

Documentation i-doit - OCS-Inventory Add-on

Dokumentationen ITSM Schnittstellen

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Table of Contents

1	Introduction	3
2	System requirements.....	4
3	Installation	5
4	Rights.....	6
5	Setup.....	7
5.1	OCS databases	7
6	Configuration	8
7	Import.....	9
8	Automatic import.....	11


1 Introduction

OCS Inventory NG (Open Computer and Software Inventory Next Generation) is an open source software for automatic inventory of hardware and software components as well as entire networks. The software is available on the official website at <http://www.ocsinventory-ng.org/> for various operating systems.

The OCS Inventory NG add-on offers an import interface to import both hardware and software objects from the OCS Inventory System directly into the i-doit CMDB.

2 System requirements

The current version of the OCS add-on requires at least i-doit version 1.18.2.
The interface is tested and supported for OCSInventory Server 2.6 to 2.9.2.

 Unless otherwise declared, this documentation refers to the current version of the OCS Inventory NG add-on.

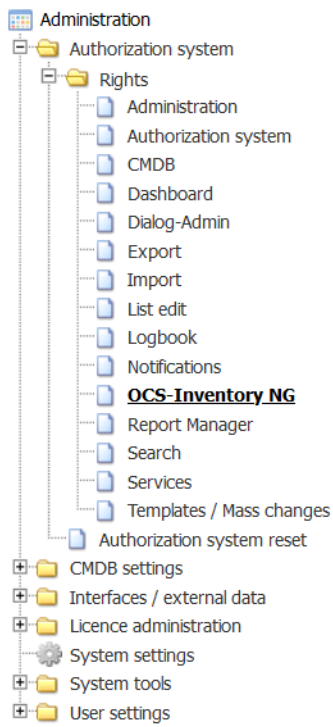
3 Installation

The installation of the OCS Inventory NG add-on follows the standard procedure for the installation of i-doit add-ons:

- Log in to the i-doit Admin Center.
- Go to the "Add-ons" tab
- Click on the "Install/update Add-on" button
- Select the ZIP package of the add-on
- Click the "Upload and install" button
- Ready

4 Rights

In order to be able to use the OCS import, the permissions for the OCS addon must be set under **Administration** → **Authorization system** → **Rights** → **OCS-Inventory NG**



Administration

Save Link to this page

Authorization system

Module: "OCS-Inventory NG"

Person / Group Person groups >> Admin

Load rights

Attention! Gray rows represent *inherited* rights of a group.

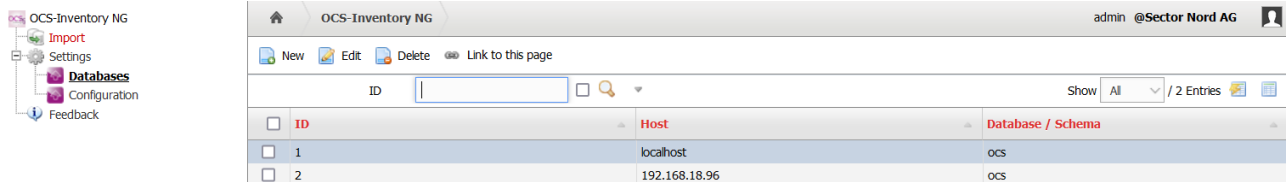
Condition						
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	refers to Import
<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	refers to Settings

New right

5 Setup

5.1 OCS databases

Access to the OCS databases can be configured under **Extras** → **OCS-Inventory NG** → **Settings** → **Databases**.
Multiple OCS instances can be specified:



Create/edit a new database connection:

Database setting	Description	Example
Host	IP/DNS address of the OCS server	127.0.0.1
Port	Port to access the database	3306
Database / Schema	Name of the database	ocs
Username	Database user with access rights to the OCS database	ocs
Password	User password	*****

6 Configuration

Under **Extras** → **OCS-Inventory NG** → **Settings** → **Configuration** some parameters for the handling of objects during import can be set.

Settings	Description	Example
Default import object type	Sets the default object type if no object type is selected during import and/or none of the prefixes take effect.	Client
Default Database	Sets the database that will be used as the default for import in the user interface and console.	127.0.0.1 - ocs
Tag-Prefix Server	Prefixes can be set for the object types "Server", "Client", "Router", "Switch" and "Printer". During the import process, the system checks whether one of the set prefixes is present in the tags or in the name of the OCS object. If the prefix matches, the object is imported into the corresponding object type. Wildcards like "%" are allowed.	srv, server% clt, client%
Tag-Prefix Client		
Tag-Prefix Router		
Tag-Prefix Switch		
Tag-Prefix Printer		
Only import known applications	Specifies whether the imported objects should only be linked to applications that already exist in the i-doit environment. If this option is set to No , those applications that do not yet exist in the i-doit dataset will be newly created and linked to the corresponding object.	Yes/No
Remove existing application assignments	This option can be used to remove existing application assignments to software objects that have already been created. The assignment is cleaned up before the import and filled with the new application links. The application objects are not deleted in the process.	Yes/No
Logbook active while importing	Activates entering all object changes in the logbook.	Yes/No
Object matching profile	The Object Matching Profile parameter specifies how already documented objects are to be identified. Identified objects are updated during data import.	Default

7 Import

Under **Extras** → **OCS-Inventory NG** → **Import** one or more objects can be imported from the OCS database into the i-doit CMDB.

The list of displayed objects can be sorted alphabetically by clicking on the individual column headers.

<input type="checkbox"/>	Tag	Object type	SNMP	Name	Operating System	IP Address	Date imported
<input type="checkbox"/>	CLT	Client	No	SNAG-CLIENT 1	CentOS Linux 7	192.168.18.51	2022-06-15 11:54:53
<input type="checkbox"/>	CLT	Client	No	SNAG-CLIENT 2	CentOS Linux 7	192.168.18.96	not yet

The import of the selected objects is started by clicking the "Import" button, which opens another window for selecting the categories:

Please select categories to be imported

- Operating System
- CPU
- Memory
- Software assignment
- Network
- Devices
- Drives
- Graphic card
- Sound card
- Model
- Interface

Import Abort

If the import is running, you will receive a status message at the end with information about the progress of the import.

The following additional settings are available for the import:

Settings	Description	Example
OCS databases	A list selection with the configured databases is provided here	127.0.0.1 - ocs
Recalculate object type for existing objects based on tags	Determines whether the object type for existing objects should be redefined based on the stored tag and tag-prefix matching. The determination can be manually adjusted afterwards.	Yes/No
Import all devices as	Determines the object type with which all objects are to be imported. The determination can be adjusted manually afterwards.	Client
Overwrite categories hostaddress and ports?	Purge the existing information from the "Host address" and "Ports" categories before importing.	Yes/No
Overwrite All Categories?	Purge all categories included by the import. A list of all categories can be viewed when running the import. Other categories, such as Accounting, are not deleted.	Yes/No
Logging	Sets the log level for the created log files. Less: Does not create a log file Detailed: Writes a log file with import information to /i-doit-PATH/log/ Detailed+Debug: Adds debug info to logging	less detailed detailed +debug

8 Automatic import

Using the i-doit [Console](#)¹, the import can be executed automatically, for example via a cronjob. The responsible [command](#)² is called **import-ocs**. The `--help` parameter can be used to display the following options:

Parameter (short version)	Parameter (long version)	Description
	<code>--ipPortOverwrite=IPPORTOVERWRITE</code>	Specifies whether host addresses and ports are cleared before import. Possible values: 1 = active, 0 = inactive
	<code>--allCatsOverwrite=ALLCATSOVERWRITE</code>	Determines if all cats selected for import should be purged before new import. 1 = active; 0 = Inactive
	<code>--databaseSchema=DATABASESCHEMA</code>	Selection of the database schema used for the import
	<code>--recalculateObjectType=RECALCULATEOBJECTTYPE</code>	Recalculation of object types for already existing objects based on tags. [default: false]
	<code>--objectType=OBJECTTYPE</code>	Specifies the standard object type that is used for the import
	<code>--file=FILE</code>	Specifying the file that contains the host names
	<code>--hosts=HOSTS</code>	Comma-separated list of host names to be imported
	<code>--snmpDevices=SNMPDEVICES</code>	Import of SNMP devices
	<code>--categories=CATEGORIES</code>	Specifies the categories to import. Possible values: <i>drive, ui, sound, application, memory, model, graphic, net, stor, operating_system, cpu</i>
	<code>--logging=LOGGING</code>	Activation of logging (1= normal logging, 2= debug level, default = 0)
	<code>--listObjectTypes</code>	Listing of all available object types


¹ <https://kb.i-doit.com/display/de/Console>

² <https://kb.i-doit.com/pages/viewpage.action?pageId=81723422#OptionenundParameterderConsole-import-ocs>

Parameter (short version)	Parameter (long version)	Description
	--listCategories	Listing of all available categories
	--usage	Detailed information on using the command
-u	--user=[USERNAME]	Username of a user who is authorized to execute
-p	--password=[PASSWORD]	Password for authentication of the previously specified user
-i	--tenantId=[TENANT-ID]	Tenant ID of the tenant to be used (default: 1)
-c	--config=[CONFIG-FILE]	Specifying the path to the configuration file
-h	--help	Help message for displaying further information
-q	--quiet	Quiet-Mode to deactivate output
-V	--version	Output of the i-doit Console version
	--ansi	Forces the output in ANSI format
	--no-ansi	Disables the output in ANSI format
-n	--no-interaction	Disables all interaction questions of the i-doit Console
-v / -vv / -vvv	--verbose	Increases the scope of the return. (1 = normal output, 2 = detailed output, 3 = debug level)

Example

```
sudo -u apache php console.php import-ocs --user admin --password admin --tenantId 1 --databaseSchema ocs --objectType C__OBJTYPE__CLIENT --categories=cpu,memory,net
```

 When importing, only one OCS database can be imported at a time.