

Set Up Silent Installation

This page provides information on setting up V-Ray Swarm through a silent installation and removing V-Ray Swarm through a silent uninstallation.

[Download V-Ray Swarm](#)

Overview

A silent installation allows you to complete V-Ray installation without user input during the process using a predefined set of options. To set up a silent installation, you need to perform two steps: creating an .xml file and running the installer.

You can remove V-Ray from your machine similarly through a silent uninstall.

Creating the .xml file

Run the installation file from the command prompt with the **-gui=0** argument

`vrswrn-installer-win.exe -gui=0`

Follow the instructions of the install and set-up the installation the way you want to have it on all machines. This will create a file named **`config.xml`** in the folder of the installation file.

Running the installer

In the second step you run the installer with the following command:

```
vrswrn-installer.exe -configFile="config.xml" -gui=0
```

This will cause the installer to read the variable values from the .xml file and do the installation without user input. If you do not specify the '-quiet=1' option, the installer will ask for a confirmation of each variable before proceeding.

Configuration File

The config.xml file holds configuration information about the settings of the installation. Below is an example of such a config file.

Example installer config XML file: xml_file.xml

```
<DefValues>
  <Value Name="REVERT_INSTALL" DataType="value">1</Value>
  <Value Name="REVERT_UNINSTALL" DataType="value">0</Value>
  <Value Name="SWARM_PORT" DataType="value">24267</Value>
  <Value Name="TTL_DEFAULT_VALUE" DataType="value">1</Value>
  <Value Name="AUTO_DISCOVERY" DataType="value">1</Value>
  <Value Name="STDROOT" DataType="value">C:\Program Files\Chaos Group\V-Ray\Swarm 1.4</Value>
  <Value Name="CONFIG_ROOT" DataType="value">C:\Program Files\Chaos Group\V-Ray\Swarm 1.4/config</Value>
  <Value Name="SHORTCUTS" DataType="value">1</Value>
  <Value Name="FIREWALL_EXCEPTION" DataType="value">1</Value>
  <Value Name="DISCOVERY_COORDINATOR" DataType="value"></Value>
  <Value Name="DISCOVERY_ALTERNATE_COORDINATOR_1" DataType="value"></Value>
  <Value Name="DISCOVERY_ALTERNATE_COORDINATOR_2" DataType="value"></Value>
  <Value Name="INITIAL_CONFIGURATION_PATH" DataType="value"></Value>
<LicServer>
  <Host>localhost</Host>
  <Port>30304</Port>
  <Host1></Host1>
  <Port1>30304</Port1>
  <Host2></Host2>
  <Port2>30304</Port2>
  <User></User>
</LicServer>
</DefValues>
```

Below is a description of the variables of the installer:

AUTO_DISCOVERY	When set to 1 V-Ray Swarm will try to discover other nodes automatically. When set to 0 the DISCOVERY_COORDINATOR variable should be set to the IP of the machine where the Coordinator will run. Defaults to 1
DISCOVERY_COORDINATOR	Specifies The IP address of the machine which will be used as a coordinator (required if AUTO_DISCOVERY is set to 0)
DISCOVERY_ALTERNATE_COORDINATOR_1	Specifies the IP address of a machine, which will be used as a fallback coordinator if the primary coordinator is not available (optional).
DISCOVERY_ALTERNATE_COORDINATOR_2	Specifies the IP address of the second fallback coordinator. (optional)
INITIAL_CONFIGURATION_PATH	Specifies the absolute path to a swarm-config.json file to be used as the initial configuration for the new Swarm installation. This allows discovery settings, tags, environment variables , V-Ray settings and other config options to be configured at installation time. See the example file below.
SWARM_PORT	Specifies the port on which the Swarm nodes communicate. Defaults to 24267
TTL_DEFAULT_VALUE	Specifies the Multicast TTL value used when AUTO_DISCOVERY is turned on. Defaults to 1 (same subnet)

Swarm-Config.json Silent uninstallation

Users can get this file from the working directory, which is:

- Unix: `~/ChaosGroup/vray-swarm/work/vray-swarm/`
- Windows: `C:\Program Files\Chaos Group\V-Ray\Swarm 1.4\work\vray-swarm`

If V-Ray Swarm is uninstalled, a copy of this file is stored in:

Example swarm-config.json file:

Example installer config XML file: xml_file.xml

```
{
  "vray": {
    "port": 20208,
    "numberOfThreads": 0,
    "overrideLicense": false,
    "envVars": {
      "var1": "var1value",
      "var2": "var2value"
    },
    "licenseServer": {
      "host": "127.0.0.1",
      "port": 30304,
      "port1": 30304,
      "port2": 30304
    }
  },
  "tags": [
    "Default", "Tag1", "Tag2"
  ],
  "discover": {
    "autoDiscover": false,
    "coordinators": ["10.10.10.10:24267"]
  }
}
```

There is another config file, the **config.yaml**, which is in the install directory, is loaded when V-Ray Swarm loads. The discovery options and network settings are overridden if there is runtime configuration (**swarm-config.json**) or there is provided a path to configuration to load (**configFilePath: some/path**).



Once V-Ray Swarm is installed direct editing of config.yaml and swarm-config.json is discouraged, since this is not the intended workflow.

vray.port	The network port on which the V-Ray standalone should listen for a request. Equivalent to the portNumber command-line option. Defaults to 20208
vray. numberOfThr eads	The number of threads that V-Ray Standalone should use. When set to 0 V-Ray will use the number of threads equal to the number of logical processors. Defaults to 0
vray. overrideLicen se	If set to false the system-wide vrlclient.xml file will be used for license information. If set to true the licenseServer entry will be used to generate vrlclient.xml file for V-Ray Standalone to use. Defaults to false
vray.envVars	The entries listed here are environment variables that will be set for V-Ray Standalone when it starts.
licenseServer	The entries listed here are the same as the ones in vrlclient.xml. Note the everything is in lower case and the port numbers are not surrounded by quotes.
tags	A list of tags for the Swarm instance. This list should not be empty. Each tag should be surrounded with quotes.
discover. autoDiscover	If set to true the Swarm instance will try to discover other instances in the network automatically. If set to false then a list of coordinators should be provided. Defaults to true

discover. coordinators

A list of IPs of machines where Swarm coordinators run. This list should not be empty if discover.autoDiscover is set to **false**.

Silent uninstallation

You can use a command to perform a silent uninstall. In order to do that you need to know the full path of the folder containing V-Ray additional files and the exact name of the product, you want to uninstall. Then you can execute the following command:

```
"<STDROOT>\uninstall\installer.exe" -uninstall="<STDROOT>\uninstall\install.log" -uninstallApp="<PRODUCT_NAME>"  
-gui=0 -quiet=1
```

where <STDROOT> is the destination folder and <PRODUCT_NAME> is the product name i.e. "V-Ray Swarm"

For example, the following command will uninstall V-RaySwarm:

```
"C:\Program Files\Chaos Group\V-Ray Swarm\uninstall\installer.exe" -uninstall="C:\Program Files\Chaos Group\V-  
Ray Swarm\uninstall\install.log" -uninstallApp="V-Ray Swarm" -gui=0 -quiet=1
```