

CTPView Management System, version 7.3R6

Software Release Notes

Release 7.3R6

30th Aug 2019

These release notes accompany Release 7.3R6 of the CTPView Management System software. They describe the defects fixes as well as known issues with the software if any. CTPView Management System software runs on all CTPView devices. This release provides management services for CTP systems running CTPOS 7.3 and below.

New Features and Enhancements:

- [PR 1387325] Need to move away from MySQL and/or MariaDB.
- [PR 1415801] Need FIPS compliant database.
- [PR 1375718] CTPView needs a feature to restore the MySQL database.
- [PR 1399085] Add tacacs attribute to juniper_ctpview_cli to prevent guest login.
- [PR 1412956] Prevent users from configuring wrong buffer settings from CTPView.
- [PR 1417740] Add support for changing banner on CTPView.
- [PR 1421150] Usability enhancements to MS-DCARD.
- [PR 1427982] Customizable bundle runtime command.
- [PR 1361147] 'validate server configuration' shows critical errors for RAID when run on a VM platform.

Issues Fixed in this release:

- [PR 1344492] CTP-View February 2018 ntp-4.2.8p11 NTP Security Vulnerability Announcement VU#961909.
- [PR 1411113] Round trip delay graph shows gaps in CTPView plot.
- [PR 1412497] Cannot sync to secondary with strong passwords.
- [PR 1420732] CTPView copy bundle feature doesn't copy port settings.

Known Issues:

None.

Note:

If you are using CTPView to upgrade or manage CTP devices, you **must** upgrade the CTPView to 7.3R6 before upgrading to CTPOS 7.3R6.

Security Deployment Guide

The guide is available for download at

http://www.juniper.net/techpubs/en_US/ctp7.3/information-products/pathway-pages/ctp-series/index.html

Required Files:

The full suite of security enhancements is available only when the CTPView software is installed on servers running the CentOS 5.11 Operating System. Contact Juniper Networks Technical Assistance Center (JTAC) if you need to upgrade your operating system.

Following files are provided for upgrading the CTPView software.

File/s	Filename	Checksum
Software and CentOS OS Updates	ctpview_complete_centos_7.3R6_190830.tgz	28a2f15623b2fa23324817da4e702edc
Software Updates	web_update_7.3R6_190830.tgz	c069ffd6634391b79353ebf0bfe114ff
ISO image	CentOS_CTPView_7.3R6_190830_CD.iso	5f67fd27a9c90818c97544a007695dbe

Use the following information to determine the correct file to use:

CTPView Server OS	Installed CTPView Release	File for Upgrade	Server Reboots During Upgrade?
Cent OS 5.11	4.5R2 or earlier 4.6R1 or earlier 7.0R4 or earlier 7.1R4 or earlier 7.2R1 or earlier 7.3R5 or earlier	ctpview_complete_centos_7.3R5_180831.tgz	Yes

Installing Software:

On systems running 3.4R2-p1 or 3.4R3 or later:

1. Copy the File for Upgrade to the /tmp directory on the server.
2. Log into server shell.
 - a. On CentOS systems as a System Administrator
3. Run the upgrade script: **upgrade**

On systems running 3.4R2 or earlier and requiring a ctpview_complete file:

1. Copy the Upgrade File to the /tmp directory on the server.
2. Log into server shell. Switch to the **root** user after log in.
3. Unpack the ctpview_complete file. For example,
tar -xvzf ctpview_complete_centos_7.3R6_190830.tgz
4. Run the upgrade script: **upgrade**

On systems running 3.4R2 or earlier and requiring the web_update file:

1. Copy the Upgrade File to the /tmp directory on the server.
2. Log into server shell. Switch to the **root** user after log in.
3. Run the upgrade script: ***upgrade***

Creating a CTPView ESXi Virtual Machine

Software Prerequisites

- VMware ESXi version 6.7, or any version compatible with the version of ESXi server

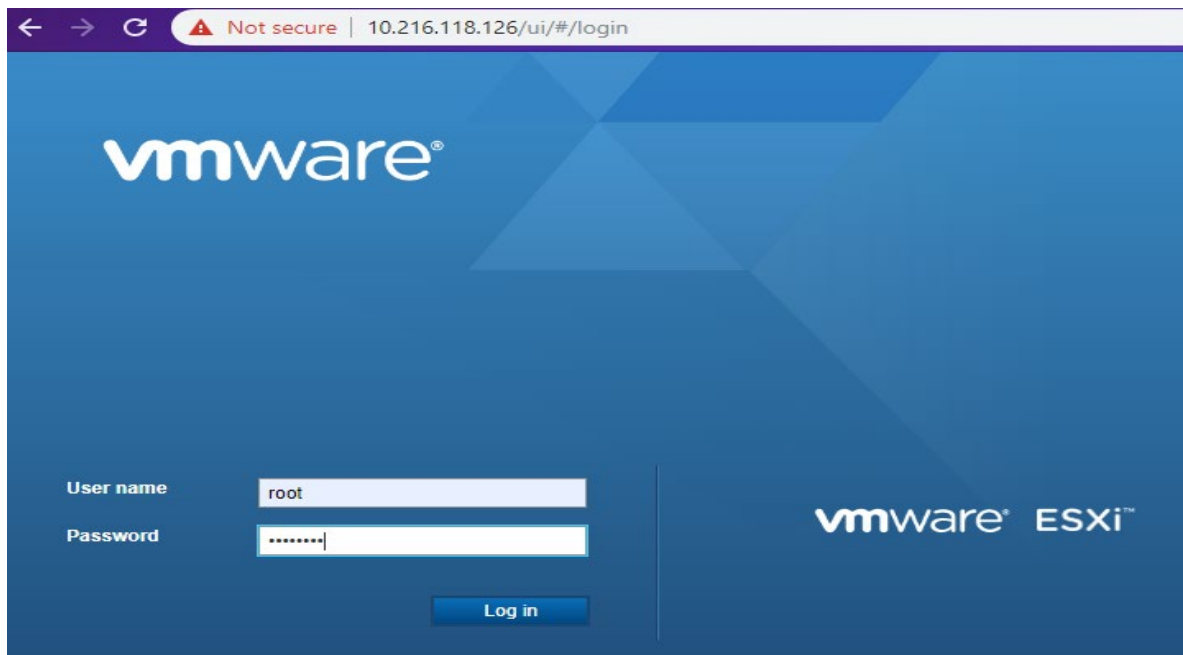
Note – If you are using an older version of ESXi (like 5.x), please refer release documentation for CTPView 7.3R5 or earlier for the steps to create a CTPView ESXi Virtual Machine. Below are the steps to create a CTPView ESXi VM in 6.7 ESXi version.

Installation Steps

1. Copy the ISO image to the ESXi datastore. For example,

/vmfs/volumes/datastore1/ISO_FILES/CentOS_CTPView_7.3R6_190830_CD.iso

2. Enter the vSphere client IP in browser and then enter the ESXi server IP and required login credentials:



3. The vmware ESXi wizard will open. Click on Create/Register VM at the top pf the window.
4. Click “Next”.

The screenshot shows the 'New virtual machine' wizard in VMware ESXi. The title bar reads 'New virtual machine'. On the left, a progress bar shows five steps: 1. Select creation type (highlighted with a green checkmark), 2. Select a name and guest OS, 3. Select storage, 4. Customize settings, and 5. Ready to complete. The main area is titled 'Select creation type' with the subtitle 'How would you like to create a Virtual Machine?'. It contains three radio button options: 'Create a new virtual machine' (selected), 'Deploy a virtual machine from an OVF or OVA file', and 'Register an existing virtual machine'. To the right of these options is a descriptive text: 'This option guides you through creating a new virtual machine. You will be able to customize processors, memory, network connections, and storage. You will need to install a guest operating system after creation.' At the bottom right, there are four buttons: 'Back', 'Next' (highlighted), 'Finish', and 'Cancel'. The VMware logo is visible in the bottom left corner.

5. Enter the Name of the VM. For example, CTPView_7.3R6[102]. Select Guest OS family as “Linux” and Guest OS version as “Other 2.6.x Linux (32-bit)” and Click “Next”.

The screenshot shows the second step of the 'New virtual machine' wizard, titled 'New virtual machine - CTPView_7.3R6[102] (ESXi 6.7 virtual machine)'. The progress bar on the left now highlights step 2, 'Select a name and guest OS'. The main area is titled 'Select a name and guest OS' with the subtitle 'Specify a unique name and OS'. It features a text input field for 'Name' containing 'CTPView_7.3R6[102]'. Below this is a note: 'Virtual machine names can contain up to 80 characters and they must be unique within each ESXi instance.' Another note states: 'Identifying the guest operating system here allows the wizard to provide the appropriate defaults for the operating system installation.' There are three dropdown menus: 'Compatibility' set to 'ESXi 6.7 virtual machine', 'Guest OS family' set to 'Linux', and 'Guest OS version' set to 'Other 2.6.x Linux (32-bit)'. At the bottom right, the 'Next' button is highlighted. The VMware logo is in the bottom left corner.

6. On the next screen, choose the datastore (with at least 80 GB free space) you want to use and click “Next”.

The screenshot shows the 'New virtual machine' wizard for an ESXi 6.7 virtual machine. The left sidebar shows the progress: 1. Select creation type, 2. Select a name and guest OS, 3. Select storage (highlighted), 4. Customize settings, and 5. Ready to complete. The main area is titled 'Select storage' and instructs the user to 'Select the storage type and datastore'. There are two tabs: 'Standard' (selected) and 'Persistent Memory'. Below the tabs, it says 'Select a datastore for the virtual machine's configuration files and all of its' virtual disks.' A table lists available datastores:

Name	Capacity	Free	Type	Thin pro...	Access
datastore1	1.08 TB	179.5 GB	VMFS6	Supported	Single

At the bottom right of the table, it says '1 items'. At the bottom of the wizard, there are four buttons: 'Back', 'Next', 'Finish', and 'Cancel'.

7. Choose the number of CPU as 2, memory as 768 MB (*Note - you may choose a higher memory size*). Choose Hard disk as 40 GB (*Note - you may choose a higher disk size*). Select Network Adapter 1 as VM Network. Choose CD/DVD Drive 1 as Datastore ISO file and select the required ISO file. Click Next.

New virtual machine - CTPView_7.3R6[102] (ESXi 6.7 virtual machine)

- ✓ 1 Select creation type
- ✓ 2 Select a name and guest OS
- ✓ 3 Select storage
- ✓ 4 **Customize settings**
- 5 Ready to complete

Customize settings

Configure the virtual machine hardware and virtual machine additional options

CPU	2		
Memory	768	MB	
Hard disk 1	40	GB	
SCSI Controller 0	LSI Logic Parallel		
SATA Controller 0			
USB controller 1	USB 2.0		
Network Adapter 1	VM Network		<input checked="" type="checkbox"/> Connect
CD/DVD Drive 1	Datastore ISO file		<input checked="" type="checkbox"/> Connect

8. Review your settings selection before finishing the wizard.

New virtual machine - CTPView_7.3R6[102] (ESXi 6.7 virtual machine)

- ✓ 1 Select creation type
- ✓ 2 Select a name and guest OS
- ✓ 3 Select storage
- ✓ 4 Customize settings
- ✓ 5 **Ready to complete**

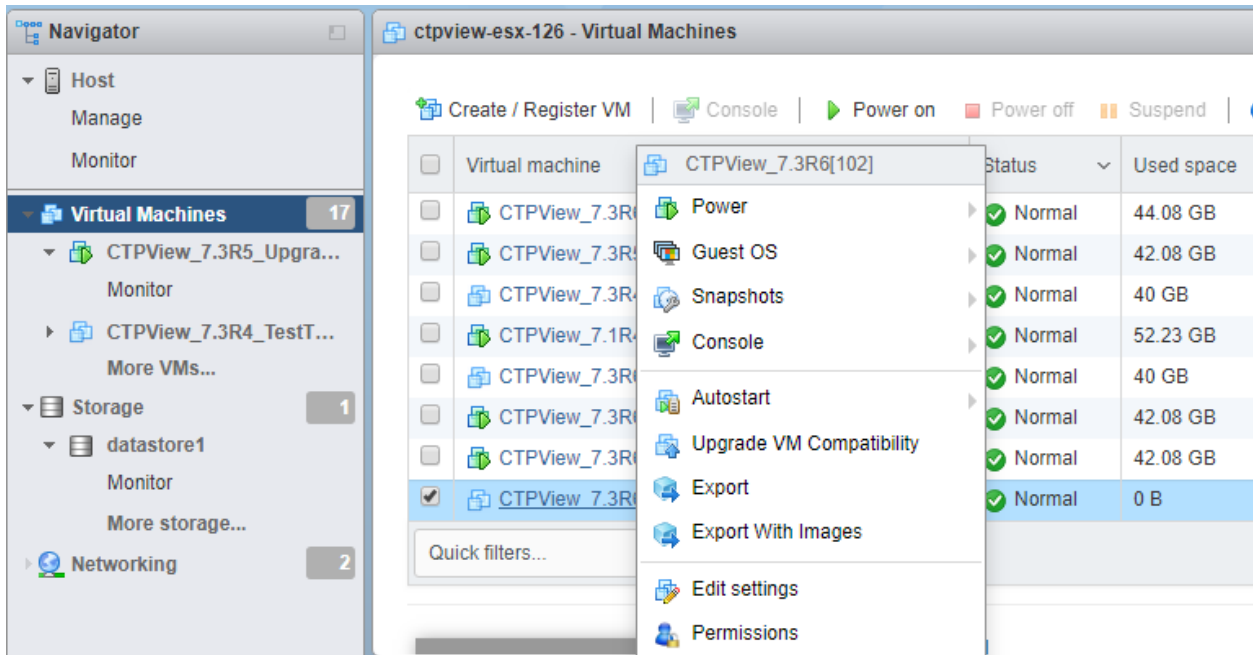
Ready to complete

Review your settings selection before finishing the wizard

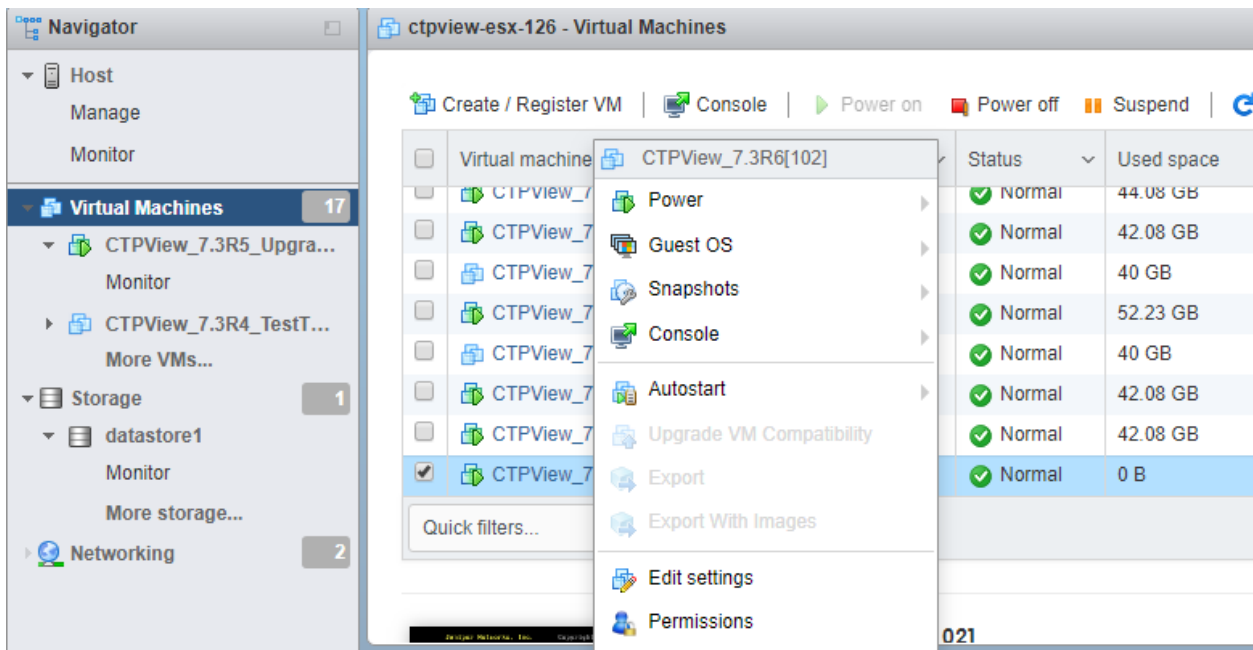
Name	CTPView_7.3R6[102]
Datastore	datastore1
Guest OS name	Other 2.6.x Linux (32-bit)
Compatibility	ESXi 6.7 virtual machine
vCPUs	2
Memory	768 MB
Network adapters	1
Network adapter 1 network	VM Network
Network adapter 1 type	E1000
IDE controller 0	IDE 0
IDE controller 1	IDE 1
SCSI controller 0	LSI Logic Parallel
SATA controller 0	New SATA controller
Hard disk 1	

9. Click "Finish".

10. Click on Virtual Machines in the left. Browse your Virtual Machine that you have created (CTPView_7.3R6[102]). Right click on that Virtual Machine. Go to Power and Power on the Virtual Machine. You can also click "Power On" button at the top to power on the virtual machine.



11. After the virtual machine is powered on, right click on that virtual machine. Go to Console -> Open browser console. You can also click “Console” button at the top to open the console window.



12. Switch to the “Console” tab and click inside the terminal emulator.
13. At the prompt “boot:” enter the installation choice “ctpview-install” and press Enter.

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CTPView Management System Installation Utility
with Custom CentOS 5.3 Operating System

- To install the Custom CentOS and CTPView Management System,
                                TYPE: ctpview-install

- To install a PRODUCTION virtualization of the Custom CentOS and
  CTPView Management System,
                                Requires Minimum 60 GB    TYPE: ctpview-vmware

- To install a DEMONSTRATION virtualization of the Custom CentOS and
  CTPView Management System,
                                Requires Minimum 4 GB     TYPE: ctpview-vmdemo

- To skip installation and proceed to hard drive boot,  press <Enter>

- Use the function keys listed below for more information.
  [F1-Main] [F2-Options] [F3-General] [F4-Kernel] [F5-Rescue]

Type your selection at the prompt below:
boot: _
```

14. Wait for the installation to finish.
15. Now return to the Console tab, login as **juniper_sa** user with **CTPView-2-2** as password and use the CTPView cli menu utility to configure the IP address, netmask, gateway etc.
16. Press "<Ctrl><Alt>" to change input focus back to your desktop.