

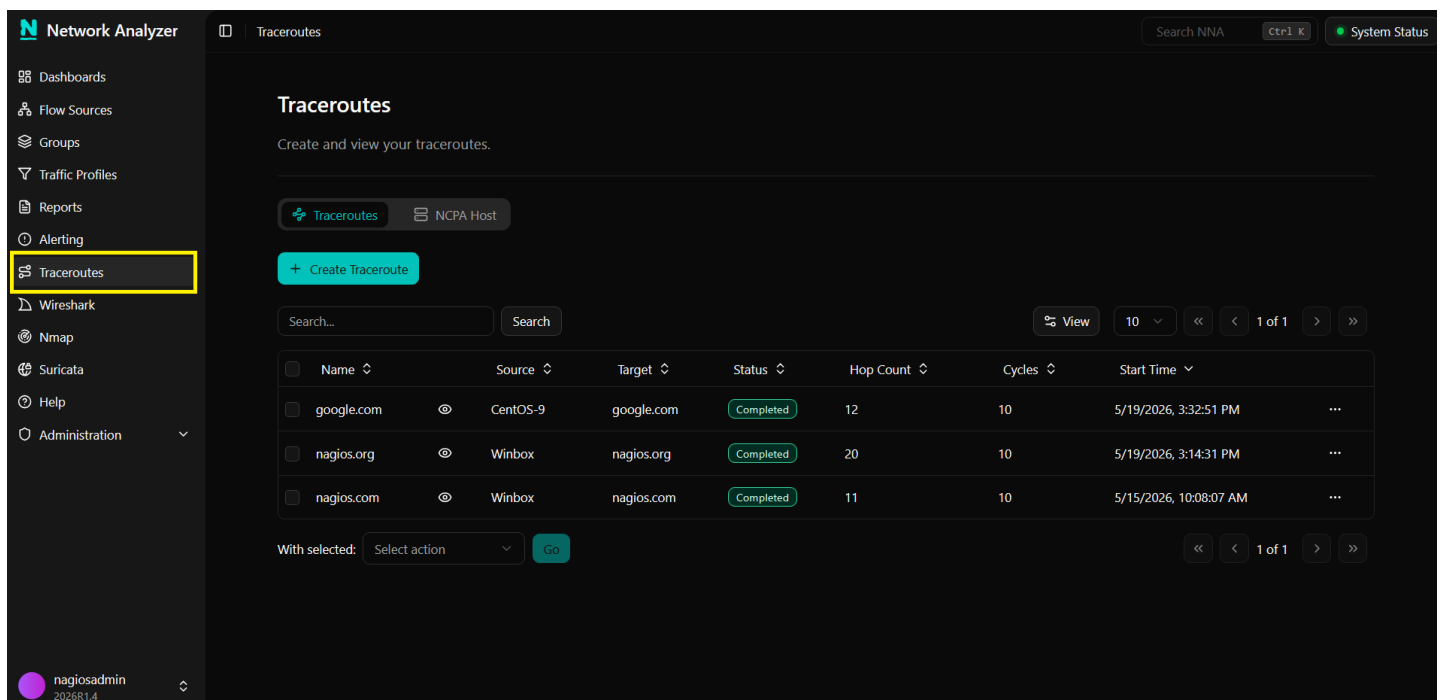
How To Use Traceroutes in Nagios Network Analyzer 2026

Purpose

This document describes how to use Traceroutes in Nagios Network Analyzer (NNA) 2026R1.4+ to view the hop and latency details of connections to specified targets from your NNA server, or from separate Linux and Windows systems running the Nagios Cross Platform Agent (NCPA).

Finding Traceroutes

To begin, navigate to **Traceroutes**:



The screenshot shows the Nagios Network Analyzer interface. The sidebar on the left has the 'Traceroutes' menu item highlighted with a yellow box. The main content area is titled 'Traceroutes' and contains a table of results. The table has the following columns: Name, Source, Target, Status, Hop Count, Cycles, and Start Time. The data rows are:

Name	Source	Target	Status	Hop Count	Cycles	Start Time
google.com	CentOS-9	google.com	Completed	12	10	5/19/2026, 3:32:51 PM
nagios.org	Winbox	nagios.org	Completed	20	10	5/19/2026, 3:14:31 PM
nagios.com	Winbox	nagios.com	Completed	11	10	5/15/2026, 10:08:07 AM

If you'd like to run a traceroute directly from your NNA server localhost, you can jump directly to the [Running Traceroutes](#) section. If you'd like to run a traceroute from a separate Linux or Windows machine using the Nagios Cross Platform Agent (NCPA), proceed to the following section.

NCPA Host Setup - Host Configuration

To run traceroutes from separate machines, the first step is to install NCPA onto the system:

[Installing NCPA v3](#)

Once NCPA is installed, you can proceed to the [Linux](#) or [Windows](#) section below.

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Linux

Complete the following steps to execute tracroutes from a Linux NCPA host.

1. Install **mtr** onto the system with the following command:

RHEL | CentOS | Oracle

```
dnf install mtr -y
```

Debian | Ubuntu

```
apt-get install mtr -y
```

2. Download the `check_mtr_traceroute.tar`, replacing `{NNA-Server-IP}` in the command with the IP address of your NNA server:

```
wget http://{NNA-Server-IP}/storage/check_mtr_traceroute.tar
```

3. Extract the tar, and move to the `linux` directory with these two commands:

```
tar xf check_mtr_traceroute.tar
```

```
cd check_mtr_traceroute/linux
```

4. Finally, move the `check_mtr_traceroute.py` file to the NCPA plugins directory:

```
mv check_mtr_traceroute.py /usr/local/ncpa/plugins
```

You can now proceed to the [NCPA Host Setup - NNA Configuration](#) section.

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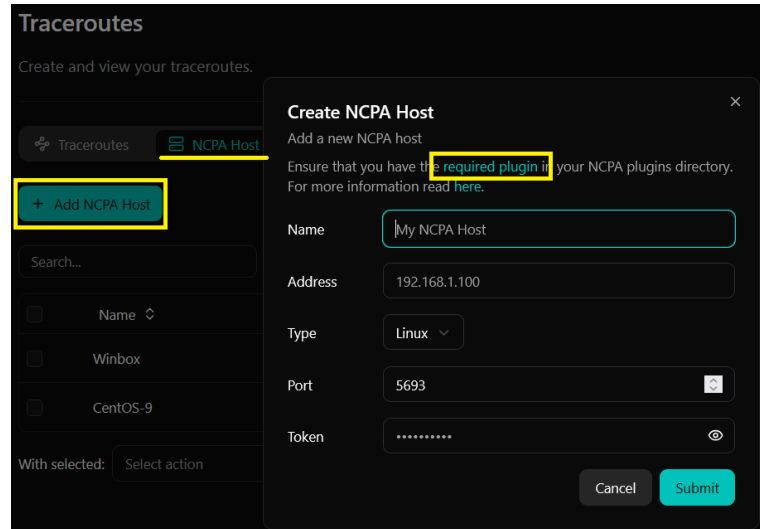
Windows

Complete the following steps to execute traceroutes from a Windows NCPA host.

1. Download the plugin tar file onto the Windows machine.

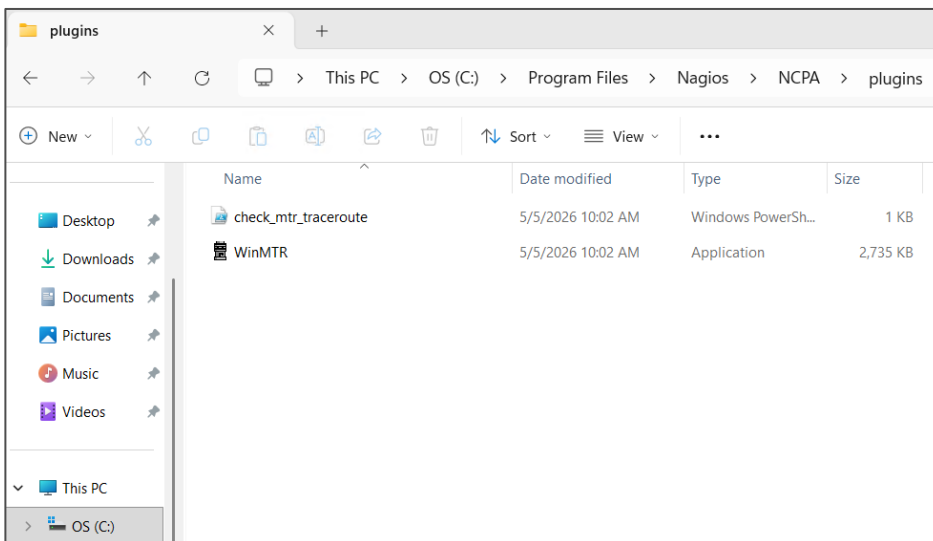
An easy approach is to access the NNA web interface via a browser on the machine, then navigate to **Traceroutes > NCPA Host tab**, and click **+Add NCPA Host**.

You can then use the **required plugin** link to download the file.



2. Extract the file, then go to the **windows** folder within it.
3. Move the **check_mtr_traceroute** and **WinMTR** files into the NCPA plugins directory at:

C: Program Files > Nagios > NCPA > Plugins



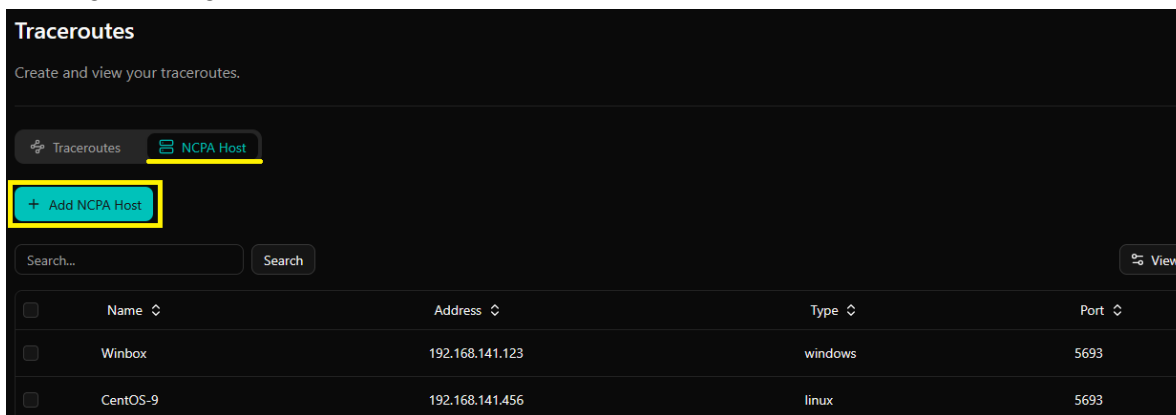
You can now proceed to the [NCPA Host Setup - NNA Configuration](#) section.

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NCPA Host Setup - NNA Configuration

Once your Linux or Windows host has NCPA installed, and has the traceroute plugin set up, you can add it to NNA.

To begin, navigate to the **NCPA Host** tab of Traceroutes, and click **+ Add NCPA Host**:



Next, enter a friendly **Name** for the host, its **Address**, **Type** (Windows or Linux), **Port**, and NCPA **Token**:

The 'Create NCPA Host' dialog box is shown with the following fields:

- Name: DC2 - Cent 9
- Address: 192.168.1.123
- Type: Linux
- Port: 5693
- Token: [Redacted]

Buttons: Cancel, Submit

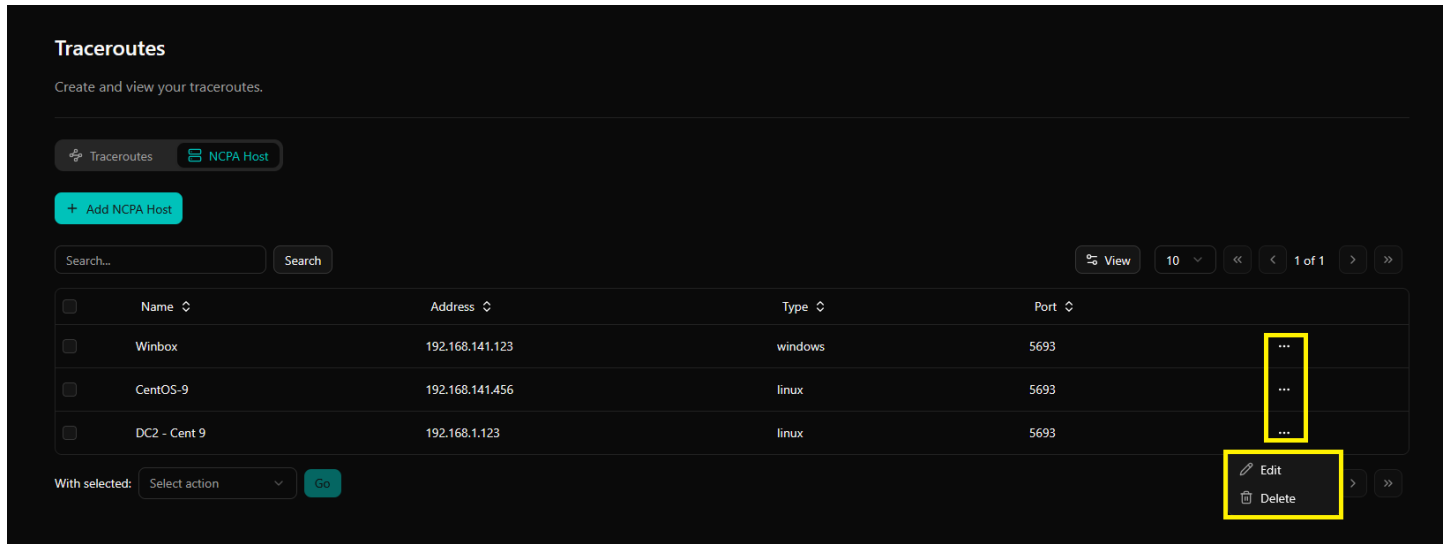
Once you've entered your host details, click **Submit** to save the host.

Your new host will now appear in the host list, and can be used to run traceroutes.

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Editing and Deleting Hosts

To Edit or Delete a host, click the **Actions** icon on the far right of the entry, then select your option:



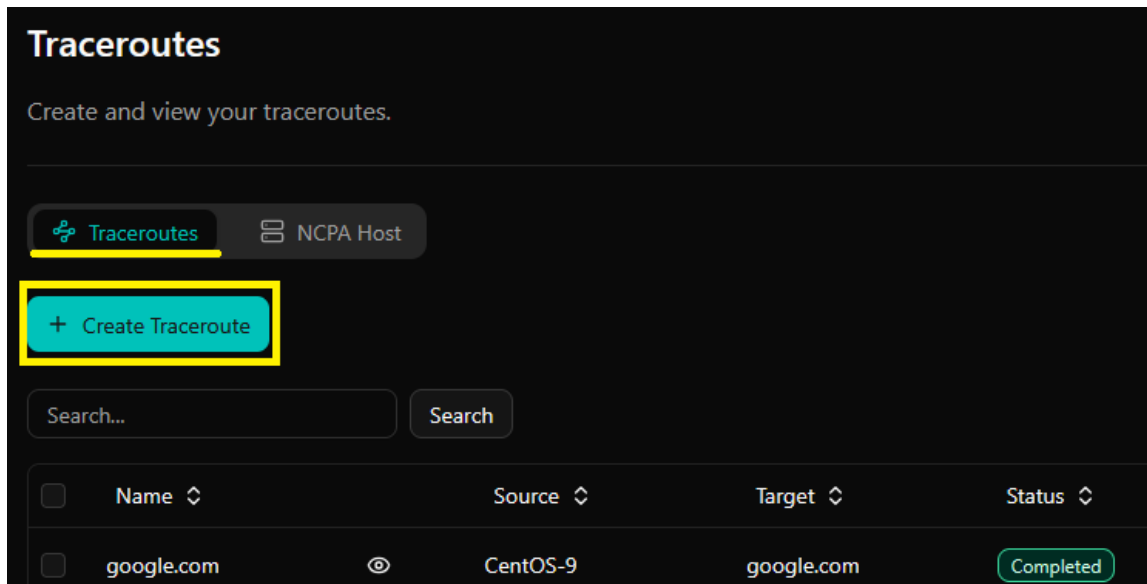
The screenshot shows the 'Traceroutes' section of the Nagios Network Analyzer interface. It features a header with 'Traceroutes' and 'NCPA Host' tabs, a '+ Add NCPA Host' button, and a search bar. Below is a table of hosts:

Name	Address	Type	Port	Actions
Winbox	192.168.141.123	windows	5693	...
CentOS-9	192.168.141.456	linux	5693	...
DC2 - Cent 9	192.168.1.123	linux	5693	...

At the bottom, there is a 'With selected:' dropdown menu set to 'Select action' and a 'Go' button. A yellow box highlights the actions menu (three dots) for the 'CentOS-9' host, and another yellow box highlights the 'Edit' and 'Delete' options in the dropdown menu.

Running Traceroutes

To run a traceroute, go to the **Traceroutes** tab of the Traceroutes menu, and click **Create Traceroute**.

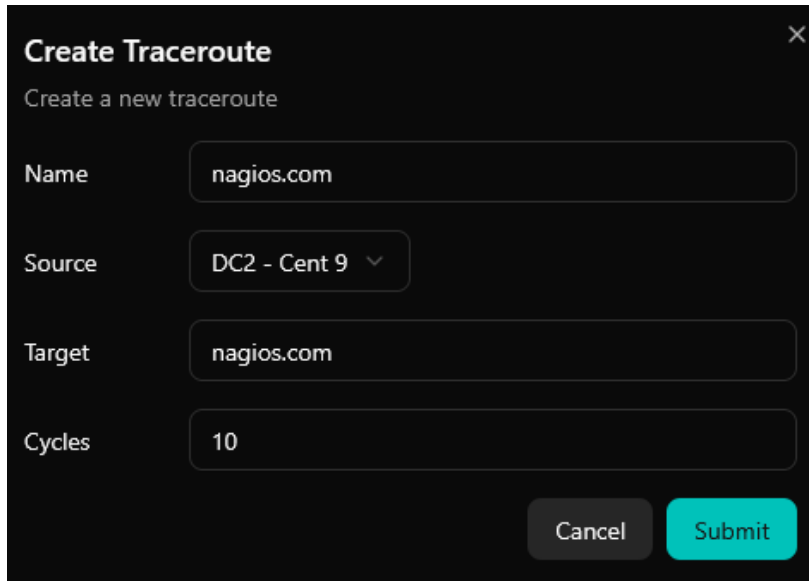


The screenshot shows the 'Traceroutes' section of the Nagios Network Analyzer interface. It features a header with 'Traceroutes' and 'NCPA Host' tabs. The '+ Create Traceroute' button is highlighted with a yellow box. Below is a search bar and a table of traceroute results:

Name	Source	Target	Status
google.com	CentOS-9	google.com	Completed

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Enter a friendly **Name**, then choose your **Source**, **Target**, and the number of **Cycles** to run:



Create Traceroute ✕

Create a new traceroute

Name

Source

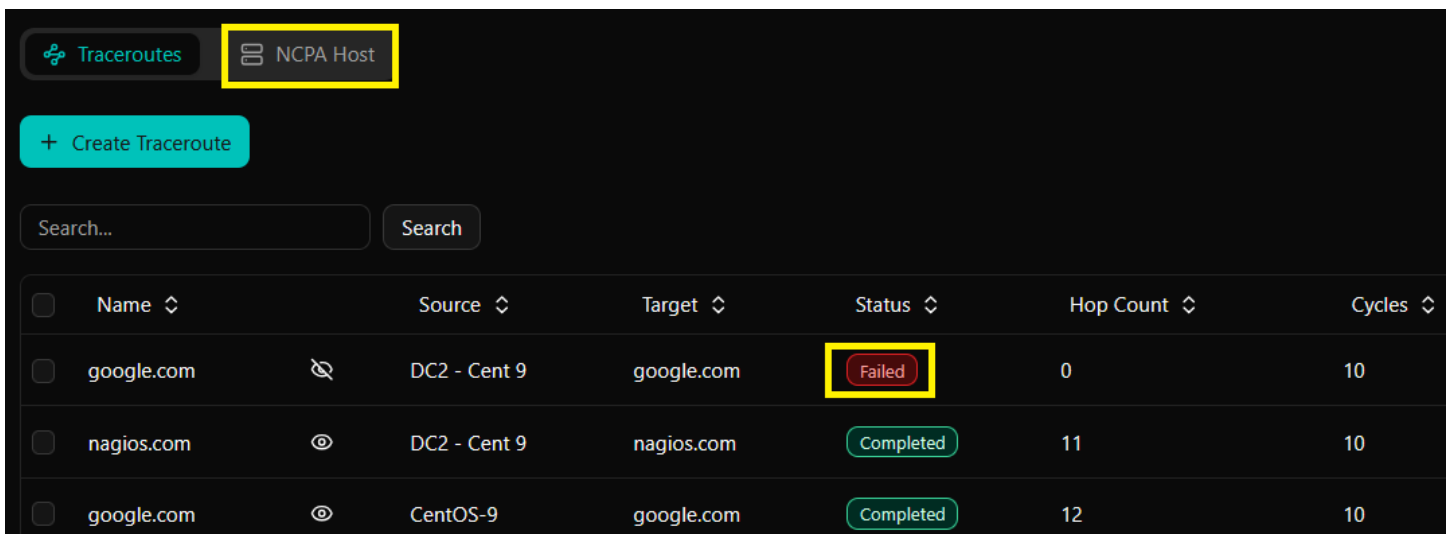
Target

Cycles

Click **Submit** to run the traceroute.

The **Status** will show as *In Progress* while the traceroute runs, then as *Completed* once it finishes successfully.

If the Status shows as *Failed*, review your NCPA Host settings for errors.



<input type="checkbox"/>	Name ↕		Source ↕	Target ↕	Status ↕	Hop Count ↕	Cycles ↕
<input type="checkbox"/>	google.com	🔗	DC2 - Cent 9	google.com	Failed	0	10
<input type="checkbox"/>	nagios.com	👁	DC2 - Cent 9	nagios.com	Completed	11	10
<input type="checkbox"/>	google.com	👁	CentOS-9	google.com	Completed	12	10

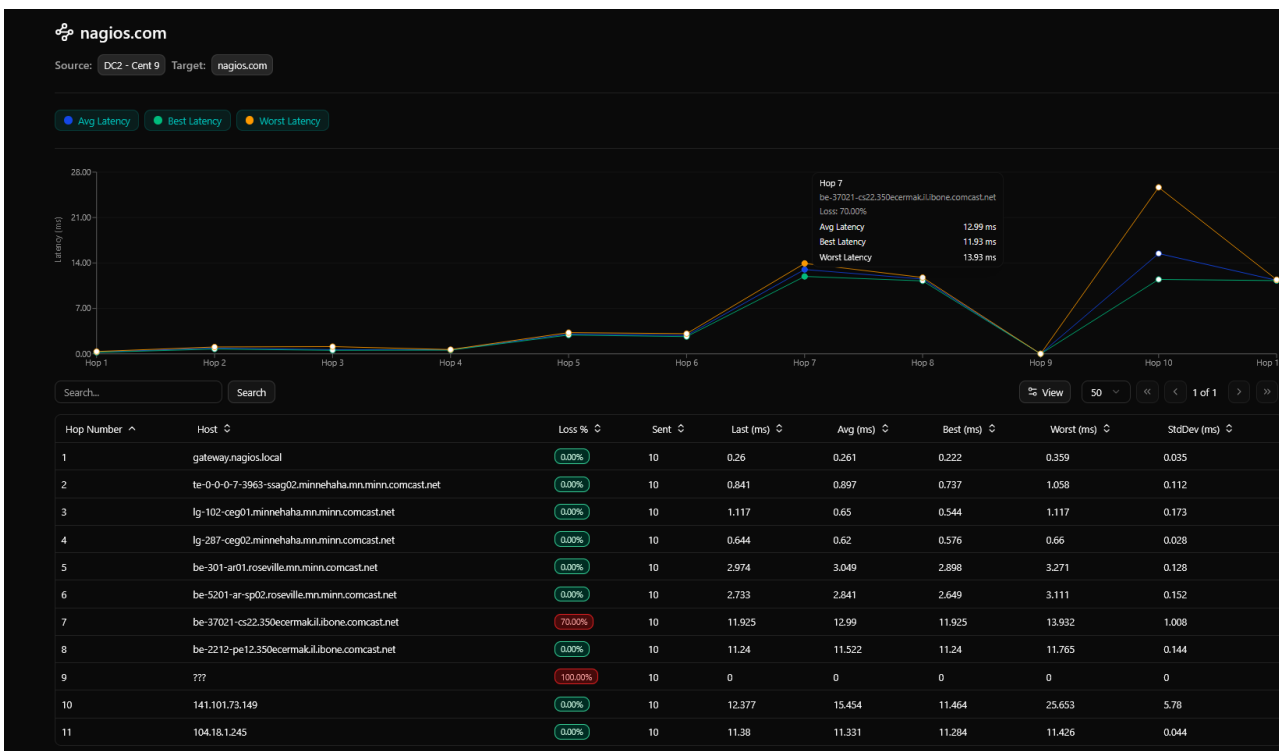
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Reviewing Traceroutes

To view the details of a successful traceroute, click the eye icon in the target entry:

<input type="checkbox"/>	Name ↕	Source ↕	Target ↕	Status ↕	
<input type="checkbox"/>	nagios.com	<input checked="" type="checkbox"/>	DC2 - Cent 9	nagios.com	Completed
<input type="checkbox"/>	google.com	<input type="checkbox"/>	CentOS-9	google.com	Completed

Here you can view hop and latency details:



Finishing Up

This completes the documentation on Using Traceroute in NNA 2026. If you have additional questions or other support-related questions, please visit the Nagios Support Forum, Nagios Documentation Hub, or Nagios Library:

[Visit Nagios Support Forum](#)

[Visit Documentation Hub](#)

[Visit Nagios Library](#)