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## **Chapter 1: Introduction**

This guide provides instructions for migrating your Unitrends Backup virtual appliance from the CentOS 6 platform to CentOS 7. Migration consists of preparing the CentOS 6 appliance, deploying the CentOS 7 Unitrends Backup virtual machine (VM), attaching backup storage from the original CentOS 6 VM, and configuring settings on the new appliance.

To get started, review the "Migration considerations". Then use the "Migration procedures checklist" as a guide for performing the migration. Or, if you prefer more detail, review the complete "Migration Requirements", then perform the step-by-step "Migration Procedures".

## **Migration considerations**

Review these considerations before you start:

- Once you migrate the CentOS 6 data, the CentOS 6 appliance is no longer usable. You must recover the data to the newly deployed CentOS 7 VM. To deploy the CentOS 7 VM, the AHV host must be running Acropolis Operating System (AOS) version 5.1.4 or a higher version supported version listed in the <u>Unitrends Compatibility and</u> Interoperability Matrix. Do not migrate data until you are ready to deploy the CentOS 7 VM.
- Before you migrate the CentOS 6 data, you must use the Nutanix Prism Web Console to consolidate any snapshots on the CentOS 6 VM. Snapshots must be consolidated for a successful migration.
- Before you migrate, check these tabs for any active recovery objects: Recover > File Level Recovery, Instant Recovery, and Replicas. Tear down any objects before starting the migration. You will need to recreate these objects on the CentOS 7 appliance.
- If you are encrypting backups, save the CentOS 6 encryption passphrase in a safe place. You must manually configure encryption with this same passphrase on the new CentOS 7 appliance. If you migrate and are not able to configure encryption with the CentOS 6 passphrase, any encrypted backups that were migrated cannot be recovered.
- Data copy access lab profiles are not migrated. If you are using this feature, you need to manually recreate lab profiles on the CentOS 7 appliance.
- Push install of the Windows agent is not supported on migrated appliances. After migrating to CentOS 7, the Windows agent must be installed manually on its protected assets.
- The migration tool verifies all requirements other than encryption, snapshot consolidation, and whether there are any active recovery objects. If a requirement has not been met, the migration does not proceed and you receive a message describing each issue that must be addressed. You can opt to simply run the migration tool without checking these CentOS 6 requirements, then address any issues if found. For detailed requirements, see " Requirements for CentOS 6 Unitrends Backup virtual appliance".

## **Migration procedures checklist**

"Step 1: Migrate data on the CentOS 6 appliance" – To migrate the data, upgrade the CentOS 6 appliance to release 10.5.0-3 or higher, then select Migrate from CentOS 6 to CentOS 7 in the Support Toolbox (Configure > Appliances >Edit > Advanced > Support Toolbox).



**IMPORTANT!** Migration time varies by database size. Do not manually close the user interface while the migration is running. It is safe to close the UI after the Results Migration message displays.

- "Step 2: Deploy the CentOS 7 Unitrends Backup VM" Download the CentOS 7 image file from <u>https://www.unitrends.com/download/enterprise-backup-software</u> and deploy it on your Nutanix AHV host. Ensure that the memory and VCPU settings meet or exceed those of the CentOS 6 appliance VM.
- "Step 3: Attach backup storage" Update the CentOS 7 VM to attach the all backup storage disks from the original CentOS 6 VM.

#### **IMPORTANT!**

- You must add all backup storage disks from the original CentOS 6 VM.
- Do not add the 100GB disk. This disk was created during VM deployment and is NOT used to store backups.
- You must add the first backup storage disk (typically scsi.1) before you add any other backup storage disks.
- "Step 4: Configure network settings" Launch the VM console and configure these settings to match those of the CentOS 6 VM: Console Access Password, Network Settings, and DNS Settings.
- "Step 5: Set up the CentOS 7 appliance using the Quick Setup Wizard" Log in to the appliance UI. Use the Setup Wizard to configure appliance settings. When prompted to configure storage, click Recover to add the migrated backups to the appliance.
- "Step 6: (If needed) Configure encryption with the CentOS 6 passphrase" If backups were being encrypted on the CentOS 6 appliance, you must configure encryption with the passphrase that was used by the CentOS 6 appliance. If you do not use the original passphrase, any encrypted backups that were migrated cannot be recovered. To configure encryption settings, select Configure > Appliances > Edit > Advanced.
- "Step 7: (If needed) Add data copy access profiles" Data copy access profiles are not migrated from the CentOS 6 appliance. If you were using the copy data management feature, you need to recreate your data copy access profiles. For details, see <u>Copy Data Management</u> in the <u>Administrator Guide for Recovery Series</u>, <u>Recovery MAX</u>, ION/ION+, and Unitrends Backup.
- "Step 8: Register and license the CentOS 7 appliance" You must register and license the appliance within 30 days of deploying the CentOS 7 VM. Go to Configure > Appliances > Edit > License. Click Update and select I need to activate my purchase.



## **Chapter 2: Migration Requirements**

Migration requirements for the CentOS 6 and CentOS 7 Unitrends Backup virtual appliances are described below.

# Requirements for CentOS 6 Unitrends Backup virtual appliance

Your CentOS 6 Unitrends Backup appliance must meet these prerequisites:

- Snapshot consolidation Use the Nutanix Prism Web Console to consolidate any snapshots on the CentOS 6 VM.
- Manager appliances The CentOS 6 appliance must not be managing another appliance. Migration is not supported for manager appliances.
- Appliance version and platform The appliance is running 10.5.0-3 or higher on the CentOS 6 platform. To check, select **? > About**:

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88	DASHBOARD		MMARY		🗘 🌣 🚺 Got Questio	ons? Ask the	ONLINE HELP COMMUNITY OPEN SUPPORT TUNNEL
0	PROTECT	SOFTWARE INFORMAT	10N	HARDWARE INFORMAT	TION	anyone ha	PRODUCT TOUR FEEDBACK
		Appliance Name	pm-ueb-86	Appliance Type	unknown	21PM 🗎	ABOUT RELEASE FEATURES
	RECOVER	Appliance IP Address	192.100.13 1.06	Processor Type	Intel(R) Xeon(R) CPU E5620		
Ê	JOBS	Appliance Version	10.5.0-3.202101151631.CentOS6	Processor Cores	8	have backups o	ffloaded onto
		RecoveryOS Version	CentOS6 6.6.1810	Processor Cache	512 KB	Licensing is it s	till possible
h	REPORTS	Install Date	Fri 15 Jan 2021 01:42:19 PM EST	Processor Frequency	3.199618 GHz	se VMs and res	tore them?
*	CONFIGURE	-BROWSER INFORMATI	ON	Memory (GB)	15.9 GB	' - HOT TARGE	tts 🗢 🗢
¥r.	CONFIGURE		Firefox	Asset Tag	ac462306-d1c3-41be-8542-44dbe590	0	0.0
	e	Screen Resolution	1920 x 1080	MAC Address	000c29db0b2d	Protected	Average Speed B/s
						TRANSFER RA	OB/s
				Copyright © Unitrends, I	nc. 2015-Present, All Rights Reserved		
					Close		
						01/12 01/13 01	14 01/15 01/18

License and asset tag – The appliance has a valid license, support contract, and asset tag (Configure > Appliance > Edit Appliance > License):



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Appliances 2 rotected Asset	4
View:Table Add Appliance	Z Edit 🛞 Remove
	dit Appliance O
RECOVER	General Email Users Date Time License Backup Copy Advanced
<b>і</b> јовs	Asset Tag ac46
REPORTS	License Enterprise Plus
	Expires never
Storage Backup Copy	Feature Description Unlimited Hot Backup Copies and Backups, Encryption, Cold Backup Copy, Copy Data Management
🚯 Add Storage 🔻	Feature String ENTRB,MUX=10,VC=INF,RC=300G,D2D=INF,ENC,ADX,NDMP=1,MKT=4
NAME 👻 STA	License Key IToc
🖸 Internal 🥥	
	Update Resources Add License Info
	Save Cancel

- Internet access The appliance has access to the Internet.
- Email Email is configured on the appliance so you can receive email notifications related to platform migration (Configure > Appliance > Edit Appliance > Email):



Generat	Empil	Licore	Date Tim	e Lie	2000	Backup Copy	Advanced
	Email	users	Date fim	LIC	51156	Баскор Сору	Auvanced
TP SETTINGS							
🗹 Enable email re	porting	_					
Report	ting is enabled						
SMTP Server	uniti	utlook	com	SMTP server i	s configure	ed	
	credentials						
	creacinats						
Username							
Password							
Send a rest Email	J						
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AIL RECIPIENTS							
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- Filesystem configuration The database resides on the storage partition. This is the default configuration. If your
  database was moved to a separate partition, migration is not supported. The migration tool detects this and no
  data is migrated.
- Filesystem configuration The appliance is configured with expanded storage. To verify that storage has been expanded:
  - On the Configure > Appliances page, select the appliance and click Edit. Click Advanced and select Support Toolbox.



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DASHBOARD	Appliances 2	Protected Ass	ets	•						
PROTECT	APPLIANCE	Add Appliance	dit Appliance	4 Remov	re					0
RECOVER	pm-ueb-86	O Availab	General ENCRYPTION SET	Emai'	Users	Date Time	License	Backup Copy	Advanced	5
JOBS			Current Passph	nrase						
			New Passphra Confirm New F	se Passphrase						
			Save Master K	ey File						
			Name		Host	Port	Targe	t	LUN	^
										~
			🔂 Add	🖞 Edit ( De	elete					
		6	Support Toolbox	General Conf	iguration OS Pass	iSCSI CHAP	SNMP VM Re	eplica Configuration	Sa	ve Cancel

- In the Support Toolbox (Advanced) dialog, click **Filesystem Information**. If you see /\_Stateless, storage has been expanded.



ACLIVE FOILS	Active Support Tunnel	
All active or listening network ports	Checks for an active support tunnel and returns its	
	port number. Returns 0 if no tunnel exists.	
Appliance	Asset Tag	
Information about Appliance type	Asset tag display	
Date and Time	Disk Free Space	
System date and time	Free space available on each partition	
Disk Status	Filesystem Information	-1
Gathers all relevant Disk Status from the Unitrends System.	Information about all filesystems on the System	
Hardware Results: Filesystem Information		
Hardware de		
#		
# /etc/istab # Created by anaconda on Fri A	pr 26 18:38:30 2019	
# /etc/istab # Created by anaconda on Fri A # # Accessible filesystems, by r	pr 26 18:38:30 2019 eference, are maintained under '/dev/disk'	
<pre># /etc/istab # Created by anaconda on Fri A # # Accessible filesystems, by r # See man pages fstab(5), find #</pre>	pr 26 18:38:30 2019 eference, are maintained under '/dev/disk' fs(8), mount(8) and/or blkid(8) for more info	
<pre># /etc/istab # Created by anaconda on Fri A # # Accessible filesystems, by r # See man pages fstab(5), find # UUID=8fcad43e-fd56-4f0f-bb26-c 1 1</pre>	pr 26 18:38:30 2019 eference, are maintained under '/dev/disk' fs(8), mount(8) and/or blkid(8) for more info d93868aee96 / ext4 de	faults
<pre># /etc/istab # Created by anaconda on Fri A # # Created by anaconda on Fri A # # Accessible filesystems, by r # See man pages fstab(5), find # UUID=8fcad43e-fd56-4f0f-bb26-c 1 1 UUID=70d093d9-bba3-4e94-8d5f-d 1 2</pre>	pr 26 18:38:30 2019 eference, are maintained under '/dev/disk' fs(8), mount(8) and/or blkid(8) for more info d93868aee96 / ext4 de d6b2951fdc6 /boot ext4 de	faults faults
<pre># /etc/istab # Created by anaconda on Fri A # # Accessible filesystems, by r # See man pages fstab(5), find # UUID=8fcad43e-fd56-4f0f-bb26-c 1 1 UUID=70d093d9-bba3-4e94-8d5f-d 1 2 UUID=4b98fec0-dd98-4ec6-b272-1 1 2</pre>	pr 26 18:38:30 2019 eference, are maintained under '/dev/disk' fs(8), mount(8) and/or blkid(8) for more info d93868aee96 / ext4 de d6b2951fdc6 /boot ext4 de d3deb5501cf /usr ext4 de	faults faults faults
<pre># /etc/JStab # Created by anaconda on Fri A # # Accessible filesystems, by r # See man pages fstab(5), find # UUID=8fcad43e-fd56-4f0f-bb26-c 1 1 UUID=70d093d9-bba3-4e94-8d5f-d 1 2 UUID=4b98fec0-dd98-4ec6-b272-1 1 2 UUID=5edd24fd-feba-4f59-9a3b-9 1 2</pre>	pr 26 18:38:30 2019 eference, are maintained under '/dev/disk' fs(8), mount(8) and/or blkid(8) for more info d93868aee96 / ext4 de d6b2951fdc6 /boot ext4 de d3deb5501cf /usr ext4 de 6acf4aa88c3 /usr/bp ext4 de	faults faults faults faults
<pre># /etc/istab # Created by anaconda on Fri A # # Accessible filesystems, by r # See man pages fstab(5), find # UUID=8fcad43e-fd56-4f0f-bb26-c 1 1 UUID=70d093d9-bba3-4e94-8d5f-d 1 2 UUID=4b98fec0-dd98-4ec6-b272-1 1 2 UUID=5edd24fd-feba-4f59-9a3b-9 1 2 UUID=349024e0-42cd-4979-8939-0 1 2</pre>	pr 26 18:38:30 2019 eference, are maintained under '/dev/disk' fs(8), mount(8) and/or blkid(8) for more info d93868aee96 / ext4 de d6b2951fdc6 /boot ext4 de d3deb5501cf /usr ext4 de 6acf4aa88c3 /usr/bp ext4 de a9da4f19d06 /var ext4 de	faults faults faults faults faults
<pre># /etc/JStaB # Created by anaconda on Fri A # # Accessible filesystems, by r # See man pages fstab(5), find # UUID=8fcad43e-fd56-4f0f-bb26-c 1 1 UUID=70d093d9-bba3-4e94-8d5f-d 1 2 UUID=4b98fec0-dd98-4ec6-b272-1 1 2 UUID=5edd24fd-feba-4f59-9a3b-9 1 2 UUID=349024e0-42cd-4979-8939-0 1 2 /dev/mapper/vg_root-lv_swap sw /dev/dvd /media pamconsole.exec.nouto.manared</pre>	pr 26 18:38:30 2019 eference, are maintained under '/dev/disk' fs(8), mount(8) and/or blkid(8) for more info d93868aee96 / ext4 de d6b2951fdc6 /boot ext4 de d3deb5501cf /usr ext4 de 6acf4aa88c3 /usr/bp ext4 de a9da4f19d06 /var ext4 de ap swap defaults /cdrecorder1 auto 0 0	faults faults faults faults faults 0 0
<pre># /etc/JStab # Created by anaconda on Fri A # # Accessible filesystems, by r # See man pages fstab(5), find # UUID=8fcad43e-fd56-4f0f-bb26-c 1 1 UUID=70d093d9-bba3-4e94-8d5f-d 1 2 UUID=4b98fec0-dd98-4ec6-b272-1 1 2 UUID=5edd24fd-feba-4f59-9a3b-9 1 2 UUID=5edd24fd-feba-4f59-9a3b-9 1 2 UUID=349024e0-42cd-4979-8939-0 1 2 /dev/mapper/vg_root-lv_swap sw /dev/dvd /media pamconsole, exec, noauto, managed /tmp /var/tmp none r /dev/mapper/vg_state-lv_backup</pre>	pr 26 18:38:30 2019 eference, are maintained under '/dev/disk' fs(8), mount(8) and/or blkid(8) for more info d93868aee96 / ext4 de d6b2951fdc6 /boot ext4 de d3deb5501cf /usr ext4 de 6acf4aa88c3 /usr/bp ext4 de a9da4f19d06 /var ext4 de a9da4f19d06 /var ext4 de a9da4f19d06 /var ext4 de a0 swap defaults /cdrecorder1 auto 0 w,nosuid,nodev,noexec,bind 0 0 /_Stateless xfs defaults,inode64 1 2	faults faults faults faults faults 0 0

• Available space – The /\_Stateless partition must have adequate available space to accommodate the database migration. To check the space available, select **Disk Free Space** in the Support Toolbox (Advanced) dialog:



Support 1	Foolbox (Advanced)						?	
Active Ports All active or listening network ports			Active Support Tunnel Checks for an active support tunnel and returns its port number. Returns 0 if no tunnel exists.					
Appliance	Asset Tag Asset tag display					Ì		
Date and Tin System date a	Disk Free	space a	Space vailable	e on e	each partition	1		
Disk Status	Results: Disk Free Space					)		
Hardware de	<pre>Filesystem devtmpfs tmpfs tmpfs tmpfs /dev/sda2 /dev/sda5 /dev/sda4 /de</pre>	Size 1.9G 1.9G 1.9G 976M 5.8G 239M 3.9G 200G 200G 200G 4M	Used 0 32K 186M 0 227M 2.7G 194M 676M 6.0G 96G 96G 96G 0 0	Avail 1.9G 1.9G 1.7G 1.9G 683M 2.9G 29M 3.0G 41G 105G 105G 64M 	Use% 0% 1% 0% 25% 49% 88% 19% 13% 48% fe7ed 0%	Mounted on /dev /dev/shm /run /sys/fs/cgroup / /usr /boot /var /usr/bp /_Stateless/backup ab1253f271dcb7a135 / Stateless/backup Space Tb500czuzz6751 /run/user/0	2 lable s 10 am	

• Encryption – If backups are being encrypted, save the encryption passphrase in a safe place. You must manually configure encryption with this same passphrase on the new CentOS 7 appliance.

**IMPORTANT!** If you are not able to configure encryption on the CentOS 7 appliance using the original passphrase, there is no way to recover the encrypted backups that were migrated from the CentOS 6 appliance.

- Cold backup copy devices Any cold backup copy target devices have been disconnected.
- Backup and cold backup copy jobs There are no active backup and cold backup copy jobs. If jobs are running, wait for them to complete or cancel them before starting the migration.
- Recovery objects Check these tabs for any active recovery objects: Recover > File Level Recovery, Instant Recovery, and Replicas. Tear down any objects before starting the migration. You will need to recreate these objects on the CentOS 7 appliance.



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DASHBOARD	Backup Catalog File Level Recovery Instant Recovery Replicas	
PROTECT	Set View Details         Tear Down           Check tabs and tear down any active recovery objects         NAME         HOST         N	AODE SOURCE APPLIANCE
RECOVER	There are no active Instant Recovery VMs	

## Deployment requirements for CentOS 7 Unitrends Backup virtual appliance

You will deploy a new CentOS 7 Unitrends Backup appliance that will be used to replace your original CentOS 6 appliance. Deployment requirements are described below.

### Hypervisor requirements

The following requirements and considerations apply to the Nutanix AHV host cluster:

Item	Description
Nutanix AHV host cluster version	The AHV host must be running Acropolis Operating System (AOS) version 5.1.4 or a higher version supported version listed in the <u>Unitrends Compatibility and Interoperability Matrix</u> .
AHV host for protected VMs	Unitrends recommends running your appliance and the VMs it protects on different hosts to avoid losing your VMs and their backups if one of the hosts fails.





### **Network requirements**

- During deployment, you will configure these network settings: IP address and subnet, gateway, and DNS. Be sure to use the same network configuration as the original CentOS 6 appliance.
- To view the network settings of the CentOS 6 appliance, select Configure > Appliances > Network:

#### Notes:

- Initially, the Unitrends Backup VM is created with the IP address 10.10.10.1 and the subnet mask 255.255.255.0. If this IP is currently being used in your environment, disable it until you bring the Unitrends Backup VM online and assign it a new IP address.
- Additional ports must be open if there is a firewall between your appliance and its protected assets, for connectivity to the Internet, and for connectivity to any hot backup copy target. For details, see



Appl MAX	iance network settings > Addii , ION/ION+, and Unitrends Ba	tional ports in the <u>A</u> ckup	dministrator Gu	ide for Recover	ry Series, Recovery
UNITREN	IDS			<mark>.</mark>	? 🌣 台 root 🗸 Ҟ
DASHBOARD	Appliances 2 Protected Assets				
	View:Table 🕂 Add Appliance 🗹 Edit	Remove			
PROTECT	APPLIANCE STATUS	ADDRESS VERSION	L	STORAGE	REGISTERED ASSETS
RECOVER	pm-ueb-86 O Available (logged in)	15 86 10.5.0-32	02101160916.CentOS6	_	339
JOBS	Storage Backup Copy Targets Ne	etwork 4 Interactions			
	C Refresh     Edit     Edit Hosts File       ADAPTER •     MAC ADDRESS     IP ADDRESS	Ports       GATEWAY       SUBNET MASK	DNS1 DNS2	DNS SEARCH	
	ens192 00.0c:29:db:0b:2d 15 6	194.1 255.255.255.0	19 100 192 15±00.±000 19.	unitrends.com, Hy	per170Lab.com, unitrends.com

### Virtual machine resource requirements

The following minimum resources are required:

- 100GB of space for the VM's initial disk.
- A minimum of 2 virtual processors (VCPUs) or the number of VCPUs on the original CentOS 6 appliance, whichever is greater.
- A minimum of 8GB of RAM or the amount of RAM on the original CentOS 6 appliance, whichever is greater.

To check the CPU and RAM of the CentOS 6 appliance in the appliance UI, select ? > About:



#### CentOS 6 to CentOS 7 Migration Guide for AHV

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88	DASHBOARD	BACKUP SUI About this Appliance	VMARY		🗇 🌣 🚺 Got Questic	ons? Ask the	
•	PROTECT	SOFTWARE INFORMAT	ION	-HARDWARE INFORMAT	7ION	ice behind	RODUCT TOUR EEDBACK
	RECOVER	Appliance Name	pm-ueb-86	Appliance Type	unknown	2 21PM	BOUT ELEASE FEATURES
	RECOVER	Appliance IP Address	192.100.13 1.06	Processor Type	Intel(R) Xeon(R) CPU E5620		
Ê	JOBS	Appliance Version	10.5.0-3.202101151631.CentOS6	Processor Cores	8	have backups offler r long term storag	oaded onto le. If we do
		RecoveryOS Version	CentOS6 6.6.1810	Processor Cache	512 KB	licensing is it still	possible
ш	REPORTS	Install Date	Fri 15 Jan 2021 01:42:19 PM EST	Processor Frequency	3.199618 GHz	SC VMS and restor	
ð	CONFIGURE	BROWSER INFORMATIO	ON	Memory (GB)	15.9 GB	' - HOT TARGETS	\$ \$
		Туре	Firefox	Asset Tag	ac462306-d1c3-41be-8542-44dbe590	0	0.0 Average Speed
	6	Screen Resolution	1920 x 1080	MAC Address	000c29db0b2d	Protected	B/s
						TRANSFER RATE	0B/s
				Copyright © Unitrends, I	nc. 2015-Present, All Rights Reserved		
					Close	01/12 01/13 01/14	01/15 01/18



## **Chapter 3: Migration Procedures**

Use these procedures to migrate your CentOS 6 appliance to CentOS 7.

## Step 1: Migrate data on the CentOS 6 appliance

- IMPORTANT!Before running this procedure, use the Nutanix Prism Web Console to consolidate snapshots on the<br/>CentOS 6 VM. If your backups are encrypted, be sure you can access the passphrase that was<br/>configured on the CentOS 6 appliance. Once data has been migrated, the original CentOS 6<br/>appliance is no longer usable. Any encrypted backups can only be recovered by configuring<br/>encryption on the CentOS 7 appliance using the CentOS 6 passphrase.
- 1 Log in to the CentOS 6 appliance UI.

You must log in directly to the appliance. You cannot access the Support Toolbox of a managed appliance.

2 On the **Configure > Appliances** page, select the appliance and click **Edit**.



3 Click Advanced and select Support Toolbox.



	Email Users	Date Time	License Back	up Copy Advanced	
CRYPTION SETTING	5				
Enable Encryptic	n				
Current Passphrase					
Change Passphra	ase				
New Passphrase					
Confirm New Passpl	hrase				
Save Master Key File	9				
N DIRECT DETAILS					
Name	Host	Port	Target	LUN	
					^
					~

4 In the Support Toolbox (Advanced) dialog, scroll down and click **Migrate from CentOS 6 to CentOS 7**.

**IMPORTANT!** Migration time varies by database size. Do not manually close the user interface while the migration is running. It is safe to close the UI after the Results Migration message displays.

Support Toolbox (Advanced)	•						
Hosts File Listing of system hosts file	IOPS Test Tests the IOPS to the primary storage						
IPMI Status Gathers all relevant IPMI Status from the Unitrends System.	Kernel Information Kernel revision, build date, and system architecture	8					
LVM Status Status of LVM subsystem: physical volumes, logical volumes, and volume groups	Maximum Backups Displays maximum amount of client data supported on this platform (if defined)						
Memory Usage Free and available system Click here	Migrate from CentOS6 to CentOS7 Refer to and complete all steps in the Migration KB found in the 10.5.0 release notes before clicking on this button.	ntOS7' command					
Modules Loaded Status of modules loaded in the Linux Kernel	Mountpoints System mountpoints	•					

- 5 The migration tool does the following:
  - Verifies that all appliance requirements have been met.

#### Notes:

• If requirements have not been met, a message displays describing the issue.



Click Close to exit the message, then address the requirement.



 Migrates the database, sends a confirmation message to the Appliance email recipients, then powers off the CentOS 6 VM. Sample confirmation email:

Fwd: Unitrends System Migration Status Information					
Si I nth (ya i 1001 Papil.com)		G Reply	" Reply All	→ Forward	
To Sai Vitta				Fri 1/15/202	1 1:19 PM
[EXTERNAL]					
Ennusrdad warraa					
From: root@c6-test>					
Date: Wed, Jan 13, 2021 at 5:21 PM					
Subject: Unitrends System Migration Status Information					
This email is a confirmation of successful initial steps performed for Platform Migration. Please follow the below linked KB article to complete the platfor	m migra	ition.			
Hostname: c6-test					
URL: https://support.unitrends.com/hc/en-us/articles/360013261838-Stateless-appliance-recovery-may-fail-for-Unitrends-Backup-appliances-on-XenSen					

6 A confirmation message displays. Click **Close** to exit the message.



7 Click Close to exit the Support Toolbox.

Support Toolbox (Advanced)		?
Active Ports All active or listening network ports	Active Support Tunnel Checks for an active support tunnel and returns its port number. Returns 0 if no tunnel exists.	)
<b>Disk Status</b> Gathers all relevant Disk Status from the Unitrends System.	Filesystem Information Information about all filesystems on the System	
	Clo	se



## Step 2: Deploy the CentOS 7 Unitrends Backup VM

Use the following procedure to deploy the Unitrends Backup VM.

- **1** Download the Unitrends Backup image:
  - Go to <a href="https://www.unitrends.com/download/enterprise-backup-software">https://www.unitrends.com/download/enterprise-backup-software</a>, complete the form under Try Unitrends Backup, and click **Download Now**.

Unitrends Backup Software Free Trial
Try Unitrends Backup Software Free For 30 Days
Email*
dizan ett.@unitrends.com
Industry*
Business Services 🔹 🗸
Download Now2

- Select Nutanix AHV. Download the file and save it on the machine you will use to access your Nutanix AHV host for the deployment.
- 2 Log in to Prism as a user with administrative privileges.
- 3 Upload the Unitrends image:
  - Click the gear icon and select Image Configuration.



Click Upload Image.



Image Configuration				? ×
Manage the images to be	used for creating virtual disks.			
+ Upload Image	Click to upload			
NAME	ANNOTATION	TYPE	STATE	
Nutanix VirtIO 1.1.2 fo	Nutanix VirtIO 1.1.2 for Win	ISO	ACTIVE	Z - X
TestUEBDisk		DISK	ACTIVE	Z - X
UB OVF		DISK	ACTIVE	Z - X
Ubuntu1604		ISO	ACTIVE	Z - X
Win10_1709_sept_2	en_windows_10_multi-edit	ISO	ACTIVE	Z - X
Win2012R2		ISO	ACTIVE	✓ × X
				Close

- Enter a unique name for the image.
- Select **Disk** in the Image Type list.
- Select a storage container that will be used to create the image.
- Select the Upload a file option, click Browse and select the Unitrends image.
- Click Save.

Create Image	?	×
Doc-UB Inter a unique name for the Unitrends image		
MAGE TYPE DISK 2 Select Disk		•
STORAGE CONTAINER NutanixManagementShare 3 Select a storage container		•
IMAGE SOURCE		
O From URL		
Upload a file Browse AHV-UB-10.3.9-1.vmdk	0	
Back Select Upload and browse to select the Unitrends image Cancel	U	Save

• The hypervisor uploads the file and creates the image. Click **Close** to exit.



Image Configuration				?	×
	Successfully created image			×	
Manage the images to be u + Upload Image	ised for creating virtual disks.	Image	is created		
NAME	ANNOTATION	TYPE	STATE		
Doc-UB		DISK	INACTIVE		
Nutanix VirtlO 1.1.2 fo	Nutanix VirtIO 1.1.2 for Win	ISO	ACTIVE		
TestUEBDisk		DISK	ACTIVE		
UB OVF		DISK	ACTIVE		
Ubuntu1604		ISO	ACTIVE		
Win10_1709_sept_2	en_windows_10_multi-edit	ISO	ACTIVE		
Win2012R2		ISO	ACTIVE		
		Click	to exit	С	ose

4 After the image is created, it takes some time to become active. Re-open the Image Configuration dialog and verify that the image has entered the active state before continuing to the next step.

Image Configuration			? )	<
Manage the images to be used for creating virtual disks.				
+ Upload Image				
NAME 1 Wait for the image to en	ter the ac	tive state.		
Doc-UB	DISK	ACTIVE	2 - X	
Nutanix VirtlO 1.1.2 fo Nutanix VirtlO 1.1.2 for Win	ISO	ACTIVE	Z - X	
TestUEBDisk	DISK	ACTIVE	Z - X	
UB OVF	DISK	ACTIVE	Z - X	
Ubuntu1604	ISO	ACTIVE	$\mathbf{z} \in \mathbf{X}$	
Win10_1709_sept_2 en_windows_10_multi-edit	ISO	ACTIVE	$\mathbf{Z} \in \mathbf{X}$	
Win2012R2	ISO	ACTIVE	$\mathbf{z} \in \mathbf{X}$	
		2–	Close	

- 5 Create the Unitrends Backup VM:
  - Select the VM menu and click Create VM.
  - Enter a unique Name for the VM.



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• Enter Compute Details. Ensure that the VCPUs and memory meet or exceed the settings of the CentOS 6 appliance.

nutanix01	VM	· · · · · · · · · · · · · · · · · · ·
Overview · Tab	le	Select the VM menu     + Create VM     Network Config
Hypervisor Summa	агу	Create VM ? × 2 VM Events
<b>AHV</b> HYPERVISOR	20'	General Configuration NAME Doc-UB3 Enter a unique VM name
VM Summary	Ava	Optional DESCRIPTION
<b>51</b> VM(5)	<ul> <li>On</li> <li>Off</li> <li>Sut</li> <li>Pat</li> </ul>	Compute Details
СРИ		4
85 PROVISIONED VCPUS	RE	NUMBER OF CORES PER VCPU     Enter compute details.       2     4       Minimum requirements:     8GB RAM, 2 VCPUs       8     GiB
		Cancel

- Scroll down and select Add New Disk.
- Select the following settings, then click Add:
  - Disk in the Type list.
  - Clone from Image Service in the Operation list.
  - SCSI in the Bus Type list.
  - The Unitrends image you created above in the Image list.



Create VM	? X	
Disks	1 + Add New Disk	^
BOOT DEVICE TYPE	Add Disk	? X
Volume Groups	TYPE DISK	~
Please crea	OPERATION Clone from Image Service	~
	scsi	Select disk settings
Network Adapters (NIC)	IMAGE doc-ub-image	•
		3
		Cancel
	Cancel	

- Configure a NIC:
  - Scroll down and click Add New NIC.
  - Select a NIC from the VLAN Name list, then click Add.
- Click **Save** to create the VM.



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Create VM	?   x	
Add Volume Group	^	
	Create NIC	? ×
Network Adapters (NIC)	VLAN NAME TestNW01	~
You haven't added any NICs yet.	VLAN ID Vlan.0	
VALUet Affeity	VLAN UUID 39625ef1-96c5-4b13-8fb2-43260336f4f7	
You haven't pinned the VM to any host	NONE	9
Set Affinity		Cancel Add
Enable Flash Mode ⑦	4	
	Close Save	

### Step 3: Attach backup storage

In this step you will attach the storage that contains backups from the CentOS 6 Unitrends Backup appliance.

IMPORTANT!Be sure to attach the vDisk that was used as the initial backup storage first (before adding any other<br/>vDisks). Adding the wrong vDisk first yields undesirable results. The appliance automatically uses<br/>the first vDisk you attach as the initial backup storage. The appliance then recognizes all<br/>subsequent attached disks and can access all existing backup data.

To add a vDisk that contains backups from the CentOS 6 Unitrends Backup appliance:

- **1** View the disks on the original AHV appliance to determine the SCSI ID of the vDisk you want to use:
  - Log in to Prism as a user with administrative privileges.
  - Select the original appliance VM ( the appliance with the vDisk that contains Unitrends backups) and click Update.



nutanix01 VM	~	🏶 · 🖡	3.	0 🚥 🗸	N				۵	?~ ≮	¥ ~   A	dmin 💄 ~
VM					Include Con	troller VMs	21–30 of 57	7 (filtered from 6	i0) · <b>&lt; &gt;</b> ·	🌣 🗸 - 🛛 searc	h in table	٩
<ul> <li>VM NAME</li> </ul>	HOST	IP ADDRESSES	CORES	MEMORY CAPACITY	STORAGE	CPU USAGE	CONTROLLER READ IOPS	CONTROLLER WRITE IOPS	CONTROLLER IO BANDWIDTH	CONTROLLER AVG IO LATENCY	BACKUP	FLASH MODE
<ul> <li>.QA - Mark - Windows</li> <li>VM for SLA Testing</li> </ul>	NTNX-175M6 D120075-B	169.25	1	2 GiB	8.96 GiB / 80 GiB	1.98%	0	0	8 KBps	6 ms	Yes	No
<ul> <li>.QA - Mark - Windows</li> <li>VM w/ multiple NICs</li> </ul>	NTNX-175M6 D120075-B	169.25	1	2 GiB	8.84 GiB / 80 GiB	6.45%	0	0	8 KBps	2.51 ms	Yes	No
Doc-UB			4	8 GiB	4.23 GiB / 100 GiB	0%	-	-	-	-	Yes	No
e doc-ubuntu	NTNX-175M6		1	2 GiB	3.82 GiB / 23	62.75	0	1	8 KBps	3.27 ms	Yes 2	No
Summary > Doc-UB		Manage G	Suest Tools	s -휜 Laund	ch Console P	ower on	Take Snap	oshot Migr	rate Pause	Clone	Update	X Delete

- Scroll down to view VM disks. Find the container name and SCSI ID of the initial backup storage disk (typically scsi.1).
  - Do not add the 100GB disk. The 100GB disk was used to create the appliance VM. This disk does not store Unitrends backups.
  - The next disk that was added is the backup storage disk that you will add to the new appliance.
  - Hover over the disk to view the container name. Note this name and the disk size. You will need these later in this procedure.

							ĺ
NUMBER O	F CORES PER \	/CPU				_	
1							
MEMORY							
4					Gil	3	ł
Disks				+ Add I	New D	isk	
BOOT DEVICE	TYPE	ADDRESS	PARAMETERS				
0	CD-ROM	ide.0	EMPTY=true; BUS=ide	≜ .	<u>,</u> .	×	
0	DISK	scsi.0	SIZE=100GiB; CONTAINER=d.		1.	×	
0	DISK	scsi.1	SIZE=200GiB; CONTAINER=		1.	×	
		SIZE=200G	iiB; CONTAINER=NutanixManag	ementSl	nare <mark>,</mark> B	US=so	si
Volume G	roups						

2 Log in to any Controller VM of the Nutanix AHV cluster through an SSH session.



3 Enter this command to start an AHV CLI session:

# acli			
Example:			

₽ 1 0 - PuTTY	-	×
login as: admin Nutanix Controller VM admin@101.100.171.100's password: Last login: Fri Apr 6 09:51:46 EDT 2018 from 100	on pts/0	^
acropolis> acli session prompt		

4 Enter the following command to find the vmdisk\_uuid of the vDisk you identified in step 1. Note the vmdisk\_uuid. You will need to supply this ID later in this procedure.

<acropolis> vm.disk\_get <vm\_name> disk\_addr=scsi.<number>

Example:



- 5 Return to the Prism Web Console.
- 6 Select the new CentOS 7 appliance VM and click Update.



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nutanix01 VM	~   (	🔊 · 🌲 (	1.	o 2 🗸		N				۹	?~ ≮	¥ ~   A	dmin 💄 ~
Overview · Table											+ Create		
VM					C	) Include C	ontroller VN	1s · 21–30 of 8	87 (filtered from 9	90) · <b>&lt; &gt;</b> ·	¢ - Searc	h in table:	٩
<ul> <li>VM NAME</li> </ul>	HOST	IP ADDRESSES	CORES	MEMORY	STORAGE	CPU USAGE	MEMORY USAGE	CONTROLLER READ IOPS	CONTROLLER WRITE IOPS	CONTROLLER IO BANDWIDTH	CONTROLLER AVG IO LATENCY	BACKUP	FLASH MODE
Doc-UB			4	4 GiB	17.79 GiB / 300 GiB	-	-	-	-	-	-	Yes	No
Doc-UB-2	NTNX-175M6 D120075-C	152.00	8	4 GiB	3.84 GiB / 100 GiB	0.25%	20.39 %	0	1	10 KBps	1.25 ms	Yes	No
o doc-ubuntu	NTNX-175M6 D120075-C		1	2 GiB	7.4 GiB / 23 GiB	64.1%	72.91%	0	0	1 KBps	0.83 ms	Yes	No
oc-W2012R2	NTNX-175M6 D120075-C	160.25	2	4 GiB	9.46 GiB / 70 GiB	3.24%	-	0	0	12 KBps	1.03 ms	Yes	No
doc-W2012R2_restore			2	4 GiB	9.46 GiB / 70 GiB	-	-	-	-	-	-	Yes	No
Summary > Doc-UB-2		Man	age Guest	Tools ·휜 L	aunch Console	Power	Off Actions	Take Sna	apshot Mig	rate Pause	Clone	Update	X Delete

- 7 Scroll down and click Add New Disk.
- 8 Enter these disk settings, then click Add:
  - Select **Disk** from the Type list.
  - Select Clone from ADSF File from the Operation list.
  - Select **SCSI** from the Bus Type list.
  - Enter the following in the ADSF Path field: /<containerName>/.acropolis/vmdisk/<vmdisk\_uuid>
  - Enter the disk size.
- 9 Click Save to update the VM.

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Updat	te VM ? X
Disks	Add New Disk
BO( DE\	Add Disk ? X
	TYPE
	DISK ~
Volu	OPERATION
Voiu	Clone from ADSF file ~
t t	BUS TYPE
	scsi Enter disk settings.
	ADSF PATH
	/NutanixManagementShare/.acropolis/vmdisk/07809d71/6c6-480b-a16b-43
Netv	SIZE (GIB)
	200
	Cancel Add
	Close Save

**10** Proceed to "Step 4: Configure network settings".

## Step 4: Configure network settings

**IMPORTANT!** Be sure to enter settings that match those of the original CentOS 6 appliance.

**1** From the Prism VM menu, select the appliance VM and click **Power On**.



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nutanix01 VM	~	<b>\$</b> \	3.	0 🐨 -	N				Q	? ~   X	<b>)</b> × 1	Admin 💄 ~
Overview · Table										+ Create		
VM					Include Con	troller VMs	21–30 of 57	7 (filtered from 6	0) · <b>&lt; &gt;</b> ·	¢ - Sear	ch in table	e Q
<ul> <li>VM NAME</li> </ul>	HOST	IP ADDRESSES	CORES	MEMORY	STORAGE	CPU USAGE	CONTROLLER READ IOPS	CONTROLLER WRITE IOPS	CONTROLLER IO BANDWIDTH	CONTROLLER AVG IO LATENCY	BACKUP	FLASH MODE
<ul> <li>.QA - Mark - Windows</li> <li>VM for SLA Testing</li> </ul>	NTNX-175M6 D120075-B	169.25	1	2 GiB	8.96 GiB / 80 GiB	6.6%	0	1	16 KBps	13.03 ms	Yes	No
<ul> <li>.QA - Mark - Windows</li> <li>VM w/ multiple NICs</li> </ul>	NTNX-175M6 D120075-B	169.25	1	2 GiB	8.84 GiB / 80 GiB	2.31%	0	0	8 KBps	4.84 ms	Yes	No
Doc-UB			4	8 GiB	4.23 GiB / 300 GiB	0%	-	-	-	-	Yes	No
o doc-ubuntu	NTNX-175M6 D120075-B		1	2 GiB	3.82 GiB / 23 GiB	73.87 %	2 °	0	3 KBps	12.9 ms	Yes	No
Summary > Doc-UB		Manage G	Guest Tool	l <b>s</b> ⊰∃ Laund	ch Console	ower on	Take Snap	oshot Migr	ate Pause	Clone 🥖	Update	X Delete

#### 2 Launch the VM Console.

nutenix01 VM	~   (	\$ \$	3	0 💷 ~	N				۵	<b>?</b> ~   1	<b>¢:</b>	dmin 💄 ~
Overview · Table										+ Create	eVM N	letwork Config
VM					Include Con	troller VMs	21–30 of 57	7 (filtered from 6	0) · <b>&lt; &gt;</b> ·	🕏 🗸 - 🛛 sean	ch in table	Q
<ul> <li>VM NAME</li> </ul>	HOST	IP ADDRESSES	CORES	MEMORY CAPACITY	STORAGE	CPU USAGE	CONTROLLER READ IOPS	CONTROLLER WRITE IOPS	CONTROLLER IO BANDWIDTH	CONTROLLER AVG IO LATENCY	BACKUP	FLASH MODE
<ul> <li>.QA - Mark - Windows</li> <li>VM for SLA Testing</li> </ul>	NTNX-175M6 D120075-B	169.25	1	2 GiB	8.96 GiB / 80 GiB	1.97%	0	0	3 KBps	20.24 ms	Yes	No
<ul> <li>.QA - Mark - Windows</li> <li>VM w/ multiple NICs</li> </ul>	NTNX-175M6 D120075-B	169.25	1	2 GiB	8.84 GiB / 80 GiB	3.77%	0	0	11 KBps	17.86 ms	Yes	No
Doc-UB	NTNX-175M6 D120075-A		4	8 GiB	- / 300 GiB	9.36%	0	o	0 KBps	0 ms	Yes	No
Summary > Doc-UB	Mana	ge Guest Too	ols 🚽	Launch Conso	Click Power Off	to launc f Actions	the VM of Take Snap	console oshot Migr	ate Pause	Clone	Vpdate	X Delete

The remaining steps are run from the Unitrends Backup console interface. On these screens, you select a menu option by entering a number in the **Please enter choice** field.

#### Notes:

- As you complete each step in the Unitrends Backup Console Interface, you are presented with the next configuration screen.
- You can press Enter to accept the default or current setting.
- 3 On the Console Interface screen, enter 1 in the Please Configure Console Access Password... field.



Connected (encrypted) to: Doc-UB	8	Ō	ሀ
Unitrends Backup Console Interface			
1. Console Access Password Setup 2. Network Setup 3. Firewall Settings 4. Advanced Options Enter 1			
Please Configure Console Access Password to proceed furt	.her: <u>1</u>		

4 To change the direct console password, enter a new password, then enter the password again to confirm.

#### Notes:

- This is the root operating system password that accesses the console. This password does not access the UI. (You will change the UI password in "Step 5: Set up the CentOS 7 appliance using the Quick Setup Wizard" on page 35.)
- All appliances are deployed with these default operating systems credentials: user *root*, password *unitrends1*. For appliance security, you must change this password.



5 On the Console Interface screen, enter **2** in the **Please enter choice** field.



6 On the Initial System Setup Menu screen, enter 1 in the Please enter choice field.



Connected (encrypted) to: Doc-UB		0 <b>0</b>
	Unitrends Backup Initial System Setup Menu 1. Configure IP, Netmask and Gateway 2. Configure DNS 3. Configure IPMI LAN 4. Configure DHCP 5. Network Test 6. Back Please enter choice: <u>1</u> — Enter 1	
Manage System using	the web-based interface at one of t eth0 - http://10.10.10.1	he following:

7 Enter a number in the **Select a network adapter** field. For example, enter **0** to select *eth0*.

Connected (encrypted) to: Doc-UB	8 d
0. eth0 Select a network adapter: <u>0</u> ——	Enter a number to select an adapter. If your appliance has multiple adapters, each are listed. In this example, the appliance has one adapter (eth0).

8 Enter **Y** in the **Edit network configuration** field. Then enter the **IP address**, **Netmask**, and **Gateway** of the CentOS 6 appliance. Review the settings and enter **Y** to save.







9 To configure DNS settings, enter **2**, then enter **Y** to edit. Enter the primary DNS IP address, a secondary DNS IP (optional), and a DNS domain. Review the settings and enter **Y** to save.

Connected (encrypted) to: Doc-UB	8	Ó	С
Unitrends Backup Initial System Setup Menu 1. Configure IP, Netmask and Gateway 2. Configure DNS 3. Configure IPMI LAN 4. Configure DHCP 5. Network Test 6. Back Please enter choice: <u>2</u> — Enter 2			
Connected (encrypted) to: Doc-UB	6	o	ك
Current Primary DNS: n/a Current Secondary DNS: n/a Current DNS Domain: vmware-ub Edit DNS configuration? [n/Y]: <u>Y</u> —— Enter Y			
Connected (encrypted) to: Doc-UB	8	o	ሀ
Current Primary DNS: n/a Enter new Primary DNS: 191.100.00.108 — Enter IP of primary DNS se	erver		
Connected (encrypted) to: Doc-UB	6	0	ወ
Current Secondary DNS: n/a Enter new Secondary DNS: 1			





#### 10 To exit network setup, enter 6.

Connected (encrypted) to: Doc-UB	
Unitrends Backup Initial System Setup Menu 1. Configure IP, Netmask and Gateway 2. Configure DNS 3. Configure IPMI LAN 4. Configure DHCP 5. Network Test 6. Back Please enter choice: <u>6</u> — Enter 6	

11 Exit the VM console.



12 Proceed to "Step 5: Set up the CentOS 7 appliance using the Quick Setup Wizard".



Step 5: Set up the CentOS 7 appliance using the Quick Setup Wizard

Use this procedure to set up the appliance:

- 1 Open a browser and connect to your appliance by entering: *https://<appliancelP>/ui*. For example: *https://10.10.10.1/ui*.
- 2 Click Accept to accept the license agreement.



- 3 Set the appliance date and time by doing one of the following, then click Next:
  - Select a **Timezone**. If needed, modify the appliance **Date** and **Time**.

OR

• Check the **Use an NTP Server** box to sync to an NTP server. (Optional) Enter your preferred NTP server address.



UNITRENDS			
Date & Time	Host Name & Password	Email	
	Enter a date and t	ime for your appliance	
	Date	9/4/2019	
	Time	16:05:03	
Crazy-committed to helping you	Time Zone	America/New_York	
play IT safe.	O Use an NTP Serve	er	
	NTP Server Addresses	Add NTP Server Address (Optional)	
		0.centos.pool.ntp.org	
		1.centos.pool.ntp.org	
		Click to contin	Next

4 Enter a Host Name, a Domain, and a new UI Password for the appliance. If needed, enter a new OS Password. Confirm the passwords by entering them again in the fields to the right. Click Next.

#### Notes:

- The hostname can contain only alphanumeric characters, dashes, and underscores.
- The appliance has a UI root user and an OS root user. These are separate accounts. Changing the password of one root user account does NOT change the password of the other root user account. The UI root user is used to log in to the appliance UI. The OS root user is used to log in to the appliance console or for command line access.
- If you have already set the OS password, these fields are disabled in the Quick Setup Wizard.
- Passwords cannot contain the word *Unitrend* (case insensitive).
- The OS password must contain 8 or more characters.
- All appliances are deployed with these default UI and OS credentials: user *root*, password *unitrends1*. For appliance security, you must change these passwords in the Quick Setup Wizard.



UNITR	ENDS						
	Date & Time		Host Name & Passw	ord		Email	
Enter hostname, domain (optional) and appliance	Host Name Domain	vmware-ub unitrends.com	0 0				
UI and OS passwords	UI Password	•••••	0.		-2	Confirm UI password	
with your suc	ocess	•••••	<b>?</b>		-3	Confirm OS password	
						4 Previous	Next

- 5 To enable email from the appliance, check **Enable email reporting** and enter the following:
  - The fully qualified domain name of the SMTP server.
  - (If needed) If the SMTP server requires authentication, select **Authentication required** and enter a **Username** and **Password**.
  - Click + Add Recipients to add a an email recipient. Enter an email address in the Recipient field and select one or more of the System, Jobs, and Failures options to specify which reports the appliance will send to the recipient. Repeat as needed to add more recipients.
- 6 Click Finish.



UNITRENDS							
Date & Time	Host Name & Password				Em	ail	
<b>T</b> i	Enable email reporting	r unitr∈	entication Re	k.com -		• 2	Enter the FQDN of the SMTP server
Our award-winning support team has got your back.	Usernam Passwor Confirm Passwor	e d				3	If the SMTP server uses authentication, check the box and enter credentials
	Recipier jalvarez@unitrends.com djones@unitrends.com	ts		System Jo	os Failu	x x x	For each recipient, enter an email address and select reports to send
	Click to add an email recipient					6 Previous	Finish

7 Click **Recover** to add the migrated backups to the appliance:



# Step 6: (If needed) Configure encryption with the CentOS 6 passphrase

If backups were being encrypted on the CentOS 6 appliance, you must configure encryption with the passphrase that was used by the CentOS 6 appliance. If you do not use the original passphrase, any encrypted backups that were migrated cannot be recovered.

Use this procedure to configure encryption:



1 On the **Configure > Appliances** page, select the appliance and click **Edit**.

UNITRE	NDS	=			<mark>↓</mark> 5 @	🜣 😬 коот 🗸 Ҟ
DASHBOARD	Appliances 2	Protected Assets				
	View:Table	Add Appliance Edit	Remove			
PROTECT	APPLIANCE	STATUS	ADDRESS	VERSION	STORAGE	REGISTERED ASSETS
_	pm-ueb-86	O Available (logged in)	192	10.5.0-3.202101151631.CentOS6	_	339
RECOVER		3				
JOBS						
REPORTS						

- 2 Select the **Advanced** tab.
- 3 Check Enable Encryption.
- 4 Enter the passphrase used by the CentOS 6 appliance in the **Passphrase** and **Confirm Passphrase** fields.

**IMPORTANT!** Be sure to keep the passphrase secure. If you forget the passphrase there is no way to recover it.

5 Click Save.

Ge	eneral	Email	Users	Date Time	License	Backup Copy	Advanced	-6
NCR	YPTION SETT	INGS						
	Enable Encr	yption			3			
Pa	assphrase		~	Ente	r and confirm t	he		
Co	onfirm Passph	nrase		encry	ption passphra	ise		
AN D	DIRECT DETA	ILS						
AN D	DIRECT DETA	ils ———	Host	Port	Target	LUM	N	
AN D	DIRECT DETA	ILS ———	Host	Port	Target	LUN	N	^
	DIRECT DETA		Host	Port	Target	LUN	N	~ >
	Name	ILS	Host	Port	Target	LUN	V	~ >
	Name	ILS	Host	Port	Target	LUN	N	~ ~

- Return to the Edit Appliance dialog.
- 7 Select the Advanced tab and click Save Master Key File.
- 8 (Optional) If your appliance has a CD drive, you can save the key file directly to a CD. Insert a CD into your appliance's CD drive. (If no CD is inserted, the key file is saved to the appliance's samba share.)



#### 9 Click Continue.

Appliances Prote	ected Assets Copied Assets	;					
Hereit View:Table • Add A	pplian 2 🛛 🗹 Edit 🛞 Remo	ove					
APPLIANCE 👻	Edit Appliance						?
🔲 pm-ueb-86	General Email	Users	Date Time	License	Backup Copy	Advanced	3
1	ENCRYPTION SETTINGS     Imable Encryption     Current Passphrase     Change Passphrase						
	New Passphrase Confirm New Passphrase Save Master Key File	-4	5	Dptional) Insert CD drive t	t a CD into your app o save the key to C	bliance's D	
	SAN DIRECT DETAILS	Save Master Key To save the master key will be saved to the app	<b>/ File</b> ile to a CD, insert one now. It liance.	f no CD is found, or your	r appliance does not have a CD	drive, the master key fil	e
Storage Back	🕒 Add 🔀 Edit 🛞	Delete			6	Continue	el
NAME 👻							
U Internal	Support Toolbox General C	onfiguration OS Pas	sword iSCSI CHAP	SNMP VN	M Replica Configuration	Save	Cancel

**10** You receive a message indicating the master key file was saved to the appliance's samba share or to CD. Click **OK**.

Notice	
Master key file was save	ed to the samba share as crypt_image.iso. Please delete this when you have copied it to media.
	ОК
IMPORTANT!	Be sure to keep the master key file secure. If you ever need to appliance, you will need this key to access any encrypted back

- **11** If you saved the key to the appliance's samba share, do these steps:
  - Log in to a Windows workstation as an administrator with full system access.
  - Launch File Explorer and enter the following path to access the master key file on the Unitrends appliance: \\AppliancelP\samba
  - Copy the master key file, called *crypt\_image.iso*, to removable media and store it in a safe location.
  - Once you have copied the key to removable media, delete crypt\_image.iso from \\AppliancelP\samba for increased security.



👱   📙 🛨   samba			1	_		×
File Home	Share View		Enter path to t	he appliance's sa	amba sha	are
← → • ↑ 星	> Network > 192.100.20.2	l4 → samba	5 √	Search samba		٩
Documents	* ^	Name	^	Date modified	Туре	
🔉 🐔 OneDrive	*	🕞 cmc cert util	usage.pdf	1 10:39	PDF File	
🗸 💻 This PC	master key file	crypt_image.i	so	12,7 1:24 PM	Disc Imag	ge File
> 📃 Desktop		er custom_certi	ricate_authority.pdf	10, 10, 2017 10:39	PDF File	
> 🔮 Documents		_				_
> 🕂 Downloads		2	Copy key to remo	vable media, the	n delete	
> 😸 Creative Cloud	Files	t t	he key from the a	appliance's samb	ba share	

## Step 7: (If needed) Add data copy access profiles

Data copy access profiles are not migrated from the CentOS 6 appliance. If you were using the copy data management feature, you need to recreate your data copy access profiles. For details, see <u>Copy Data Management</u> in the Administrator Guide for Recovery Series, Recovery MAX, ION/ION+, and Unitrends Backup.

## **Step 8:** Register and license the CentOS 7 appliance

You must register and license the appliance within 30 days of deploying Unitrends Backup.

Each appliance requires an activation code and license key. Use the procedures below to register and license the appliance:

#### To register a Unitrends Backup appliance

1 On the **Configure > Appliances** page, select the appliance and click **Edit**.

UNITREN	NDS				4 <sup>5</sup> 0	🌣 😁 ROOT 🗸 🔣
DASHBOARD	Appliances 2	Protected Assets				
	Uiew:Table	Add Appliance Edit	A Remove			
PROTECT	APPLIANCE	STATUS	ADDRESS	VERSION	STORAGE	REGISTERED ASSETS
_	pm-ueb-86	O Available (logged in)	192	10.5.0-3202101151631.CentOS6		339
RECOVER		3				
JOBS						

2 Select the License tab and click Update. The Registration Center displays.



General	Email	Users	Date Time	License	Backup Copy	Advanced
ENSE DETAILS						
Asset Tag	03		157			
License						
Install Date						
Expires						
Footure Descri	intion					
Feature String	pton					
License Key						
date	sources					Add License Ir
IJ 🗸						

3 Select I need to activate my purchase:

UNITRENDS	
Unitren Registra YOUR CURRENT ASS YOUR CURRENT LIC	ds Enterprise Backup <sup>TM</sup> ation Center. SET TAG: 038239cd-f421-42a9-8246-1d8e00a82157 ENSE: NO LICENSE
	How Can We Help You Today?
	I have a promo code
	Register my asset
Click here	I need to activate my purchase
	I would like a quote

4 Complete and submit the applicable form.



Unitrends sends an email containing license details. Use the next procedure to apply this license information to the appliance.

#### To license a Unitrends Backup appliance

Use these steps to enter license information you have received from Unitrends.

**1** On the **Configure > Appliances** page, select the appliance and click **Edit**.

UNITRE	NDS				↓ <sup>5</sup>	<b>8</b> ROOT - <b>1</b>
DASHBOARD	Appliances 2	Protected Assets				
0	View:Table	Add Appliance	Remove			
PROTECT	APPLIANCE	STATUS	ADDRESS	VERSION	STORAGE	REGISTERED ASSETS
_	pm-ueb-86	O Available (logged in)	192	10.5.0-3202101151631.CentOS6		339
RECOVER		3				
JOBS						

2 Select the License tab and click Add License Info.

Edit Appliance						0
General	Email	Users	Date Time	License	Backup Copy	Advanced
LICENSE DETAILS	i —				-	
Asset Tag	03	5257C0 T 121 1207 0	- 10 10000000000007			
License						
Install Date						
Expires						
Feature Descr	iption					
Feature String	I					
License Key						
Update Re:	sources					2 Add License Info
						Save Cancel

- 3 Enter the License Key, Expiration Date, and Feature String.
- 4 Click **Save**. The license is applied.



	Email	Users	Date Time	License	Backup Copy	Advanced
CENSE DETAILS						
AccetTag	03		57			
Asset Tag		025700142142074	0240 10000002157			
License						
Install Date						
Expires						
Feature Descriptior	n					
Feature String						
License Key						
ense Key	f2a	37-15010-27100527		0a		
piration Date	01/31/2010	Clear	Date		Enter licens expiration da	e key, te, and
ature String	EN	TRB,MUX=10,VC=IN	NF,RC=INF,D2D=INF,EN	IC,ADX	feature st	tring
						2 Save Cano
Appliance					(	2 Save Can
Appliance	Email	Users	Date Time	License	Backup Copy	Save Cano
Appliance General CENSE DETAILS	Email	Users	Date Time	License	Backup Copy	2 Save Cane Advanced
Appliance General CENSE DETAILS	Email	Users	Date Time	License	Backup Copy	Advanced
Appliance General CENSE DETAILS Asset Tag	Email 03	Users	Date Time	License	Backup Copy	Advanced
Appliance General CENSE DETAILS Asset Tag License	Email 03 Enterprise	Users 8201 M2: 42.1 Edition	Date Time	License	Backup Copy	Advanced
Appliance General CENSE DETAILS Asset Tag License Install Date	Email 03 Enterprise Thu Nov 3	Users 8200-00 M21 - 1207 Edition 16:27:42 2016	Date Time	License	Backup Copy	Advanced
Appliance General CENSE DETAILS Asset Tag License Install Date Expires	Email 03 Enterprise Thu Nov 3 01/31/201	Users 8200-0 M2: 1000 Edition 16:27:42 2016 9	Date Time	License	Backup Copy	Advanced
Appliance General CENSE DETAILS Asset Tag License Install Date Expires Feature Description	Email 03 Enterprise Thu Nov 3 01/31/201	Users BEDT ME: 12-1 Edition 16:27:42 2016 9 Replication or Back	Date Time	License	Backup Copy Lice	2 Save Cano Advanced
Appliance General CENSE DETAILS Asset Tag License Install Date Expires Feature Description Feature String	Email 03 Enterprise Thu Nov 3 01/31/201 n Unlimited ENTRB,MI	Users BEDPL: MIX (Duf) Edition 16:27:42 2016 9 Replication or Back UX=10,VC=INF,RC=I	Date Time	License	Backup Copy	Advanced
Appliance General CENSE DETAILS Asset Tag License Install Date Expires Feature Description Feature String License Key	Email 03 Enterprise Thu Nov 3 01/31/201 n Unlimited ENTRB,MU f2apper	Users 8237-00 M21 1207 Edition 16:27:42 2016 9 Replication or Back UX=10,VC=INF,RC=1 10:001/01 000201	Date Time	License	Backup Copy	Advanced
Appliance General GENSE DETAILS Asset Tag License Install Date Expires Feature Description Feature String License Key	Email 03 Enterprise Thu Nov 3 01/31/201 n Unlimited ENTRB,MU f2a22000	Users 8229-01 M21 1207 Edition 16:27:42 2016 9 Replication or Back UX=10,VC=INF,RC=1 f(005,01,00,-0201)	Date Time	License	Backup Copy Lice	2 Save Cano Advanced
Appliance General GENSE DETAILS Asset Tag License Install Date Expires Feature Description Feature String License Key	Email 03 Enterprise Thu Nov 3 01/31/201 n Unlimited ENTRB,MU f2anner	Users 8230000 M21 4207 Edition 16:27:42 2016 9 Replication or Back UX=10,VC=INF,RC=1	Date Time	License	Backup Copy	2 Save Cano Advanced

