Inventory Plugin

Bacula Systems Documentation

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1 Overview

1.1 Features Summary

The **Bacula Enterprise inventory** plugin provides a framework that can be used to query components information for each Bacula client. The inventory information can be queried at will from bconsole.

2 Inventory Hooks

Inventory hooks are installed in `/opt/bacula/etc/inventory.d` and can be queried separately.

2.1 Basic

Linux

```
database-mysql.sh
database-postgresql.sh
```

Queries mysql and postgresql databases informations.

Windows

```
databases-mssql.ps1
hyperv-inventory.ps1
```

Queries mssql databases and hyper-V hypervisor information.

3 Installation

3.1 Configuration of the Bacula File Daemon

The `Plugin Directory` directive of the `File Daemon` resource in */opt/bacula/etc/bacula-fd.conf* should point to the location where the `azure-vm-fd.so` plugin is installed. The default directory is: */opt/bacula/plugins*

```
FileDaemon {
  Name = bacula-fd
  Plugin Directory = /opt/bacula/plugins
  ...
}
```

3.2 Installation of the Plugin

For more information about plugin installation see Linux: Install File Daemon (Client)

Windows

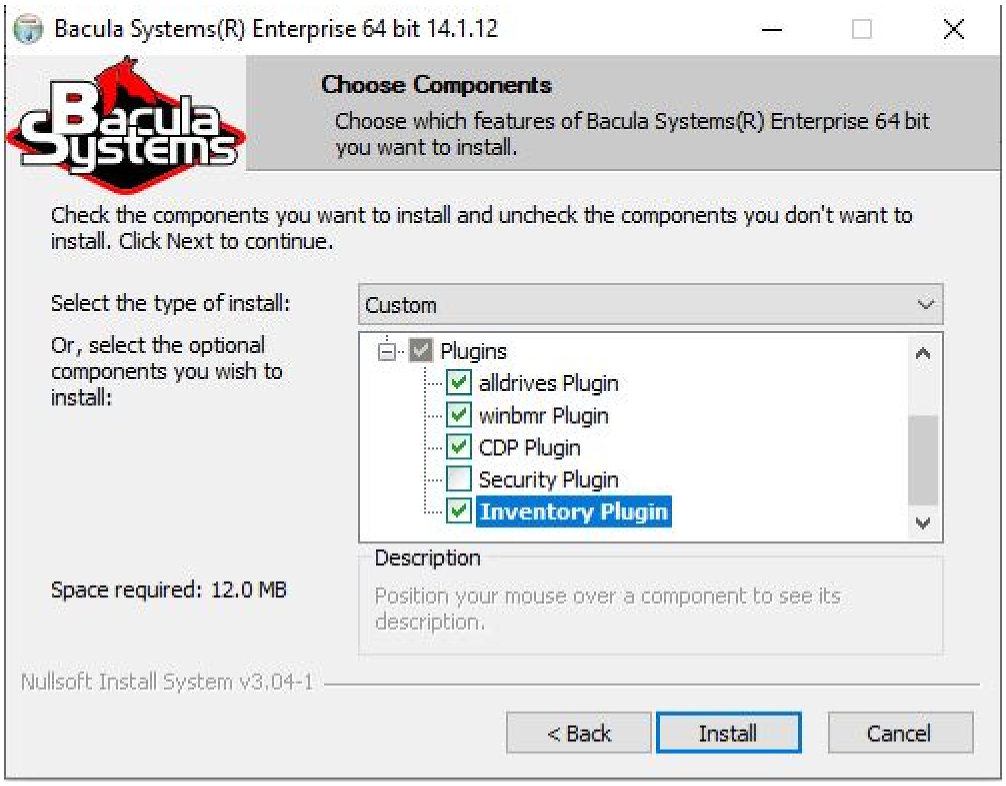
The **Bacula Enterprise inventory** plugin is selectable as a component of the **File Daemon** windows installer.

4 Example

From **bconsole**, run the following command:

```
.query parameter=database* client=localhost-fd plugin="inventory:"
```

The output provided by the hook is a JSON object with the following information:


Bacula Systems(R) Enterprise 64 bit 14.1.12

Choose Components

Choose which features of Bacula Systems(R) Enterprise 64 bit you want to install.

Check the components you want to install and uncheck the components you don't want to install. Click Next to continue.

Select the type of install: Custom

Or, select the optional components you wish to install:

- [✓] Plugins
  - [✓] alldrives Plugin
  - [✓] winbmr Plugin
  - [✓] CDP Plugin
  - [ ] Security Plugin
  - [✓] Inventory Plugin

Space required: 12.0 MB

Description

Position your mouse over a component to see its description.

Nullsoft Install System v3.04-1

Fig. 1: The inventory plugin in the File Daemon windows installer

```
{
   "result": [
      {
         "source": "mysql",
         "type": "Database",
         "info": "mysql  Ver 14.14 Distrib 5.7.34, for Linux (x86_64) using  EditLine␣
↪wrapper",
         "version": 1,
         "runscript": [
            {
               "name": "clientrunbeforejob",
               "run": "systemctl stop mysql"
            },
            {
               "name": "clientrunafterjob",
               "run": "systemctl start mysql"
            }
         ],
         "status": 1
      },
      {
         "source": "postgresql",
         "type": "Database",
         "info": "psql (PostgreSQL) 13.9 (Debian 13.9-0+deb11u1)",
```

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```
         "version": 1,
         "runscript": [
            {
               "name": "clientrunbeforejob",
               "run": "systemctl stop postgresql"
            },
            {
               "name": "clientrunafterjob",
               "run": "systemctl start postgresql"
            }
         ],
         "status": 1
      }
   ],
   "version": "1",
   "request": "*database*",
   "type": "inventory_report",
   "timesec": 1671718067,
   "hostname": "stretch",
   "uptime": 13698,
   "uname": "Linux stretch 5.10.0-20-amd64 #1 SMP Debian 5.10.158-2 (2022-12-13) x86_64"
}
```

Table 1: JSON fields

Option	Description
source version info error run-script	(String) Name of the hook (String) Version of the hook program (String) useful information (version, build, etc.) (Int) different from zero to raise an error (Array) suggestions on how to handle the component

5 Advanced

5.1 Hook Protocol Definition

inventory hooks can be written in any language. Some environment variables are passed to all hooks.

Table 2: Environnement variables

Option	Default	Description
BACULA_WORKINGDIR BACULA_SYSCONFDIR BACULA_BINDIR	/opt/bacula/working /opt/bacula/etc /opt/bacula/bin	Bacula Working directory Bacula Configuration directory Bacula Binary directory