



Virtual User Generator

Software version: 26.1-26.3

VuGen Installation Guide

Go to Help Center online

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Welcome

Welcome to the Virtual User Generator Installation Guide.

VuGen is a tool for creating virtual user (Vuser) scripts, primarily through recording. Vuser scripts emulate users without a graphical user interface by using direct function calls.

This guide describes installation and set up.

Help Center

Access context sensitive help for product components by pressing F1 within a dialog box, or use the Help menu.

You can access the Help Centers on the web.

- <https://admhelp.microfocus.com/lr/>
- <https://admhelp.microfocus.com/vugen/>

When you open a link to a Help Center, make sure that the relevant product version is selected.

You can also download and install local versions of the help. For details, see [Download Help Centers](#).

To switch between online and local modes, select **Help > Help Center Options > Open Online** or **Open Locally**.

Note:

- To view the Help Center in a browser or within VuGen, make sure JavaScript (Active scripting) is enabled in your browser settings.
- If the online Help Center is unavailable at the start of an application session, the **Open Online** option might remain disabled during the whole session with that application.

Prepare for installation

This section provides information on the installation packages, and notes and known issues.

Installation packages and requirements

You can access the installation packages from the [free trial](#) page, or by selecting your account on the [Software Licenses and Downloads](#) page.



Tip: You can download VuGen, OpenText Performance Engineering for Developers, VTS, and more, for free from [Marketplace](#).

Additional components (such as Citrix or other agents) can be found in the installation package's **Additional Components** folder. For details and installation instructions, see Components and applications in the [Help Center](#).

The following information can be found in the Support Matrix in the [Help Center](#):

- System requirements for running components on the relevant platforms.
- A full list of components that can be installed on the same physical machine at the same time.

Notes and known issues

Before beginning installation, review the information below.

For additional notes and limitations, see Known issues in the [Help Center](#).

Item	Description
Security review	We strongly recommend that you install the components on dedicated machines that do not contain, or provide access to, sensitive information; and that you do a thorough security review of the network topology and access levels in your testing environment.

Item	Description
Virtual environments	The architectures provided by virtualization vendors are rapidly evolving. VuGen is expected to function as designed in these changing environments, as long as the third-party vendor guarantees full compatibility of the virtualized environment with the VuGen-approved hardware requirements. If you follow the system requirements and support matrix to create the virtual machine, the product will work correctly. Working on top of a virtual machine may require access to the virtualization server hardware/monitoring environment, to ensure the virtualization server is not saturated; otherwise, this might obscure the virtual machine's measurements and lead to false results.
Permission requirements	The installation process for VuGen requires a full administrator account for all operating systems. You can install components with UAC and DEP enabled, but we recommend to keep them disabled during installation (or enable DEP for essential Windows programs and services only). After installation, VuGen can run under a standard user account (an administrator account is not required), with UAC and DEP enabled.
Antivirus applications	It is recommended that you close all antivirus applications before installation.
Running Java Vusers on Windows	OpenJDK 32-bit is no longer automatically installed. To work with Java protocols, you need to manually install a supported version of the JDK. VuGen uses internal logic to automatically detect your JRE version. For details, see Set up the environment for Java protocols.
Coexistence with OpenText Functional Testing	If you install VuGen and OpenText Functional Testing on the same machine, and then uninstall one of them, the remaining software program may not function correctly. Resolution: Run a Repair of the software program you want to use on the machine.
Custom certificates	When upgrading from version 12.55 or earlier, if you used custom certificates in your previous installation, install them again when prompted for certificates during setup. Otherwise, the setup program will overwrite them using the defaults.

Item	Description
Network Virtualization	• When upgrading from a version prior to 12.50, you must manually uninstall all Network Virtualization components before running the installer. • If a firewall is active, open the NV default port 8182 (or another port you select during installation) for TCP. You can set up an exception to Windows Firewall by selecting custom installation in the NV Setup wizard. • If you choose to install NV automatically (as part of a full installation), you must deactivate Windows SmartScreen before proceeding with the NV installation. Do the following: a. Open HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\Explorer in the Registry Editor b. Change the Value data for SmartScreenEnabled to Off. Note: You do not need to deactivate SmartScreen when installing NV individually.

See also

Install VuGen

This section describes how to install VuGen on a Windows platform.

This section includes:

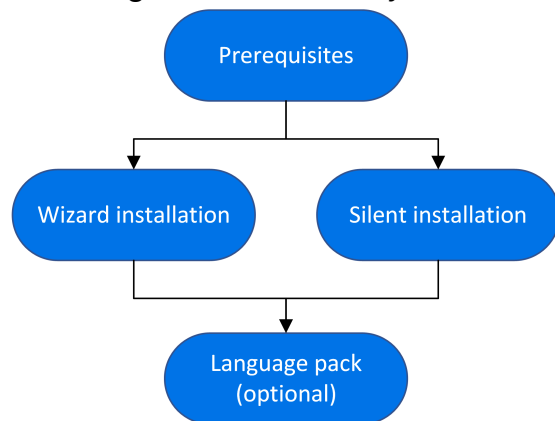
Workflow for installation and upgrade

The installation package includes the Setup wizard that guides you through the install process.

The final stage of the installation includes the optional installation of Network Virtualization.

Installation workflow

Installing on a Windows system involves the steps shown below:



1. Prerequisites

- Make sure that your system meets the hardware and software requirements. For details, see the Support Matrix in the [Help Center](#).
- Review the information here: "[Prepare for installation](#)" on page 5.
- Installation must be performed on the destination machine. Installation using terminal service is not supported.

2. Run the setup

- **Wizard installation:** To run the installation using the Setup wizard, see ["Install components using the Setup wizard" below](#).
- **Silent installation:** To perform a silent installation, see ["Install components silently" on page 11](#).

After you run the setup, run any patch installations if necessary.

3. Install a language pack (optional)

After you complete the installation, you can install a localized version to view the user interface in your local language. For details, see ["Install a language pack" on page 14](#).

Upgrade your installation

The installation package provides a full installation that can be installed over any previous version, 12.5x and later.

To upgrade all components in your Windows installation using the Setup wizard, follow the installation process as described in ["Install components using the Setup wizard" below](#). The installation process detects the older version and gives you the option to upgrade.

For silent upgrade, see ["Install components silently" on page 11](#).

See also

Install components using the Setup wizard

This section describes how to install VuGen using the Setup wizard.

To install components:

1. Make sure the Windows Update process is not running on your machine.
2. Run the **setup.exe** file in the root folder of the installation package. The installation begins and displays the installation options.
3. Select the required installation option/components.
4. Prerequisite software needs to be present on your Windows machine before you can perform an installation. For details, see the Support Matrix in the [Help Center](#). If the required software is not already installed on your computer, a dialog box opens displaying the list of prerequisite programs that are required.

Click **OK** to install the listed software before continuing with the installation.

The Setup wizard opens, displaying the Welcome page. If you click **Cancel**, the Setup wizard exits because the product cannot be installed without the prerequisite software.

After installing prerequisite software, the machine might restart. If that occurs, rerun **setup.exe**.

5. Follow the instructions in the wizard to complete the installation. The default installation path is: **C:\Program Files (x86)\OpenText**. If you provide a different path, make sure that the installation path uses only non-English characters.
6. After the installation is complete, you can choose to install Network Virtualization (NV). For details on the NV installation modes (**Typical** or **Custom**), see ["Install NV using the Setup wizard" on page 17](#).
7. If there is a patch available for the installed version:
 - a. Run the patch installation file provided with the installation package.
 - b. Follow the on-screen instructions.

Note:

- The default installation path is: **C:\Program Files (x86)\OpenText**
- To change, repair, or remove (uninstall) your installation, run the **setup.exe** file located in the root directory of the installation package. Select **OpenText Professional Performance Engineering**, and then select the

relevant operation in the Setup dialog.

- For a list of the components that were registered during setup, such as **DLL** and **OCX** files, see the **RegisteredComponents_OpenText <product>.txt** file in the **build_info** folder of the installation.

See also

Install components silently

A silent installation is an installation that is performed without the need for user interaction. You use the command line to run the setup files. For details, see ["Installation command line options" on the next page](#).

Note: Use standard MSI command line options to define installation properties. For example, use **INSTALLDIR** to specify an alternate installation folder.

To perform a silent installation:

1. Run one of the following commands from the command line:

- To install VuGen and OneLG:

```
<Installation_package>\Standalone Applications\SetupVuGen.exe  
-s -sp"/s"
```

```
<Installation_package>\Standalone Applications\SetupOneLG.exe  
-s -sp"/s"
```

- To install additional components:

```
<Installation_package>\Additional Components\<setup_file_path>  
/s /a /s
```

2. If you are installing an upgrade, run the following command:

```
msiexec.exe /update <full path to msp file> [/qn] [/l*vx <full path to log file>]
```

The msp files are included in the installation package.

See also

- ["Install VuGen" on page 8](#)
- ["Prepare for installation" on page 5](#)

Installation command line options

You can install VuGen or one of the additional components using the Package for the web (PFTW) files that are included with the installation media. The installation files are located under the **Standalone Applications** or **Additional Components** folders on the installation media.

Double-click on the packaged file, or run it from the command line using the following options:

Option	Description
/s	Runs the installation in the background (silently), with no user interaction.
/e	Only extracts the installation files; does not run them.
/f	Specifies the path of a temporary folder for file extraction. For example: /f "c:\my_temp_folder" If you leave out this option, the default temporary folder is used.

Option	Description
/a	Allows you to pass parameters or properties to the autorun file, such as SetupVuGen.exe. The following properties are available: INSTALLDIR="<i>your_path</i>". Specifies the location where the application will be installed. REBOOT_IF_NEED. Default: 0 1: Reboots the machine after installation, if required. This is recommended if you include the installation of NV. 0: Does not reboot the machine after installation. NVINSTALL Default: 1 Empty string: Excludes the installation of the NV component. 1: Includes the installation of the NV component. INSTALL_NV_MODE. Default: 1 1: Sets the NV installation mode to Typical. 2: Sets the NV installation mode to Custom. INSTALL_DIR="<i>your_path</i>". Specifies a path for the installation. IMPROVEMENTPROGRAM. Default: 1

Note: Silent installation for VuGen and OneLG: If you need to insert a quotation mark character into the command line parameter, use two consecutive quotation marks.

Examples

The following commands silently run setup, and install the application in the specified folder. Where relevant, they also start the agent after installation:

- Examples for **SetupVuGen.exe** and **SetupOneLG.exe**:

```
SetupOneLG.exe -s -sp"/s" INSTALLDIR=""C:\Program Files
(x86)\OpenText\Performance Engineering OneLG"" IS_RUNAS_SERVICE=0
```

```
START_LGA=1 NVINSTALL=N"
```

```
SetupVuGen.exe -s -sp"/s" INSTALLDIR=C:\VuGen"
```

- Examples for **other standalone applications**:

```
SetupAnalysis.exe /s /a /s INSTALLDIR="C:\Analysis"
```

```
SetupMIListener.exe /s /a /s INSTALLDIR="C:\MiListener"
```

```
SetupMoFW.exe /s /a /s INSTALLDIR="C:\MoFW"
```

See also

Install a language pack

The language packs enable you to view the user interface in your local language. You install the language pack for the relevant component from the installation package.

For a list of supported languages, see the Support Matrix in the [Help Center](#).

The language packs are supported for native non-English operating systems only.

Important: The native language of the operating system must be the same as the language pack you are installing. For example, the Spanish language pack must be installed on a machine with a native Spanish operating system.

To install a language pack:

1. Make sure that VuGen in English is already installed.
2. In the root folder of the installation package, run **setup.exe**. The installation program begins and displays the installation options.

3. Click **Language Packs**. The Language Packs folder in the installation package opens.
4. Navigate to the folder for the language and component you want to install and run the installation file. For example, to install the French language pack on a VuGen standalone machine, the path is **..\Language Packs\French\VugenSA\Vugen_FRA.msp**.
Follow the online instructions.

See also

Install Network Virtualization

Network Virtualization (NV) can be installed as part of the main installation process, or later as a separate process. You can install NV using the Setup wizard, or silently.

NV installation files

The NV installation files can be found in the **Additional Components/Network Virtualization** folder of the installation package. Install the required NV components on the machine, as follows.

Component	Required NV components	NV installation files
Full Virtual User Generator installation OpenText Enterprise Performance Engineering Host	• NV for Controller • NV for Load Generator and VuGen	• NV4ControllerSetup.exe • NV4LGSetup.exe
OpenText Enterprise Performance Engineering Server	NV for Enterprise Performance Engineering	NV4ServerSetup
VuGen	NV for Load Generator and VuGen	NV4LGSetup.exe
Load generator (standalone)	NV for Load Generator and VuGen	NV4LGSetup.exe

NV installation logs

NV installation logs are located in the **C:\Temp\NV_Logs** folder.

NV post-installation tasks

After installation, if you installed NV on load generators that have more than one network interface card, you must set the active adapter for each load generator. For details, see [Customize NV settings in the Help Center](#).

See also

Install NV using the Setup wizard

Install NV using the Setup wizard. You can run the Setup wizard as part of component installation, or as a separate process.

To install NV using the Setup wizard:

1. Run the relevant installation file to open the wizard. For details, see ["NV installation files" on the previous page](#).
2. Select an installation mode.
 - **Typical:** Installs with default options.
 - **Custom:** Enables you to configure the following options before installation. Some options are enabled only when running the first NV installation on a machine.

Option	Details
Destination Folder	Location of the NV program files. Default: C:\Program Files\OpenText\NV
Data Folder	Storage location for temporary internal application data and user data, such as test run results. Default: C:\ProgramData\OpenText\NV
Server Port	◦ NV for Load Generator and VuGen: The port that is used to retrieve NV statistics. ◦ NV for Controller: The port that is used for internal NV communication on the machine. Default: 8182

Option	Details
Enable Remote Connections	Adds an exception to Windows Firewall. Required for NV for Load Generator.

3. Follow the rest of the on-screen instructions to complete the installation.

See also

NV silent installation

NV is set to install by default when you install components silently. If you opted not to install NV at that time, you can run a separate, silent NV installation.

Install NV silently

The following steps describe the silent installation process.

To run a silent NV installation:

1. Prerequisites:
 - Make sure the Microsoft SmartScreen Filter has been turned off.
 - You must run the installation with administrator privileges.
2. Run the following command with the relevant command line options.

```
<installation_file> /s /v"/qn <command_line_options>"
```

Example:

```
NV4LGSetup.exe /s /v"/qn PORT=8182"
```

Command line options:

Option	Details
PORT=<port number>	(Required) The port used to connect. Default value: 8182
INSTALLDIR=\"<path to installation folder>\"	(Optional) The location where the application files will be installed. Default value: C:\Program Files\OpenText\NV
ENABLE_REMOTE=<TRUE FALSE>	(Optional) Opens the port in the firewall. Required for enabling remote access to web-based NV components. Default value: TRUE
REBOOT_IF_NEED=<TRUE FALSE>	(Optional) If a reboot is required, automatically reboots the computer after installation completes. Even if set to FALSE, you need to reboot the machine before NV for Controller is operational. Default value: FALSE
DATA_FOLDER=\"<path to data dir>\"	(Optional) The location where temporary internal application data and user data is saved. Default value: C:\ProgramData\OpenText\NV

Uninstall NV silently

To uninstall NV silently, run the following command:

```
<installation_file> /s /removeonly /v"/qn PORT=<port number> REBOOT_IF_NEED=<TRUE | FALSE>"
```

Example: NV4LGSetup.exe /s /removeonly /v"/qn PORT=8182 REBOOT_IF_NEED=<TRUE | FALSE>"

See also