

Nemasis Installation Steps

Product Version: 14.0.1000.100 Document Version: NVA-I-1401



Virtual Appliance details

ISO can be installed on following virtual environments

- VMware
- Microsoft Hyper-V
- Oracle Virtual Box

Appliance details / Minimum system requirements

- 64-bit Debian based Linux OS
- 2 CPUs
- 8 GB RAM
- 20 GB HDD

Installing Nemasis on a Virtual Machine

- 1. Launch host VMWare/ Hyper-V/ Virtual Box.
- 2. Create a new guest virtual machine.
- 3. Use the nemasis va ISO image for the guest OS.
- 4. Click **Next** to proceed for the installation.

Installing Nemasis on a Physical System

A. Non OS system

- 1. Ensure that you have a system which does not have any OS pre-installed.
- 2. Insert the nemasis va CD/DVD.
- 3. Proceed for the installation.

B. Pre-installed OS system

- 1. Insert the nemasis va CD/DVD.
- 2. Create the desired partition for the installation.
- 3. Proceed for the installation.



1. After booting from CD, press **Enter** to begin the installation process. Refer to Figure 1.



Figure 1



2. Select the language of your preference for installation and then click **Continue**. Refer to Figure 2.

k	debian 9
Select a language	
Choose the language t default language for t Language:	o be used for the installation process. The selected language will also be the ne installed system.
Chinese (Simplified)	- 中文(简体)
Chinese (Traditional)	- 中文(繁體)
Croatian	- Hrvatski
Czech	- Čeština
Danish	- Dansk 🗏
Dutch	- Nederlands
Dzongkha	[^{17]} 予道 -
English	- English
Esperanto	- Esperanto
Estonian	- Eesti
Finnish	- Suomi
French	- Français
Galician	- Galego
Georgian	- ქართული
German	- Deutsch
Greek	Ελληνικά
Screenshot	Go Back Continue

Figure 2



3. Select your country and then click **Continue**. Refer to Figure 3.

debian 9
Select your location
The selected location will be used to set your time zone and also for example to help select the system locale. Normally this should be the country where you live.
This is a shortlist of locations based on the language you selected. Choose "other" if your location is not listed.
Country, territory or area:
Hong Kong
India
Ireland
Israel
New Zealand
Nigeria
Philippines
Singapore
South Africa
United Kingdom
United States
Zambia
Zimbabwe
other
Screenshot Go Back Continue





4. Select the keymap of your preference and then click **Continue**. Refer to Figure 4.

R	ebian 9
Configure the keyboard	
Keymap to use:	
American English	
Albanian	
Arabic	=
Asturian	
Bangladesh	
Belarusian	
Bengali	
Belgian	
Bosnian	
Brazilian	
British English	
Bulgarian (BDS layout)	
Bulgarian (phonetic layout)	
Burmese	
Canadian French	
Canadian Multilingual	
Catalan	
Chinese	
Screenshot	Go Back Continue

Figure 4

A window appears displaying ongoing installation process. Refer to Figure 5.





Configure the clock according to your region and then click **Continue**. Refer to Figure 6.

debian 9
Configure the clock
If the desired time zone is not listed, then please go back to the step "Choose language" and select a country that uses the desired time zone (the country where you live or are located). <i>Select your time zone:</i>
Eastern
Central
Mountain
Pacific
Alaska
Hawaii
Arizona
East Indiana
Samoa
Screenshot Go Back Continue

Figure 6

5. The installation wizard proceeds to make partitions on the disk. Select **Yes** and then click **Continue**. Refer to Figure 7.

debian 9	
Partition disks	
If you continue, the changes listed below will be written to the disks. Otherwise, you will be ab further changes manually. The partition tables of the following devices are changed: SCSI1 (0,0,0) (sda) The following partitions are going to be formatted: partition #1 of SCSI1 (0,0,0) (sda) as ext4 partition #5 of SCSI1 (0,0,0) (sda) as swap Write the changes to disks?	le to make
 ○ No ● Yes Screenshot 	Continue





A window appears displaying ongoing installation process. Refer to Figure 8.

	debian 9
Install the base system	
	Installing the base system
Preparing libc6-dev (amd64)	

Figure 8

6. The Grub PC package window appears. Please read the instructions carefully. Select the drive of your preference and then click **Continue**. Refer to Figure 9.

debian 9
Configuring grub-pc
The grub-pc package is being upgraded. This menu allows you to select which devices you'd like grub- install to be automatically run for, if any.
Running grub-install automatically is recommended in most situations, to prevent the installed GRUB core image from getting out of sync with GRUB modules or grub.cfg.
If you're unsure which drive is designated as boot drive by your BIOS, it is often a good idea to install GRUB to all of them.
Note: it is possible to install GRUB to partition boot records as well, and some appropriate partitions are offered here. However, this forces GRUB to use the blocklist mechanism, which makes it less reliable, and therefore is not recommended. GRUB install devices:
/dev/sda (8589 MB; VMware_Virtual_S)
/dev/sda1 (7515 MB; VMware_Virtual_S)
Screenshot Go Back Continue



A window appears displaying ongoing installation process. Refer to Figure 10.

	debian 9
Install the base system	
Ins	talling the base system
Configuring grub-pc (amd64)	

Figure 10

Configure the package manager window appears displaying the configuration process. Refer to Figure 11.

	debian 9	
Configure the package manager		
•		
	Configuring apt	
Scanning the CD-ROM		
		Cancel



7. The installation wizard asks whether you want to scan another CD or DVD. Select **No** and then click **Continue**. Refer to Figure 12.

*	debian 9
	Configure the package manager
	Your installation CD or DVD has been scanned; its label is:
	Debian GNU/Linux 9.6 _Stretch Unofficial amd64 CD Binary-1 20190409-14:59
	You now have the option to scan additional CDs or DVDs for use by the package manager (apt). Normally these should be from the same set as the installation CD/DVD. If you do not have any additional CDs or DVDs available, this step can just be skipped.
	If you wish to scan another CD or DVD, please insert it now. Scan another CD or DVD?
	⊖ Yes
(Screenshot Go Back Continue

Figure 12

8. Configure the package manager window appears. Select your Debian archive mirror country and then click **Continue**. Refer to Figure 13.

debian 9
Configure the package manager
The goal is to find a mirror of the Debian archive that is close to you on the network be aware that nearby countries, or even your own, may not be the best choice. Debian archive mirror country:
Finang
France
French Polynesia
Georgia
Germany
Greece
Hungary
Iceland
India 🔤
Indonesia
Iran, Islamic Republic of
Ireland
Israel
Italy
Japan
Kazakhstan
Kanva V
Screenshot Go Back Continue



9. Select the Debian archive mirror for your country or region and then click **Continue**. Refer to Figure 14.

debian 9
Configure the package manager
Please select a Debian archive mirror. You should use a mirror in your country or region if you do not know which mirror has the best Internet connection to you.
Usually, ftp. <your code="" country="">.debian.org is a good choice.</your>
Debian archive mirror: debianmirror.nkn.in
mirror.cse.iitk.ac.in
ftp.iitm.ac.in
deb.debian.org
debian-archive.trafficmanager.net
Screenshot Go Back Continue

Figure 14

10. If you are not using a mirror, you may end up with very minimal base system. Select **Yes** and then click **Continue**. Refer to Figure 15.

debian 9	
Configure the package manager	
No network mirror was selected.	
If you are installing from a netinst CD and choose not to use a mirror, you will end up with only a very minimal base system.	
Continue without a network mirror?	
○ No	
• Yes	
Screenshot Go Back Continue	



A window appears displaying installation in progress. Refer to Figure 16.

	debian 9	
Select and install software		
	Folget and install coffware	
	Select and install software	J
Running install-hwpackages		

Figure 16

11. To proceed further, install the GRUB boot loader on a hard disk. You can even enter a device manually and select it for installation. It is recommended that you select the default option in the window. Select the hard disk and then click **Continue**. Refer to Figure 17.

debian 9
Install the GRUB boot loader on a hard disk
You need to make the newly installed system bootable, by installing the GRUB boot loader on a bootable device. The usual way to do this is to install GRUB on the master boot record of your first hard drive. If you prefer, you can install GRUB elsewhere on the drive, or to another drive, or even to a floppy. Device for boot loader installation:
Enter device manually
/dev/sda
Screenshot Go Back Continue

Figure 17

A window appears displaying GRUB boot loader installation in progress. Refer to Figure 18.





Nemasis starts loading on your system. Refer to Figure 19.

Loading Nemasis GNU/Linux 4.9.0-8-amd64 ... Loading initial ramdisk ... —

Figure 19

12. In order to complete the installation, specify the password for root user as shown in below screen. Refer to Figure 20.



Figure 20

13. Retype the password. Refer to Figure 21.

You need to change the root password! Enter new UNIX password: Retype new UNIX password:

Figure 21

14. After retyping the password, press Enter to continue. Refer to Figure 22.

You need to change the root password! Enter new UNIX password: Retype new UNIX password: passwd: password updated successfully Press <Enter> to continue —



15. Nemasis loads up on your system. Type the root password and then press **Enter** to log in. Refer to Figure 23.

Nemasis		
_		
	Enter Root password	

Figure 23

16. Nemasis configuration window appears. Choose the options to configure settings. Refer to Figure 24.

Nemasis		
	Options Choose the options to configure:	
	IHostname Setting2Network Setting3Proxy Setting4General Information5Logout6System Reboot7System Shutdown	
	<pre> KSelect> </pre>	



The configuration menu consists of following options.

- 1. Hostname Setting These settings lets you modify your hostname.
- 2. Network Setting These setting lets you modify your network settings.
- 3. Proxy Setting These settings lets you modify the proxy settings for your server.
- 4. General Information This section displays general information about Nemasis.
- 5. Logout Selecting Logout will log you out of the Nemasis.
- 6. System Reboot Selecting System Reboot will reboot your system.
- 7. System Shutdown Selecting System Shutdown will shut down your system.



Accessing Nemasis Console

- 1. Launch a web browser.
- Enter the following URL in the address bar. https://<IP address of system in which Nemasis server is installed>:10442 Nemasis login page appears.
- 3. Enter your login credentials and then click **Login**. Refer to Figure 25.

Q	Login
	요 Username
	Password
	Login
nemasis	
Vulnerability Assessment Suite for	
Enterprises	

Figure 25



Nemasis registration form appears.

4. Fill up the registration form and then click **Register**. Refer to Figure 26.

0	<u>Registration</u>
	Name*
	Company Name*
	Branch Name*
	Email ID*
nemasis	Mobile*
Vulnerability Assessment Suite for Enterprises	Reseller
	City*
	State/Province*
	Select Country*
	Register

Figure 26



A message appears stating that an email containing a verification code is sent to the registered email ID. Refer to Figure 27.



Figure 27

5. Enter the verification code and then click **Verify** to complete the registration process. Refer to Figure 28.

	Verify with NEMASISEnter Verification CodeVerifyRegister Again
Vulnerability Assessment Suite for Enterprises	

Figure 28



After registering successfully a message appears. Refer to Figure 29.

Trial Registration	×
Trial Registration Completed.	
	Close

Figure 29

Your Nemasis trial account is now activated. The trial version is valid for 7 days and lets you scan 15 IPs.