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# Probe – SSR\_Backup 1.02

**CA Services**

## Release notes

### Version 1.0

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| * Initial release. |

## Introduction

SSR\_Backup has been created to export/import SSR Group policy and Device policy (Specific profiles) with the help of selfservice-cli.jar. All profiles are exported in XML Format in the “export” directory.

## Use cases:

* Copy group profiles from ‘A’ to ‘B’.
* Restore deleted profiles (group or device).
* Restore a complete group (the group itself has to be created manually before).

## File and directory format:

### Group:

Export\**groups**\

groupId\_groupName\groupId\_groupName\_templateId\_profileName\_versionId.xml

### Device:

Export\**devices**\

cs\_id\_deviceName\cs\_id\_deviceName\_templateId\_profileId\_profileName\_versionId.xml

## Configuration

### Setup section

| **key** | **Default value** | **Description** |
| --- | --- | --- |
| **properties** | N.A | Queue name where message are posted |
| **loglevel** | 6 | Default loglevel. |
| **debug** | 0 | Activate advanced debug mode for export/import cli. |
| **login** | administrator | Nimsoft login. |
| **password** | N/A | Nimsoft password. |
| **export\_directory** | export | Default export directory. |
| **max\_profiles** | 3 | Max profiles window to store in SQL/Export directory. |
| **interval** | 86400 | Main thread execution interval (in second). Default 24 hours. |
| **export\_max\_threads** | 2 | Max threads for export. |
| **import\_max\_threads** | 1 | Max threads for import. |
| **sqltable\_max\_day** | 180 | Maximum life day for a row in the reference table. |
| **get\_specifics** | 1 | Get specifics/devices profiles. |
| **get\_groups** | 1 | Get groups profiles. |
| **java\_cmd** | N/A | Java command to run selfservice-cli.jar |
| **export\_lock** | 0 | Lock export on start. This option is disabled but that can be useful if you want to start the probe to only import profiles. |
| **double\_sync** | 1 | Keep checking locally for XML files that match our reference table (if no XML matched, SQL rows will be deleted). |

Login and password fields are not required when it’s used as a probe.

### Alarms section

| **key** | **Default value** | **Description** |
| --- | --- | --- |
| **subsys** | 1.1.20 | Lock alarm subsystem. |
| **severity** | 5 | Lock alarm severity. |

**Note: The supp\_key of Lock alarm is ssr\_backup\_exportlock**

### RefDB section

| **key** | **Default value** | **Description** |
| --- | --- | --- |
| **table** | ssrbackup\_ref | SQL Table name. |
| **database** | CMDB\_Import | SQL Database name. |

Configure your database / table references here!

## Callback(s)

| **Name** | **Arguments** | **Description** |
| --- | --- | --- |
| **get\_info** | N/A | Get\_info to callback to know if the probe works well or not. |
| **lock\_export** | Val | Lock or unlock export routine. Lock export if you want to import massively. |
| **import\_group** | * profileName * groupOrigin * groupDestination * version | Import group profiles. The field **profileName is optional** (if not completed the script will import all profiles on the groupDestination). |
| **import\_specific** | * profileName * deviceName * version | Import device profiles. The field **profileName is optional** (if not completed the script will import all profiles on the device). |
| **reset** | deleteLocalFiles | Reset SQL table (truncate) and delete local XML files (if requested). |

**Note:** import\_group can be used to copy profile to a group ‘A’ to a group ‘B’. Both argument **groupOrigin** and **groupDestination** can be filled with the same value.

## Versionning

All profiles are versioned multiple times (the number of versions can be configured in the configuration with the key **setup/max\_profiles**). In the SQL Table we keep the exact number of rows set with max\_profiles, the version 1 is the older one.

For example if we have three profiles with versions: 14, 15, and 16.

Version 1 is equal to 14.

Version 2 is equal to 15.

Version 3 is equal to 16.

If someone updated the SSR profile a new row will be created with version 17 and version 14 will be removed from the table.

## Best practices

Don’t use too much thread (the thread pool is not created to handle more than 10 threads efficiently). And the self-service-cli doesn’t work very well with too much thread too.

Thread for import are permanent active thread. So one or two threads is enough. If you want to import a lot of profiles, don’t forget to lock the export with the callback **lock\_export** (Or start the probe with setup/lock\_export = 1).

## High availability

Because of local XML files you have to configure a shared drive if you want the probe to work on two or more hubs.

## SQL Table (request)

CREATE TABLE ssrbackup\_ref (

profileId int not null,

profileName varchar(255) not null,

template smallint not null,

group\_id int,

groupName varchar(100),

device\_id int,

deviceName varchar(100),

updated datetime,

created datetime DEFAULT GETDATE(),

ver\_id int not null DEFAULT 1,

cs\_id int

)

## Contact

For any question/support contact your CA representative.