

Nagios Core Services Platform (CSP) Installation Guide

Nagios CSP installation guide

This document is intended to outline the steps required to download and install the Nagios Core services Platform on its compatible Linux distributions and Windows operating systems and macOS.

Platform Support

See [Nagios Software / OS Supported Versions](#)

If you discover bugs or have fixes for installing Nagios XI on other platforms, please let us know. We will do our best to incorporate your improvements to expand support for additional platforms in future XI releases, which will make future installation processes smoother for you and your clients.

Terminal Access

For Linux installations these instructions require you to establish a terminal session to the server in which you plan to install Nagios CSP on. You will need to login as the root user to perform the installation (or a user with root privileges).

The primary featured monitoring solution on the CSP distribution is Nagios XI. This guide will take you through the steps involved in getting the Nagios XI virtual machine that is part of the CSP distribution up and running on the following operating systems:

- **Linux (page 2)**
- **Windows (page 5)**
- **macOS (Page 9)**

If you run into problems with installation or configuration of Nagios XI or the CSP distribution, please contact our team on the community support forum at: <https://www.nagios.org/community>

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Install Nagios CSP on Linux

This guide will detail how to obtain the Nagios CSP .iso or .zip file in supported Linux distributions, using wget. Execute the following command in your terminal session:

```
wget https://assets.nagios.com/downloads/csp/CSP-latest.iso
```

```
wget https://assets.nagios.com/downloads/csp/CSP-latest.zip
```

Installing the .iso

1. Create a Mount Directory

First, create a directory where the ISO file will be mounted. This is just a location in the filesystem where you will "view" the contents of the ISO.

```
sudo mkdir /mnt/iso
```

2. Mount the ISO

Assuming you have the ISO file in a certain path (e.g., /path/to/file.iso), you can use the mount command to attach it to the /mnt/iso directory.

```
sudo mount -o loop /path/to/file.iso /mnt/iso
```

-o loop tells the system to treat the ISO file like a block device, which is necessary for mounting.

Replace /path/to/file.iso with the actual path to your ISO file.

3. Access the Mounted ISO

After the ISO is mounted, you can navigate to the mount point and access the files:

```
cd /mnt/iso  
||
```

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Installing the .zip

Just like with an ISO, you'll want to extract the contents of the .zip file into a directory.

```
sudo mkdir /mnt/zipfile
```

1. Install the unzip Utility (if not already installed)

If you don't have the unzip utility installed, you can install it with the following command:

```
sudo dnf install unzip
```

2. Extract the ZIP File

Now, use the unzip command to extract the contents of the .zip file into your newly created directory:

```
sudo unzip /path/to/file.zip -d /mnt/zipfile
```

•/path/to/file.zip: Replace this with the path to your .zip file.

•/mnt/zipfile: This is the directory where the files will be extracted. You can change this to any desired location.

3. Access the Extracted Files

Once the .zip file is extracted, you can navigate to the directory to view the contents:

```
cd /mnt/zipfile
```

Additional Notes:

- Unlike .iso files, .zip files need to be extracted and are not mounted as filesystems.
- You can extract .zip files to any directory of your choice.
- If the .zip file is password-protected, you will be prompted to enter the password during extraction.

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Importing the .ova through VMware Workstation on Linux

1. Download and Install VMware Workstation

1. Visit the VMware Workstation Pro download page and select the latest Linux version. You can obtain VMware Workstation Pro 17 free for personal use by following [this link](#). If you need help with downloading and installing VMware Workstation, [this link](#) will be able to assist you with the process.
2. **Install**
 - Open a terminal and navigate to your download directory.
 - Run these two commands to make the .bundle file executable, and then execute the installer:

```
sudo chmod +x VMware-Workstation-Full-*.bundle  
sudo ./VMware-Workstation-Full-*.bundle
```

2. Launch VMware Workstation

1. Open VMware Workstation from your application menu or run the command: `vmware &` in the terminal.

3. Import the .ova File

1. In the top left-hand corner, go to **File > Open...** then navigate to the folder in which you extracted the .ova to and select it.
2. Click the green 'Open' button in the top right to import the .ova file.
3. Assign a name, and a storage location to the machine.
4. A progress bar will appear.

4. Power On the Machine

1. Before powering on the machine, navigate to the virtual machine's settings.
2. In the hardware tab, click on 'Processors'.
3. Make sure under **Virtualization Engine** that the 'Virtualize Intel VT-x/EPT or AMD-V/RVI' option is selected and hit 'Save'.
4. You can either click the green play button at the top or select the 'Start up this guest operating system' option.

Important Note on Virtual Image Management

Please be aware that the virtual images provided are designed for initial deployment only. We do not provide ongoing management for the operating system within these images. Users should treat and maintain these virtual instances as they would any other Linux distribution, taking responsibility for updates, security patches, and system management.

Additionally, regarding platform compatibility, while we strive to support a wide range of environments, compatibility may vary based on the specific platform used. Successfully installing the software on a platform does not guarantee full functionality or support. For the best experience, we recommend using the software on platforms specified within our official support guidelines.

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Installing on Windows

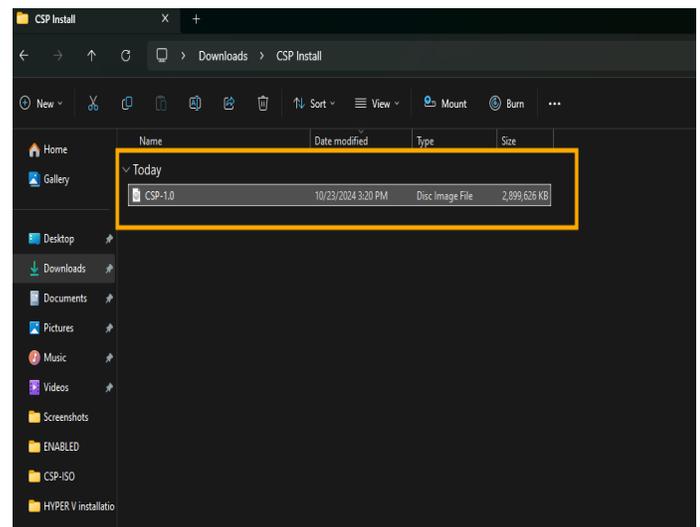
1. Downloading the .iso

Head over to nagios.org downloads page and scroll down to locate the .iso file available for download.

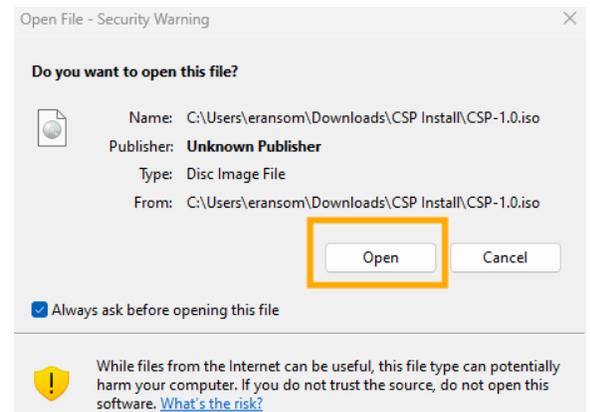


2. Mounting the .iso file

Once installed, right click on the file and then click on the option to 'Mount'.

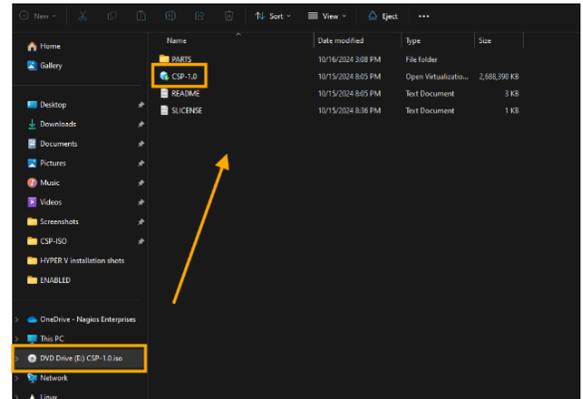


A security warning window will pop up, click on 'Open'. The contents of the mounted image will now be accessible



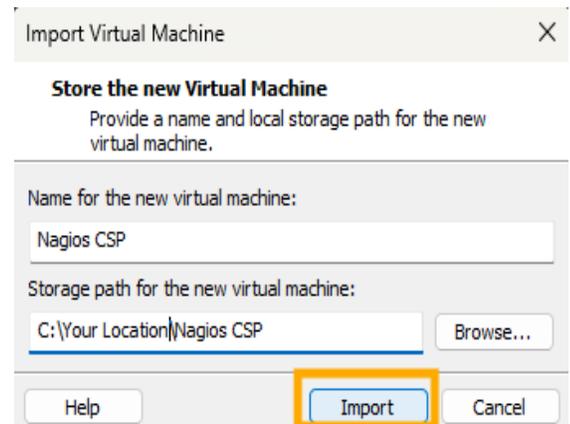
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While mounted, the contents of the file can be accessed from the left-hand tray from the DVD Drive.

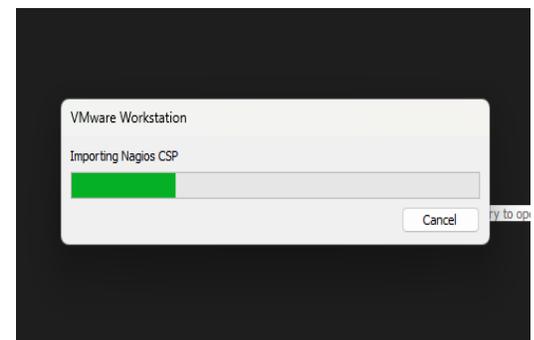


3. Importing the .ova with VMware

Double-click on the Open Virtualization Appliance file to import the appliance into any installed hypervisor or virtualization platform that supports .ova file format.

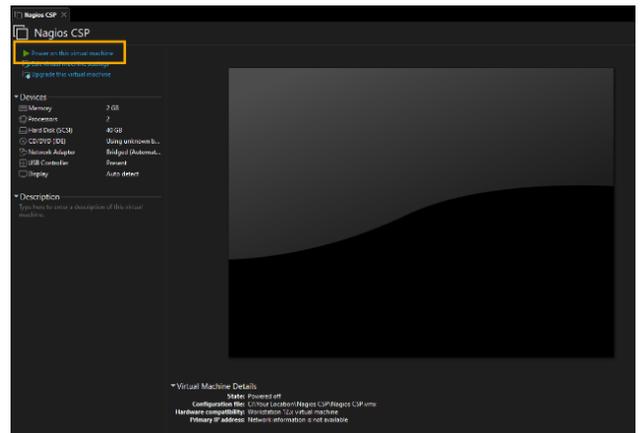


Name the VM and assign its storage path. Click 'Import', and the appliance will begin to do so.



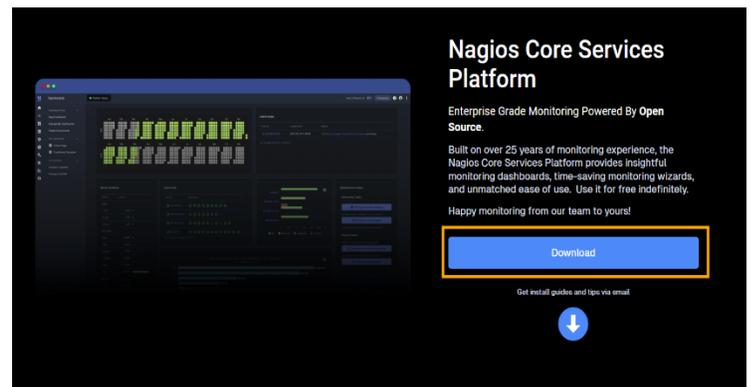
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Click the green play button, and the virtual machine will begin to power on. Finished!



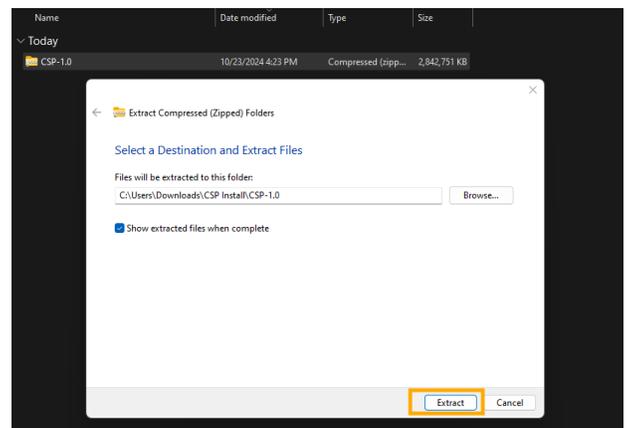
Downloading the .zip

Head over to nagios.org downloads page and locate the .iso file available for download:



Extract the Contents of the .ZIP Folder

Right click on the .zip folder to reveal options and click on 'Extract All...' select a destination to extract the files to and click 'Extract'

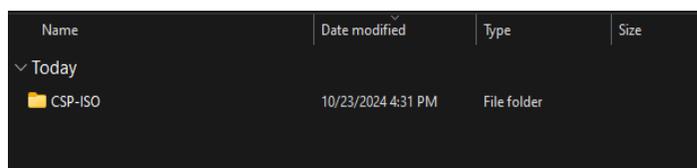


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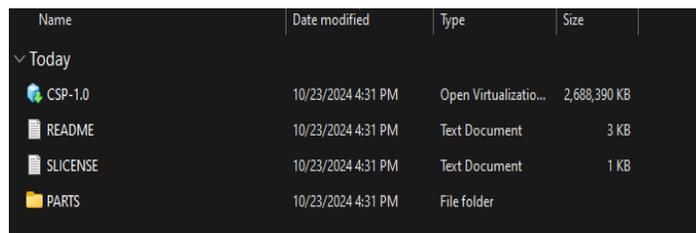
A progress bar will appear:



Once extraction is complete, the folder will no longer be a compressed .zip folder and rather a regular file folder with its contents accessible.



Click on the folder to reveal the contents:



3. Import the .ova

Please refer back to the previous steps for importing the .ova with the .iso file as they are the same for the .zip.

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Installing on macOS

For macOS users, you can easily run the OVA by using virtualization software such as **VMware Fusion**, **Parallels**, or a similar tool. Follow these steps:

1. Use your preferred virtualization software (e.g., VMware Fusion or Parallels) to import and run the OVA.
2. For additional support and detailed instructions, please visit the [Nagios Community](#) for resources, forums, and help.

If you encounter any issues or need further assistance, our community experts are available to help!