# MATRIX42 IVANTI UEM Inventory Connector

## Description

Allows you to collect the list of computers managed in IVANTI UEM, with their inventory, and to feed the Assets in Matrix42.

✓ There are 16 inventory sections that are collected by default: Bios, Computer, Disk, FingerPrint, Hardware, LDAPUser, MassStorage, Memory, Network, OS, Processor, Sku, Software, SoundCard, System, Video.

✓ Suppliers and SKUs are created by the inventory and assets are associated with the corresponding SKU.

✓ The connector can be configured to manage multiple imports, each with its own frequency and scope. For example:
  o Servers once a week
  o New computers with only identification every 30 minutes
  o Software once a day

✓ The connector also allows you to collect up to 10 additional inventory sections without the need for code. For example:
  o Inventory the fibre channel cards of the servers

✓ The extension is simply installed from the pack installation in the administration console
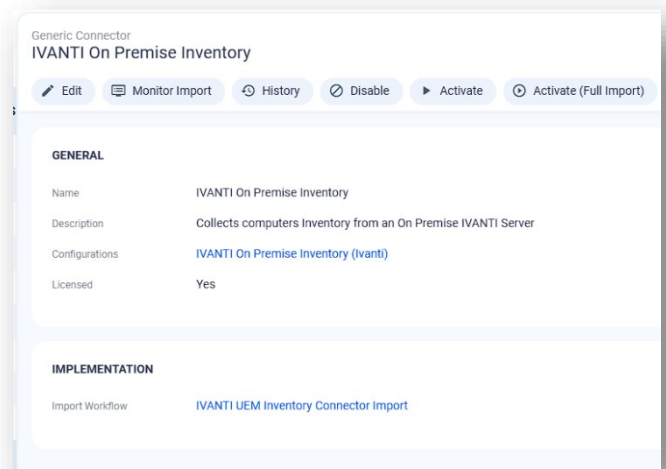
## Implementation

### Prerequisites

• Have a Worker on the LAN of the IVANTI server - (https://help.matrix42.com/030_DWP/020_WFStudio/Workflows/Workflow_Engine/Matrix42_Worker_Engine)

• Have a Data Provider Pool that contains the remote Worker (/wm/app-SolutionBuilder/search-page/f45bca46-d308-e711-e79b-bc5ff41a70c0)

• Have an account and password for IVANTI access

• Have a valid certificate on the IVANTI server or allow http connection

- Import the default column definition "Matrix42Export" in the IVANTI Server (https://zappsl.com/wp-content/uploads/2024/09/Matrix42Export.zip)

## Components

- 1 Data Provider (IVANTI On Premise Inventory)
- 25 Import Definitions
- 1 Ivanti Inventory Connector Mapping menu in the service catalog settings
- 2 Workflows
- 1 Engine Activation

## Principle

- A Workflow runs on the IVANTI server via the local Matrix42 Worker.
- Each inventory section is mapped with a type called IVANTI followed by the section name. For example, "IVANTI BIOS". And in case of non-parameterized sections, IVANTI CUSTOMnn followed by the section name, for example, "IVANTI CUSTOM01 PowerManagement"
- The Workflow generates one file per section, one file for SKUs and one file for Computer. The import definition is set in the Workflow based on the section name.
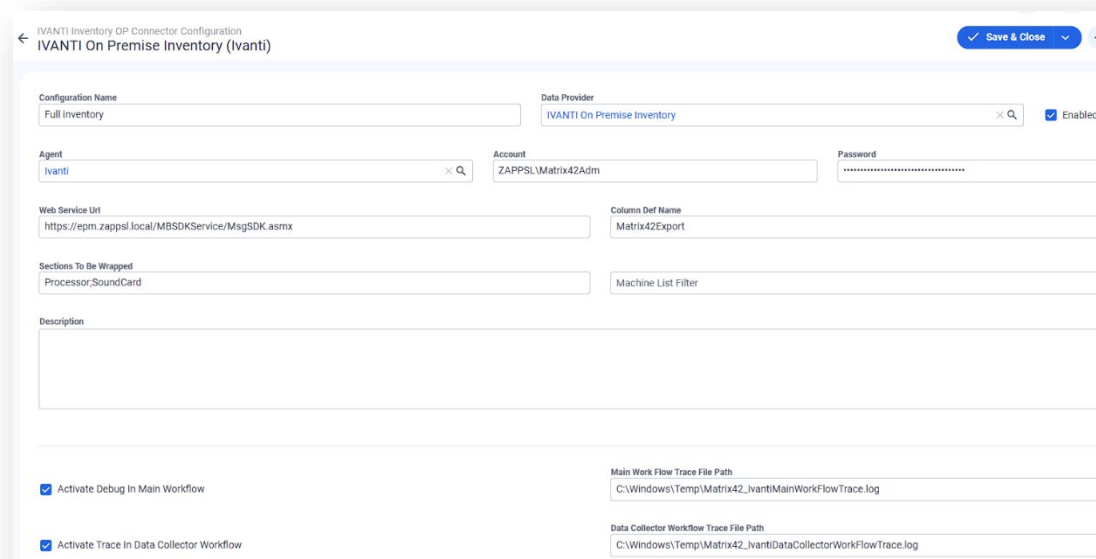
## Configuration

1. Check and complete, if necessary, the mapping between Ivanti and Matrix42 types (/wm/app-ServiceCatalog/search-page/275a16db-c15f-ef11-f5bf-005056a44773)
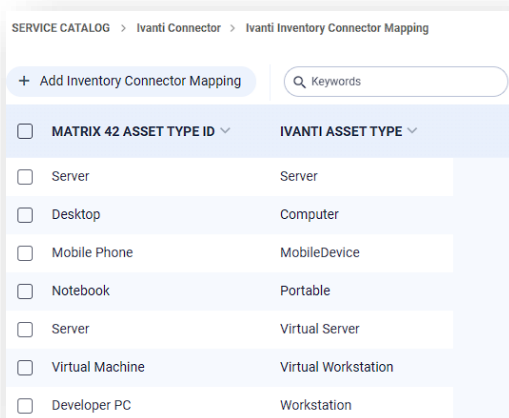


2. Configure the inventory data provider:
   a. Give a name to the configuration (Example: Full inventory)
   b. Select the connector (IVANTI On Premise Inventory)
   c. Select the agent. Must be the pool that contains the remote Worker.

d. Specify an account and password that will be used by the IVANTI UEM server
e. Specify the URL of the IVANTI server Webservice: https://<server fqdn>/MBSDKService/MsgSDK.asmx
f. Specify the column definition: Matrix42Export
g. Specify the sections that must be included in a main section. By default "Processor;SoundCard"
h. Specify a machine filter or leave the field blank to not filter. The filter is expressed in BNF (Backus Naur Form). More information is available on the IVANTI forum (https://forums.ivanti.com/s/article/Getting-Started-with-the-MBSDK-Example-Scripts-Included?language=en_US)
i. Enable or disable the logs of the main workflow and the data recovery workflow (Data Collector). The paths of the log files are configurable.



3. Activate the inventory data provider:
   a. Click "Activate" in the main screen of the data provider
   b. The "Monitor import" tab allows you to monitor the execution of the two Workflows and the execution of the data imports. In case of partial import or failure, the system moves on to the next import.
4. Schedule the execution of the data provider:
   a. Once the first data import is successful, it is advisable to schedule the execution of the data provider.

b. From "Show all engine activation search tab", check and modify the activation schedule "IVANTI UEM Inventory" if necessary
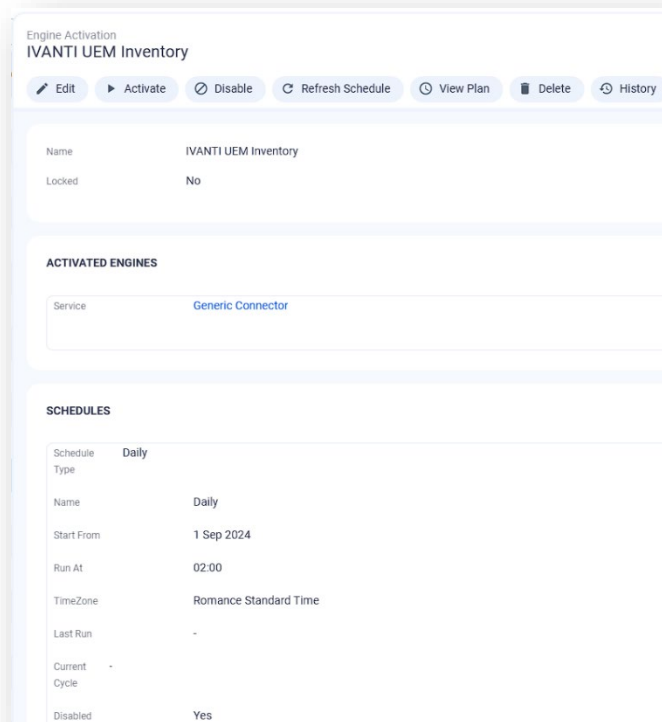


## Import an inventory section that is not set by default

1. Modify the data definition "Package item type" (SPSConnectorPackageItemPickupType) and one of the "IVANTI CUSTOMnn" records by adding the name of the section. For example "IVANTI CUSTOM01 PowerManagement"
2. Set the definition of the IVANTI CUSTOM01 import according to the data collected.
3. If necessary, modify the data provider to indicate whether the section should be framed. This is the case for, for example, processors that can be several rows per machine.

## Split inventory import

1. Create a new column definition in IVANTI (https://forums.ivanti.com/s/article/How-To-Configure-Custom-Column-Set?language=en_US)
2. Create a new data provider and configuration to use the new column definition