

# Visual Capacity Optimization Manager Visual Power Manager

**OVF Appliance Installation Guide** 

Release 6.4.0

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Eaton

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#### **Contact Eaton Support**

For your convenience, Eaton provides support to assist you with questions on installation, operation and troubleshooting. Please contact us at:

softwareconnectivityts@eaton.com

800-356-5737 option 2, option 5, option 1



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## 1. Installing the OVF (Appliance)

The OVF has the following default resources to support approximately 1,000 Rackmount Assets (RMA) with a 5-minute poling interval.

Operating System	CentOS Linux 7.9 (64 bit)	
Disk Space	400 GB	
CPU	4 CPU	
	It is strongly suggested that each VM host CPU/Core have a passmark rating of 8000 or above: <u>https://www.cpubenchmark.net/cpu_list.php</u>	
Memory	16GB	
Database	PostgreSQL 11.3.0 server (included with application)	
Web Server	Tomcat 9.0.38 (included with application)	
Virtual Server	VMware Workstation or ESXi 6 and above	

- 1. Download OVF
- 2. Import OVF to your VM Infrastructure
- 3. <u>NOTE: BEFORE BOOTING THE VIRTUAL MACHINE, PLEASE MAKE SURE YOU HAVE A RESERVERD</u> <u>OR STATIC IP FOR THIS VM AND ALSO A DNS ENTRY CREATED FOR THE WEB URL YOU WOULD</u> <u>LIKE TO USE TO ACCESS THE APPLICATION WEB INTERFACE. THESE ARE HARD REQUIREMENTS</u> <u>AND BOTH WILL BE APPLIED DURING THE NEXT STEPS OF THE INSTALLATION WIZARD.</u>
- 4. Start your VM Guest server which is running the application. Do not add or remove a network interface to the VM Guest prior to startup.
- 5. If the machine is slow, you may see this message. Click the Enter key to continue with the initialization process.

Still	searching	for network	interface()	
		K	OK >	

6. If the VM Host renames the network interface, then this message may appear. If you see this message, then hit Enter to continue with the initialization process.

Network int	erface ens33 has been renamed to ens192. Hit the Enter key to
reboot to c	ontinue the initialization process, or hit the Escape key to go
to the OS 1	ogin prompt.
	<mark>&lt; Ок &gt;</mark>



- 7. Choose an IP Configuration from the Network IP Address Configuration Menu
  - a. Static IP Configure the VM Guest with a Static IP Address
  - b. DHCP Use DHCP to dynamically assign an IP Address to the VM Guest
  - c. Cancel The Network IP Address Configuration Menu window will be closed, and the user will be shown the OS login prompt.
  - d. Reboot The VM Guest will be rebooted.

rk ir naaress conriguration		
	There is no external IP address found on this server. Please configure the	
	external IP address use the following options. You can use the UP/DOWM arrow	
	to choose an option. After the option is seleted, hit the Enter key with the	
	UK button highlighted to proceed.	
	Static-IP Static-IP DHCP DHCP	
	Cancel Cancel and go to the login prompt	
	BOOKL EXTERN PEDDEC	
	K OK N	

### 1.1. Static IP

1. Enter the Static IP Address to be configured for the VM Guest



2. Enter the network mask to be used for the Static IP Address



3. Enter the gateway address to be used with the Static IP Address



Enter	the	gatew	ay IF	addres	s:	
5						
		<	OK	>		
		10				

4. Enter the DNS Server to be used with the Static IP Address



5. The configuration of the server will be updated based on the information provided. After 20-30 seconds, the following message will be presented to the user. Access the URL specified and login with the user/password combination to continue with the initialization of the server.

Static-IP is configured. Please point your browser to http://10.10.173/ServerAdmin to initialize the application server(UserID=admin Password=Monit@r#1)	
<u>&lt; 0</u> K →	

### **1.2. DHCP**

1. When the DHCP option is selected the configuration of the server will be updated. After 20-30 seconds, the following message will be presented to the user. Access the URL specified and login with the user/password combination to continue with the initialization of the server.





### **1.3. Finish Configuration in the Server Admin tool**

- 1. Using a web browser application, access the <u>http://IPAddress/ServerAdmin</u> address which was specified in the IP Address Configuration message.
- 2. Use the admin / Monit@r#1 user/pw combination to login to this Server Admin interface.
- 3. Server Admin will recognize the server has not been fully initialized and will present the initialization screen.

Initialization	
Step 1: Set Parame	ters
IP	* 192.168.2.12 ~
Host URL	* vcom640a.long.zone
Timezone	(GMT-05:00) Eastern Time (US and Canada) ~
Current Date Time	02/10/2021 20 · : 18 · (HH:MM) -05:00
Submit	
Step 2: Select Licen	se Type
Step 2: Select Licen	se Type O vCenter License
Step 2: Select Licen  Generic License  Generate License	se Type           vCenter License           Request
Step 2: Select Licen Generic License Generate License Step 3: Upload Lice	se Type      vCenter License Request nse

- 4. Define the IP Address of the server Dropdown list will display IP Address found on the server automatically.
  - a. Note, the following message may appear and will require attention from the network administrator.



- 5. Define the Host URL to be used to access the application
- 6. Define the Timezone to be used for the server
- 7. Confirm the current time fields



- 8. Click Submit to process configuration updates on the server and application.
  - a. Note, if DNS does not have the specified URL registered, the following message will appear. Click OK to continue with the initialization process. You will need to register the specified URL with the DNS system to be able to access the application login page when initialization is complete.
  - b. Alternatively, the computer performing the installation may configure the local Windows hosts file with the IP and URL combination. This will allow the initialization process to complete, but end users would also need to configure hosts files to access the login page. Please make sure the URL is registered in the DNS system.

ET.N VPM Essential			Logout
📑 Initialization	Initialization		
	Step 1: Set Parameters		
	IP	192.168.111.223 ~	
	Host URL	VP Warning X	
	Timezone Current Date Time	No matching IP record can be found in DNS using the specified URL.     Please ensure to add the URL-to-IP record correctly in the DNS so that     the application can be access by the specified URL.	
		ок	
	Submit Step 2: Upload License		
	Upload License File:	Select File Upload License	



9. In the Initialization window Step 2: Select License Type, click the radio button for either Generic License or vCenter License.

**Note:** The Generic License binds the application to the hardware and will fail if vMotion migration moves the server. A vCenter license allows for vMotion migration of the application server. If you are using VMware we strongly recommend this option.

- 10. For a vCenter license enter the following information in the fields shown below:
  - The IP address for the vCenter server

- A read-on	ly username and	d its Password	for the vCenter server	

muanzation		
Step 1: Set Param	sters	
IP	* 192.168.2.12	~
Host URL	* vcom640a.long.zone	
Timezone	(GMT-05:00) Eastern Time (US and Canada)	~
Current Date Time	02/10/2021 20 × : 18 ×	(HH:MM) -05:00
Submit Step 2: Select Lice	nse Туре	
Generic License	• • vCenter License	
Generic License	e • vCenter License	
Generic License IP * User Name *	e • vCenter License 192.168.2.7 vdc@vsphere.local	8
Generic License IP * User Name * Password *	vCenter License  192.168.2.7  vdc@vsphere.local	
Generic Licens	e • vCenter License	
Generate License	e • vCenter License  192.168.2.7  vdc@vsphere.local  Request	50 50 50
Generate License Generate License Step 3: Upload Lice	e vCenter License	



11. Click the Generate License Request button

A message will appear which explains the need to obtain a license activation key for the application. Click OK and wait for the License Request File to be automatically downloaded to the laptop/PC and it can be found in the Downloads folder.

EIT • N VPM Essential	See 1			Logout
😰 Initialization	Initialization			
	Step 1: Set Parameters			
	IP	10.10.10.198	~	
	Host URL	vr Information	×	
	Timezone	(C After the initialization is successfully o	ompleted, a license request will	
	Current Date Time	be downloaded to your PC. Please sub support to obtain a license file. After the license file onto the server via the this web page or visiting http://10.10.10.198/ServerAdmin/upl	mit the license request to he license file is received, upload Step-2 license-upload section on oadLicense via a web browser.	
	Submit		OK	
	Step 2: Upload License			
	Upload License File:		select File Upload License	

- 12. Send the License Request File to the support team. The Support team will generate a License Activation File which can be used for the application server.
- 13. When the License Activation File has been received, use Step 2 of the Initialization web page on Server Admin to upload the license file. Use the Select File button to choose the License Activation File. Click Upload License to apply the License Activation File to the server.
- 14. The license will be applied to the server. Click OK to close the message window.

E:T.N VPM Essential			Logout
😰 Initialization	Initialization		
	Step 1: Set Parameters	s	
	IP	10.10.10.198 ~	
	Host URL	Information ×	
	Timezone	(c It may take a few minutes for the license uploading process to finish.	
	Current Date Time	Please wait. This web page will be automatically re-directed to the application login page if the license is successfully installed.	
	Submit	ОК	
	Step 2: Upload License		
	Upload License File:	348485C9A895049A0E9E5A6FD133C828979: Select File Upload License	



15. The application of the license will require a reboot of the server and a full startup of the application and database processes. This process, depending on the speed of the server, can take up to 15 minutes to complete. A status message will indicate the license is being applied to the server.

FIT • N VPM Essential			Logout
👺 Initialization	Initialization		
	Step 1: Set Parameter	8	
	IP	10.10.10.198	
	Host URL	vpmess-4198.opi.zone	
	Timezone	(GMT-05:00) Eastern Time (US and Canada) 🗸	
	Current Date Time	01/22/2020 09 ~ : 37 ~ (HH:MM)	
	Submit		
	Step 2: Upload License		
	Upload License File:	348485C9A8950 Select File Upload License (Uploading, please wait.)	

16. If the license is applied successfully, the browser session will be forwarded to the application login page. User will be presented the login page for the application.

Login with user = admin and password = Monit@r#1 which is the default user for a new installation.

a. The following error message will be received if the startup process fails. The most common reason for this issue is related to resolving the specified URL to the IP Address of the server. Please ensure the DNS system is properly configured with the URL so the initialization process is able to complete the system startup processed.

