
    string
  ]
}
```

Property Name	Type	Description	Notes
module	*<object>*	A backup module	Required properties: [short_name, group, desc, group_type, supported_options];
*module.*desc	*<string>*	Description	
*module.*group	*<string>*	Module group	
*module.*group_type	*<string>*	Type of data (transaction, aggregate, etc)	
*module.*short_name	*<string>*	Short identifier	Pattern: '[A-Za-z0-9]+';
*module.*supported_options	*<array of <string>>*	List of available option names	
*module.*supported_options[items]	*<string>*		

Type: module_list

JSON

```
[
  {
    "module": string,
    "options": [
      {
        "name": string,
        "value": string,
         <prop>: any
      }
    ]
  }
]
```

Property Name	Type	Description	Notes
module_list	*<array of <object>>*		
module_list[items]	*<object>*		Required properties: [module, options];
module_list[items].module	*<string>*	Module short_name	
module_list[items].options	*<array of <object>>*	list of option names and values	
module_list[items].options[items]	*<object>*		
module_list[items].options[items].name	*<string>*	Parameter name	Optional;
module_list[items].options[items].value	*<string>*	Parameter value	Optional;
module_list[items].options[items].<prop>	*<any>*		Optional;

Type: operation_details_backup

Backup operation details

JSON

```
{
  "contents": content_info,
  "size_estimate": backup_size
}
```

Property Name	Type	Description	Notes
operation_details_backup	*<object>*	Backup operation details	Required properties: [size_estimate, contents];
operation_details_backup.contents	*<content_info>*	Content information describes what a backup contains and what a restore operation restores	
operation_details_backup.size_estimate	*<backup_size>*	Backup size	

Type: operation_details_restore

Restore operation details

JSON

```
{
  "size": integer
}
```

Property Name	Type	Description	Notes
operation_details_restore	*<object>*	Restore operation details	Required properties: [size];
operation_details_restore.size	*<integer>*	Size in bytes	

Type: operation_info

Backup operation information

JSON

```
{
  "operation_type": string,
  "start_time": integer,
  "status": status,
  "status_message": string,
  <prop>: any
}
```

Property Name	Type	Description	Notes
operation_info	*<object>*	Backup operation information	Required properties: [operation_type, start_time, status, status_message];
operation_info.operation_type	*<string>*	Type of backup operation	Values: backup, restore, reset-factory;
operation_info.start_time	*<integer>*	Timestamp of the start time	
operation_info.status	*<status>*	Status description	Values: started, completed, failed, aborted;
operation_info.status_message	*<string>*	Status message	
operation_info.<prop>	*<any>*		Optional;
operation_info.oneOf[0]	*<backup_status>*	Information about a backup	
operation_info.oneOf[1]	*<restore_status>*	Information about a restore	
operation_info.oneOf[2]	*<factory_reset_status>*	Information about a factory reset	

Type: recurrence_rule

Recurrence rule specification for report schedule. Implements(incompletely) the Recurrence Rule Specification from iCalendar RFC - http://www.ietf.org/rfc/rfc2445.txt

JSON


```
{
  "byday": [
    string
  ],
  "byhour": [
    integer
  ],
  "byminute": [
    integer
  ],
  "bymonth": [
    integer
  ],
  "bymonthday": [
    integer
  ],
  "bysecond": [
    integer
  ],
  "bysetpos": [
    integer
  ],
  "count": integer,
  "dtstart": integer,
  "freq": string,
  "interval": integer,
  "timezone": string,
  "until": string
}
```


Property Name	Type	Description	Notes
recurrence_rule	*<object>*	Recurrence rule specification for report schedule. Implements(incompletely) the Recurrence Rule Specification from iCalendar RFC - http://www.ietf.org/rfc/rfc2445.txt	Required properties: [freq];
*recurrence_rule.*byday	*<array of <string>>*	Specifies days of the week.	Optional;
*recurrence_rule.*byday[items]	*<string>*		Values: SU, MO, TU, WE, TH, FR, SA;
*recurrence_rule.*byhour	*<array of <integer>>*	Specifies hours of the day.	Optional;
*recurrence_rule.*byhour[items]	*<integer>*		Range: 0 to 23;
*recurrence_rule.*byminute	*<array of <integer>>*	Specifies minutes within an hour.	Optional;
*recurrence_rule.*byminute[items]	*<integer>*		Minimum 0;
*recurrence_rule.*bymonth	*<array of <integer>>*	Specifies array of the months of the year.	Optional;
*recurrence_rule.*bymonth[items]	*<integer>*		Range: 1 to 12;
*recurrence_rule.*bymonthday	*<array of <integer>>*	Specifies array of days of the month. 0 is invalid value.	Optional;
*recurrence_rule.*bymonthday[items]	*<integer>*		Range: -31 to 31;
*recurrence_rule.*bysecond	*<array of <integer>>*	Specifies seconds within a minute.	Optional;
*recurrence_rule.*bysecond[items]	*<integer>*		Range: 0 to 59;
*recurrence_rule.*bysetpos	*<array of <integer>>*	Specifies the nth occurrence within the set of events specified by the rule. 0 is invalid value. It MUST only be used in conjunction with another BYxxx rule part.	Optional;
*recurrence_rule.*bysetpos[items]	*<integer>*		Range: -366 to 366;
*recurrence_rule.*count	*<integer>*	# TODO enforce this in the schema Specifies the number of occurrences, either until or count must be specified, but not both.	Optional; Minimum 1;
*recurrence_rule.*dtstart	*<integer>*	Specifies when the recurrence begins. High precision timestamp relative to the Unix Epoch.	Optional;
*recurrence_rule.*freq	*<string>*	Type of recurrence rule, to specify repeating events based on an interval of freq.	Values: YEARLY, QUARTERLY, MONTHLY, WEEKLY, DAILY, HOURLY, ONETIME;
*recurrence_rule.*interval	*<integer>*	Specifies how often the recurrence rule repeats.	Optional;
*recurrence_rule.*timezone	*<string>*	Specifies when the time zone. Example: Europe/Budapest. If not specified Etc/Universal is used.	Optional;
*recurrence_rule.*until	*<string>*	# TODO enforce this in the schema Specifies when the recurrence ends, either until or count must be specified, but not both. High precision timestamp relative to the Unix Epoch.	Optional;

Type: restore_status

Information about a restore

JSON

```
{
  "backup_id": string,
  "operation_type": string,
  "server_name": string,
  <prop>: any
}
```

Property Name	Type	Description	Notes
restore_status	*<object>*	Information about a restore	Required properties: [operation_type, server_name];
*restore_status.*backup_id	*<string>*	Backup ID	Optional;
*restore_status.*operation_type	*<string>*		Values: restore;
*restore_status.*server_name	*<string>*	Backup server (filer) name	
restore_status.<prop>	*<any>*		Optional;

Type: status

Status description

JSON

```
string
```

Property Name	Type	Description	Notes
status	*<string>*	Status description	Values: started, completed, failed, aborted;