

5 Installing Analytics Server

You can install Analytics Server after installing Administration Console.

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5.1 Prerequisites for Installing Analytics Server

Ensure that the system meets the following requirements for installing Analytics Server.

- ◆ The following operating systems are supported:
 - ◆ SLES 15
 - ◆ SLES 15 SP1
 - ◆ SLES 12 SP4
 - ◆ SLES 12 SP5
 - ◆ RHEL 7.7
 - ◆ RHEL 7.8

For information about the requirements, see, [Section 5.2, “System Requirements,” on page 80](#).

NOTE: Before you install Analytics Server, review the new functionality and known issues in the supported SLES [Release Notes](#).

- ◆ Ensure to install the following packages, if you are installing Analytics Server on SLES15/SLES15SP1:
 - ◆ libXrender1 (zypper in libXrender1)
 - ◆ libXtst6 (zypper in libXtst6).For more information, see [Section 5.3, “Installing Analytics Server,” on page 80](#).
- ◆ If you are installing Access Manager components on multiple machines, ensure that the time and date are synchronized on all machines.
- ◆ Ensure that the hard disk has a minimum of 50 GB space for logging for demonstration purpose. This disk space must be local and not remote.
- ◆ Ensure that Administration Console is running. For more information about Administration Console, see (https://www.netiq.com/documentation/access-manager-45/install_upgrade/data/b137ply8.html).

- ◆ Do not perform any configuration tasks in Administration Console during an Analytics Server installation.
- ◆ Install Analytics Server on a separate machine and ensure that the following ports in Analytics Server are open:

8445
1444
22
1468

- ◆ If you have custom partitioned your hard disk as follows, ensure that the free disk space mentioned against each partition is available.

Partition	Disk Space
/opt	5 GB

For data and log ensure that you have enough space available in `/var` partition:

NOTE: You can also install if the entire disk has only root and swap partition.

For information about browser support, see [Section 5.4, “Browser Support,” on page 81](#).

5.2 System Requirements

The following requirements are for storing 500 events per second:

RAM	16 GB RAM for the production environment. However, the minimum memory of 4 GB can be used for the demonstration purpose.
Processor	Two Intel(R) Xeon(R) CPU ES-2650 O@ 2.00GHz (4 core) CPUs (8 cores total), no hyper-threading
Hard Disk	10 x 300 GB SAS 15k RPM (Hardware RAID 10)

NOTE: For more information, see [System Requirements](#).

5.3 Installing Analytics Server

Installation time: about 10 minutes.

What you need to know to install Analytics Server	<ul style="list-style-type: none"> ◆ Username and password of the administrator of the Administrator Console. ◆ Install Administration Console and Analytics Server on separate machines.
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- 1 Open a terminal window.
- 2 Log in as a `root` user.

NOTE: If you are installing Analytics Server on SLES15 or on SLES15 SP1, ensure you install the `libXrender1` and `libXtst6` packages.

```
NAM-AS-18:~# rpm -qa | grep libXrender1
libXrender1-0.9.8-7.1.x86_64
NAM-AS-18:~# rpm -qa | grep libXtst6
libXtst6-1.2.2-7.1.x86_64
```

3 Access the install script.

3a Ensure that you have downloaded the software.

3b If you downloaded the `tar.gz` file, unzip the file by using the following command:

```
tar -xzvf <filename>
```

3c Change to the `Analytics_Dashboard` directory.

4 At the command prompt, run the following install script:

```
./ar_install.sh
```

5 Specify the IP address, user ID, and password of the primary Administration Console.

6 Re-enter the password for verification. Analytics server starts installing.

If the installation program rejects the credentials and IP address, ensure that the required ports are open on both Administration Console and Analytics Server, as described in [Section 5.1, “Prerequisites for Installing Analytics Server,”](#) on page 79 .

7 Verify the installation. You can check the logs at `/tmp/novell_access_manager/install_ar_.`

5.4 Browser Support

You can access the Analytics Server from any latest version of any of the following browsers:

- ♦ Mozilla Firefox
- ♦ Google Chrome
- ♦ Microsoft Edge
- ♦ Internet Explorer

5.5 Upgrading Analytics Server

You cannot upgrade from the previous versions of Analytics Server. Hence you cannot migrate the existing events in realtime and offline indices to this product. This version of Analytics Server works only as a fresh install.

Early Access