

# Sysload Agent MO Group ("oamogroup") - Documentation

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## Short Description (as described in the "Short Description" field in the Marketplace)

The Agent shows a consolidated CPU information for a group of servers.

It also helps verifying target Sysload Agents are functional. The Agent verifies target Sysload Agents are up and that the history of data is available.

## Description (as described in the "Description" field in the Marketplace)

You can see this Agent as a high-level Agent that collects data from native Sysload Agents.

The Agent checks the status of Sysload Management Servers and their Monitored Objects.

The base for checking the target Monitored Objects is a MO Group in the Management Server where the target MOs are registered.

## Additional information

The target MO Group is a Monitored Object of the status Agent (Token consumption is hence one Token per target MO Group).

It displays some metrics concerning the target MO Group and Monitored Objects.

It can trigger Alerts:

- One Alert per target MO that could not be joined (i.e. the target Agent could not be joined)
- One Alert per target MO for which the history file check failed

Limitation:

- For the check on the history, a single metric can be used for the whole target MO Group
  - Workaround for working with different target Agent types: Define different target MO Groups in Management Servers, one per target Agent/MO type, and monitor the Management Server with this status Agent via different MOs (e.g. "prod01\_os, prod01\_sql") (i.e. one Monitored Object of the status Agent per target MO Group)

The status Agent presents the target MO Groups as Monitored Objects.

The status Agent can monitor several Management Servers, by defining several Monitored Objects.

Using a Monitored Object Group as a base of Monitoring target Monitored Objects allow you to use different settings and Monitoring options for the target Monitored Objects according to the business priority of the target MO Group they are a member of.

Notes:

- The Agent sources have been generated with a Sysload Studio version 5.80. It has not been tested to import it in a previous version but it should be compatible
- The Agent Sources are provided in version labeled "5.80"

## Prerequisites

- Sysload Studio server
- A Windows server for installing the Agent
- Powershell v3.0 installed on the Agent machine
  - To check the Powershell version running on a machine, you may run the following command from a Powershell prompt:

```
PS C:\> $PSVersionTable.PSVersion
```

It should return something like the following and "Major" shall indicate at least "3":

Major	Minor	Build	Revision
-----	-----	-----	-----
3	0	-1	-1

- A network access from the Agent machine to the target Sysload Management Server machine
- On the target Sysload Management Server: a MO Group (in any Class) containing the target MOs for the check

## Implementation procedure

- From Token Server web interface
  - Verify you have a license file valid for the version in which you generate the Agent setup, and that you have Tokens available - One Token "SA OPENAGENT" will be consumed per Monitored Object you configure in the status Agent
- From web interface of your Sysload Studio:
  - Import the Agent source files
  - Generate the Agent setup
- Download the Agent Resources for Management Server and install them:
  - On Management Server where the Monitored Objects of the status Agents will be registered
    - Required since version 5.80 for Agent configuration automation
  - On the Analyst GUI
    - Import Agent Resources for the Analyst GUI
- Download the Agent setup and copy it to the target machine for the status Agent
- On the target machine for the status Agent
  - Install and start the Agent
- In the Analyst GUI
  - If you enabled automation during the Agent setup, verify the Monitored Objects you configured during the Agent setup are registered in the Management Server you selected for this

## Configuration

- Some variables must be set:
  - In the script file \*.ps1
  - During the Agent Setup
- The Agent is compatible only with target Windows Agents and Unix (and OS/400, but not tested)

## Recommendations

- Name the Monitored Objects of the status Agent with the name of the Management Servers that are monitored (Management Server logical name as defined by the parameter "name"), followed by the name of the MO Group

- Example: If you monitor Monitored Objects via a Monitored Object Group "SAP Servers" in a Management Server "sldprod01", name the Monitored Object of the status Agent "SAP\_Servers\_sldprod01"
- Depending on the number of Monitored Objects in the target MO Group, the job may take time. Check that time and define the Agent iteration period accordingly

## Details on the script embedded in the Agent

- The script embedded in this Agent is a fork of the script "Agent MO Status" available on Automic Marketplace
- The functional test for history is done by querying a metric in the past
- Timeouts and number of MOs in batches of checks are defined in the Monitoring Script

## Releases

Version 5.80 b24

- Initial version

## FAQs

The script does not run, you get a message saying "is not digitally signed".

Correction:

- Right-click the script file, and then click "Properties"
- Click " Unblock"