

Best Practices

USN DVD Deployment

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XOP Networks, Inc.,

17290 Preston Road, Dallas, TX 75252

REVISION HISTORY

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1 INTRODUCTION

This document serves as a quick guide to install USN Release 8.0 Application using DVDs

2 OVERVIEW

This procedure will install the USN release 8.0 on the physical or virtual machines. Administrator should configure BIOS for server to boot into DVD-ROM as first boot priority.

3 PROCEDURE

Before deploying USN on VMware or on a physical machine, ensure following resources are required based on number of ports or users.

# of Ports	100	250	500	1000
# of Cores	4	8	12	24
Clock speed (GHz)	2.5+	2.7+	2.7+	2.7+
Hyper threading	Yes	Yes	Yes	Yes
Resource reservation				
(VMware only)	Required	Required	Required	Required
RAM	4 GB	8 GB	12 GB	16 GB
Hard Disk (minimum size)	32 GB	64 GB	128 GB	256 GB

Support Configuration:

3.1 Power on the server and press F2 or DEL key during POST process to enter the BIOS setup.

			PhoenixBIOS	Setup	Utility	
	Main Ad	vanced	Security	Boot	Exit	
Γ	CD_DOM D	siuo				Item Specific Help
	+Removable +Hard Driv Network	e Devices ve boot from	UMware UMXNET	3		Keys used to view or configure devices:
						<enter> expands or</enter>
			Setup Co	mfirmat	ion	s devices with
L		Save	configuration	changes	and exit	t now?
			Yes	I	No]	<pre><-> moves the p or down. move removable</pre>
						device be <mark>tween Hard</mark>
L						Disk or Removable Disk
						that is not installed.

Figure 1: BIOS Setup and on-screen instructions

- **3.2** Follow on-screen instruction to configure the BIOS for CD-ROM as the first boot priority.
- **3.3** Save BIOS configuration by pressing F10 and select YES to confirm changes.

Welcome to XOP Networks Universal Service Node (USN) Installation DV v This DVD should be used for fresh installation or to restore an existing system to Factory Default.	JD 1 8.0	of	2
*** WARNING ***			
ALL DATA WILL BE LOST			
Please use appropriate backup method to preserve any data that needs to be retained.			
The unattended installation process will take approximately 30 minutes for the first DVD and 45 for the second.			
Press <enter≻ rebuild="" system.<="" td="" to="" your=""><td></td><td></td><td></td></enter≻>			
boot: _			

Figure 2: USN Installation Screen – Boot into DVD Disc 1.

3.4 Now, server should boot from DVD Disc1. Press Enter to install Operating System and USN application on the server.



Figure 3: Network Parameters Configuration

- **3.5** When installation process prompts for configuring TCP, use arrow and space keys to enable IPv4 Support and select Manual Configuration for LAN interface.
- **3.6** Navigate to OK button and press space to confirm.

Enter the IPv prefix). For prefix are at be valid IPv IPvi address: Gateway: Name Server:	Manual TCP/IP (A and/or the IP06 a r IP04, the dotted-o cceptable. The gates t or IP06 addresses : 192.168.18.1 192.168.18.1	Configuration address and prefix juad netmask or th agy and name serve / 255.255.255.8	< (address / ne CIDR-style r fields must
	OK	Back	

Figure 4: Configure XOP USN network parameters

3.7 Enter IP Address, Subnet Mask, Gateway and DNS information. Numbers entered in the picture are for demonstrative purpose only, contact your network administrator for details.

Welcome to CentOS for x86_64	
Installation Starting Starting installation process	
78%	
<tab>/<alt-tab> between elements ; <space> selects ; <f12> next screen</f12></space></alt-tab></tab>	

Figure 6: USN installation process

3.8 System now are installing as progress bar updated momentarily.

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Waiting for Disc 2	une	THESystem	cype
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waiting for Disc Z mount: you must specify	the	filesustem	tupe
Waiting for Disc 2			2
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mount: you must specify	the	filesystem	type
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mount: you must specify Waiting for Disc 2	the	filesystem	type
areing for plac corre			

Figure 7: System prompts for DVD Disc 2

3.9 Remove DVD Disc 1, then insert DVD Disc 2 into server DVD-ROM to continue USN application installation.



Figure 8: Installation completed as login screen appeared.

3.10 Observer screen for completion of XOP installation

	ے Account Sign-in	
O o	Account Name admin Password ••••••	Sign In

- **3.11** Launch browser on the client PC and enter URL of the newly installed XOP USN server IP address (ex: <u>http://192.168.10.80</u>)
- **3.12** Default Login user name and password are admin and admin respectively.
- **3.13** See administrator guide for USN configuration.