

1 Introduction

The VX virtualized controller is a software WLAN controller appliance running as a virtual machine (VM) on a variety of Hypervisor and Amazon EC2 cloud infrastructures. The VX 9000 supports virtually any server and commercially available Hypervisors for fast and seamless integration into an existing network infrastructure, without adding new hardware. You can run multiple instances of the VX 9000 on a single server, reducing cost, space and power in the Network Operations Center (NOC). With the ability to run in a private or public cloud, you have the freedom to choose the model that works best for your deployment needs, install on your own servers or lease a server in the public cloud.

Like existing controller platforms, the VX virtualized controller has its own unique VX 9000 product category. However, the VX 9000 is unique, in the sense it requires a software license to enable it. The VX virtualized controller is a license only orderable software SKU, and does not come as a resident application within an existing hardware product. Users are required to purchase a license to activate their VX 9000 downloaded. The ordering and fulfillment process however is similar to other software products, with an appliance license shipped in the form of a hard-copy license certificate.

A license is required to enable VX virtualized controller functionality within WiNG. There are different AP license packs available depending on the number of adaptive access points you'd like to support.

License	Description
VX-9000-APPLNC-LIC	VX 9000 appliance license
VX-9000-ADP-16	16x adaptive access point license pack
VX-9000-ADP-64	64x adaptive access point license pack
VX-9000-ADP-256	256x adaptive access point license pack
VX-9000-ADP-512	512x adaptive access point license pack
VX-9000-ADP-1024	1024x adaptive access point license pack

2 Installing the VX Virtualized Controller on a Hypervisor

To license and install the VX virtualized controller:

- 1 Use the following link to go to the extranet downloads page:
[Extreme Networks Extranet Download Page](#)
- 2 If you do not have an extranet account, register here:
<https://secure.extremenetworks.com/register.aspx>
- 3 Select the appropriate product family and then the product.
The Firmware sub-tab is present for EOS, SecureStack, S/K/7100-Series, ExtremeWireless (IdentiFi and WiNG), Management, Control, Analytics, Security, WiNG, AirDefense and Legacy products.
- 4 Select the Firmware sub-tab.
- 5 The Firmware page displays the resources that you are entitled to. If you do not see the items that you need or think that you are entitled to, please contact GTAC <http://www.extremenetworks.com/support/contact/> or e-mail portal@extremenetworks.com
The VX appliance is downloaded as an .iso image.
- 6 Ensure a Hypervisor (ESXi, Xen, Hyper V) is installed in your server environment or the downloaded .iso image will not run.
- 7 Install the .iso in a manner similar to a standard VM.
- 8 Boot the VX appliance for the first time.
The system prompts the user to change the password.
- 9 Configure your network for your data center environment (static IP address). Commit your updates.
The serial number is automatically generated. The VX appliance is ready for license activation.



NOTE

Extreme Networks recommends you save the serial number generated in step nine.



NOTE

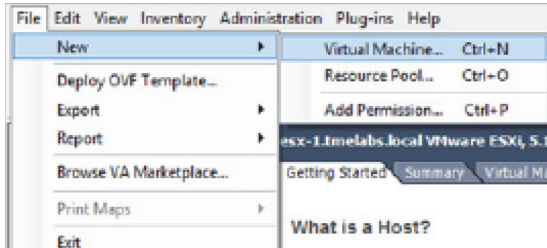
Do not change the IP address. If changed, the VX will not function until you obtain a new license by calling Support.

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- 10 Run `show version` command to display the serial number.

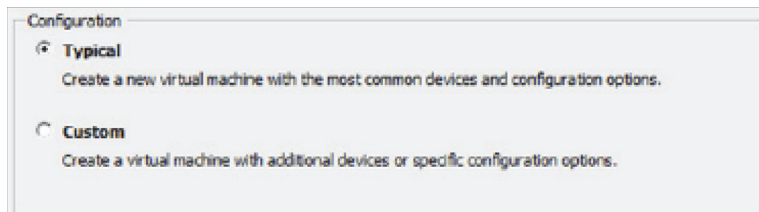
Installing in an ESXi Environment

To install the VX 9000 in an ESXi environment:

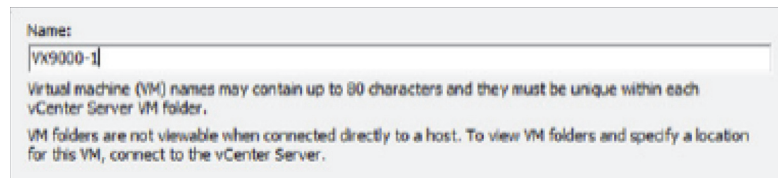
- 1 Within the vSphere client, select **File > New > Virtual Machine**.



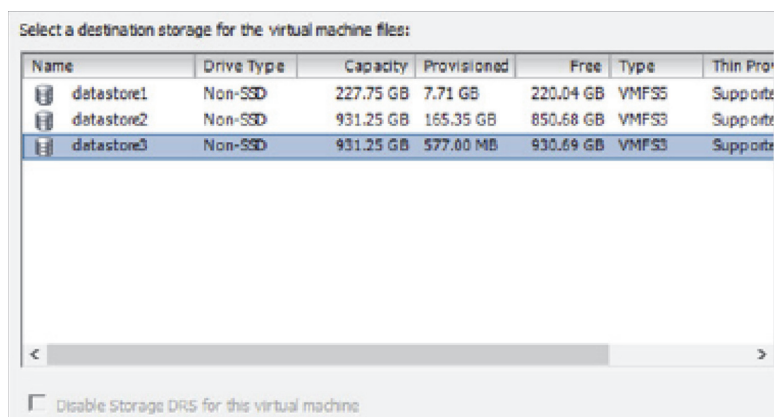
- 2 Select **Typical** within the **Configuration** field, then **Next >** from the lower, right-hand, side of the screen.



- 3 Enter a 80 character maximum virtual machine name, then **Next >** from the lower, right-hand, side of the screen.



- 4 Select the target **Storage** location from amongst the destinations listed, then **Next >** from the lower, right-hand, side of the screen.



- 5 Within the **Guest Operating System** screen, select **Linux** as the guest operating system.