

Server Requirement

Production	Minimum
100G Disk Space, 2 CPU, 4G RAM 1 Ethernet interface	10G Disk Space, 1 CPU, 512M RAM 1 Ethernet interface

Install Network Automation Assistant

To install NAA on your laptop, follow these steps.

Note that the free version supports up to 50 devices by default. But you can increase to 100 devices for free. See Update the License.

Step 1: Create VM Guest with Virtualbox to run Centos

Download [Centos NetInstall iso](#)

Pick the one that says CentOS-7-x86_64-NetInstall-xxxx.iso

Create VM Guest. We use Virtualbox as example, you should be able to use any hypervisor of your choice.

Run Virtualbox

New > Name:Ironwood-NAA , Type:Linux , RedHat (64-bit)

RAM: 1024 MB or more

HD: Create HD Now

HD File type: VDI

Storage: Dynamically allocated

File location and Size: 8GB or more

Settings > Storage > CD icon > Optical Drive > CD icon > Choose Virtual Optical Disk File > CentOS-7-x86_64-NetInstall-1511

Settings > Network > Attached to: NAT

Settings > Network > Advanced > Port Forwarding > Add > TCP Host Port: 22 , Guest Port: 22

Settings > Network > Advanced > Port Forwarding > Add > TCP Host Port: 443 , Guest Port: 443

Start VM Guest

Step 2: Install Centos

Network & Hostname > **Ethernet**: ON , **Hostname**: naa.yourdomain.com

Date & Time > **Network Time**: ON, **Region**: your choice

Installation Source > **On the Network**: mirror.centos.org/centos/7/os/x86_64/

Installation Destination > Automatic partition (default, so just hit **Done**)

Software Selection > **Base Environment**: Basic Web Server

KDUMP > **Disable** KDUMP

Begin Installation

Root Password > your choice

Step 3: Install NAA

From Host laptop

ssh [root@127.0.0.1](#)

wget -P /root http://www.ironwoodnetworks.com/download/naa_installsript

```
chmod 744 naa_installsript
./naa_installsript

reboot

Done

[optional]
Test remote login to target device by running
/var/www/html/naa/run/test-install.pl
```

Login NAA GUI

To login to NAA GUI. Open a browser from your host machine to this URL.

```
https://127.0.0.1/naa

user: admin
password: admin
```

Update to the Latest Version

By default, NAA automatically checks for the latest version daily and update as necessary, so there is no action needed from the user.

However, you can update to the latest version manually.

If NAA have Internet access...

Step 1:

Login to NAA as user “admin” (default password admin)

```
At the bottom panel
Licensed Devices > System Update > Software > Download and Update Now

Done
```

If NAA have NO Internet access...

Step 1:

Open your browser to the Download site.

```
http://ironwoodnetworks.com/download
```

```
Download the latest update to your PC
naa-vX.X_<date>.tgz
```

(Note that some browsers rename the file type to “.tar”, it causes NAA’s Software Update to fail because it is expecting a “.tgz” extension. If it happened, please rename the file back to .tgz extension on your PC.)

Step 2: Login to NAA as user “admin” (default password admin)

At the bottom panel

Licensed Devices > System Update > Software > Choose File > naa-vX.X_<date>.tgz > Software Update

Done

Update the License

You can request a new license when...

- i) you want to **increase to 100 devices for free**
- ii) you need to support more devices than the free version’s limit, you can purchase a new license

To update the license, please follow the follow steps to send a request email.

Step 1: Login to NAA as user “admin” (default password admin)

At the bottom panel

Licensed Devices > Request license Update

Send the email with the included system information for license request

Our customer support will generate a new license and reply to you with the new license file.

Step 2: Login to NAA as user “admin” (default password admin)

At the bottom panel

Licensed Devices > System Update > License > Choose File > <license file> > Import License