

1•VIEW

ServiceTester Installation

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1. Introduction

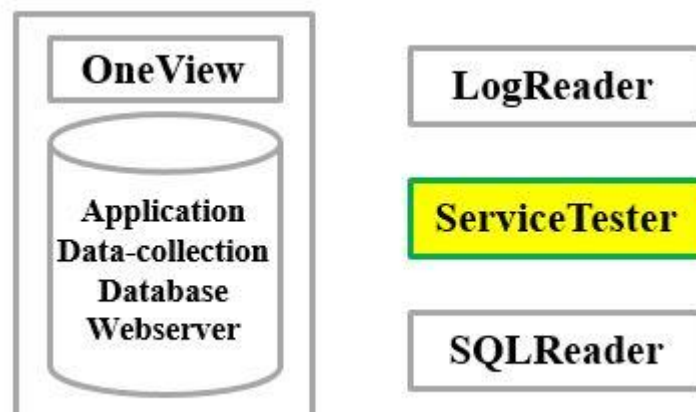
This document describes the installation of the OneView extender **OneView ServiceTester**. This extender actively tests different services for response time and availability.

Note: A valid OneView implementation will always include a single, central OneView server - and, optionally, OneView extenders. The OneView extenders may be installed on the same OS instance as the server, or, depending on server loads and network topology, the extenders may be installed on separate OS instances as stand-alone components reporting to the central OneView server. Multiple OneView extenders may be installed onto the same OS instance without conflict where server load or network topology makes this desirable.

To install the OneView server please refer to separate documentation for installation.

1.1 The OneView Software Package

OneView software is available as a zipped file from Monsalta. To start building a OneView system the following components are used:



1.2 OneView Software Download

Contact [Monsalta Support](#) to download the latest software package

The download page also contains information on the most important content of the release and if applicable a list of known issues related to this particular release. New software is released on a regular basis. Contact Monsalta in order to get information on the release schedule.

2. Hardware Recommendations

- 1 CPU quad core, 2GHz
- 4 GB Memory (2 GB required)
- 200 GB data disk space (50 GB required)

3. Software Requirements

- Windows XP, Vista, 7, 8, 2003, Server 2008, Server 2008 R2, Server 2012, Server 2012 R2
- Java Runtime Environment version 1.8 or later

4. Installation of OneView ServiceTester

4.1 Included Files

The following files included in the download must be installed:

OneViewServiceTester32.exe (32-bit executable)
OneViewServiceTester64.exe (64-bit executable)
OneViewServiceTester.jar (application)
bin/*
html/*
conf/*

4.2 Installation Directory

All OneView ServiceTester files are placed in a folder of your choice on your system. This folder is referenced as ONEVIEW_HOME\ServiceTester.

The default value for ONEVIEW_HOME is \$:\OneView\

4.3 Java Installation

Download the latest Java Server JRE 64-bit software for the installation of OneView and its extenders from the official Oracle website. A supported version tested by Monsalta is available for download from www.monsalta.com/download.

Unzip Java software to ONEVIEW_HOME in a directory for Java e.g. "jdk1.8.0_66".

4.4 Windows Services

When the OneView ServiceTester is installed a windows service by the name "OneViewServiceTester" is created and started. The service runs under the local system account and is started automatically on machine startup. The process name will be OneViewServiceTester32 or OneViewServiceTester64 respectively.

4.5 Install and Start Services

- 1) Unpack the files from the installation zip-file to a location on a local disk, e.g. ONEVIEW_HOME\ServiceTester
- 2) Copy ONEVIEW_HOME\ServiceTester\conf\OneViewServiceTester.conf.default to ONEVIEW_HOME\ServiceTester\conf\OneViewServiceTester.conf
- 3) Modify ONEVIEW_HOME\ServiceTester\conf\OneViewServiceTester.conf file with information about the location of OneView server. (see chapter 5)
- 4) Open a command prompt window as “administrator” and change directory to ONEVIEW_HOME\ServiceTester
- 5) Execute the command:

```
ONEVIEW_HOME\jdk1.8.0_66\bin\java -jar OneViewServiceTester.jar install
```
- 6) Start the **OneViewServiceTester** service:

```
net start OneViewServiceTester
```
- 7) Exit the command window

5. OneViewServiceTester.conf

This file contains the configuration parameters of the OneView ServiceTester. The file is a standard java properties text file containing one parameter and value per line:

<parameter>=<value>

Lines can be ignored by prefixing with a #-sign like this:

#<parameter>=<value>

5.1 Parameters

The valid parameter names can be found in the following table:

Parameter	Description	Default Value
OneView.url	URL of OneView server, e.g. http://127.0.0.1:1234/log	http://127.0.0.1:1234/log
serviceInstance	Optional instance name. Used when deploying more instances of extender on the same host. Cannot contain blanks or special characters. Windows Service Name will be “OneViewServiceTester” + instanceName	

description	Descriptive text for this extender which is passed on to OneView Server.	
OneView.sid	OneView Source ID prefix. A text string that identifies the source of performance data	ServiceTester
debug	Specifies whether debug information should be written to stdout. Values can be "true" or "false".	false
http.port	Web server port number	1235
http.treads	Web server maximum http threads	10
http.localhost.only	Web server listens to local loopback adapter only	true
http.connection.timeout	Connection timeout to OneView server (millis)	10000
http.socket.timeout	Read timeout against OneView server (millis)	30000
http.useInsecureSSL	Do not check OneView Server SSL certicate	true
api.host	Hostname of Cloud API server in the format <host>[:port]	sms.oneview.eu
api.key	API-key to use for authentication when communicating with Cloud API-Server. API-keys are retrieved from Monsalta.	
cloud.enabled	When set to true, the ServiceTester will communicate with a Cloud API-server instead of a OneView server instance. The parameter api.key must be set to a valid value.	false
cloud.serverKey	Server key of Oneview server to register with. If not provided a random server among all servers from same customer is choosen. (optional)	-
threads	Maximum number of test threads. Determines how many tests can be performed simultaneously.	5
threads.webrobot	Maximum number of started web robots. Determines how many web robots can be running simultaneously.	2
startup.secs	Test ramp up time in seconds	60

krb5.conf	<p>Path to Kerberos v5 configuration file. If not set krb5.realm and krb5.kdc are used.</p> <p>Example:</p> <pre>[libdefaults] default_realm = MYDOMAIN.NET [realms] MYDOMAIN.NET = { kdc = dc1.mydomain.net } [domain_realm] .mydomain.net = MYDOMAIN.NET mydomain.net = MYDOMAIN.NET</pre>	-
krb5.realm	Kerberos default realm, fx. MYDOMAIN.COM	-
krb5.kdc	Kerberos server, fx. dc1.mydomain.com	-
dns.servers	Optional list of DNS server IP-addresses separated by white space.	-
data.dir	<p>Root directory for all data directories.</p> <p>Useful in environments where data is placed on a different volume than software.</p> <p>Defaults to the extender installation directory</p> <p>Example usage: data.dir=F:\OneViewData</p>	-
availableDataLimitWarningMBytes	OneView Health Check issues a warning if available disk space on data volume is less than this value in MBytes.	1024
availableDataLimitFailureMBytes	OneView Health Check will fail if available disk space on data volume is less than this value in Mbytes.	100

5.2 Configuration File Examples

The following example makes use of some of the parameters explained above. Please refer to the tables above to investigate the effect these configurations have.

5.2.1 OneView Server Example

```
OneView.url=http://oneview.company.int:1234/log
OneView.sid=ServiceTester
debug=false
serviceInstance=Local
```

5.2.2 Cloud Server Example

```
api.key=xxxxxxxxxxxxxxxxxxx
cloud.enabled=true
```

```
cloud.serverKey=1eTuYfvSdciE7pjDrIRuGR7VPDePzXcl0TJsrAgr  
debug=false  
serviceInstance=Cloud
```

6. Setup Service Tester

Once installed and configured you may continue to setup measurements, please refer to document “OneView Service Tester” at the Monsalta documentation website: <http://monsalta.com>

7. How to Uninstall the OneView ServiceTester

7.1 Remove service

- 1) Stop the OneView service: `net stop OneViewServiceTester`
- 2) Remove the OneView service: `java -jar OneViewServiceTester.jar uninstall`

7.2 Remove files

- 1) Remove the files in directory: `ONEVIEW_HOME\ServiceTester`
- 2) Delete directory: `ONEVIEW_HOME\ServiceTester`