

VidyoDashboard Installation Guide



Product Version 1.0 Document Version 1.0-B

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1. Overview

VidyoDashboard version 1.0 is a free software option providing VidyoConferencing[™] (version 2.2.1 and later) system administrators with key information to better monitor system usage and generate usage reports. It provides dynamic online graphic display of license consumption and server utilization, as well as filterable and exportable tables of Call Detail Records. The software is available as a VMware Virtual Machine.

Note: VidyoDashboard 1.0 is not compatible with the VidyoPortal Hot Standby software option. Customers who use the Hot Standby software option for VidyoPortal should not use VidyoDashboard 1.0.

ABOUT THIS GUIDE

This guide is intended for anyone who is installing VidyoDashboard (typically a Super Admin of the VidyoConferencing[™] system).

If you want information about how to use VidyoDashboard, refer to the VidyoDashboard User Guide.

PREREQUISITES

- Port TCP 3306 must be open between the VidyoDashboard server and the VidyoPortal™.
- You must have one of the following Hypervisors:
 - ESXi Server v5.o.o:
 - Must be compliant with the VMware qualified hardware list (for example: http://www.vmware.com/resources/compatibility/search.php).
 - Must be an Intel-based server with available Virtual Machine provisioning requirements listed below and must support Intel Nehalem architecture, with AES-NI and hyper-threading enabled.
 - VMware Player/Workstation v5.0.0 or greater (with available Virtual Machine provisioning requirements listed on the following table).
 - Another comparable Hypervisor (with available Virtual Machine provisioning requirements listed on the following table).
- Virtual Machine provisioning requirements:

	Minimum	Recommended	Notes
CPU	Single 2.4GHz or better	Dual core or better, 1.7 GHz per core or better	OVA is set for 2 cores; if you are using a single core, the virtual machine settings should be adjusted accordingly after deployment.
RAM	2GB	4GB	OVA is set for 4GB RAM; if you are using less, the virtual machine settings should be adjusted

	Minimum	Recommended	Notes
			accordingly after deployment.
Storage Space	10GB of free hard drive space	50GB of free hard drive space	OVA is set for 50GB max; with Thin deployment, the virtual machine starts at around 3 GB and adjusts up from there. The virtual machine settings can be adjusted higher or lower if needed depending on the size of the CDR database.

2.Installing VidyoDashboard

VidyoDashboard is shipped as a VMware OVA file which includes Ubuntu 12.04 with VidyoDashboard predeployed. You just need to configure the application as described in this chapter.

INSTALLING THE OVA FOR VMWARE ESXI

To install the OVA for VMware ESXi:

- 1. Open the vSphere client.
- 2. Select **Deploy OVF Template** from the File menu.



The Source page of the Deploy OVF Template installation wizard appears.



3. Browse to the location of the OVA file and click Next.

The Name and Location page of the Deploy OVF Template installation wizard appears.

Deploy OVF Template		
Name and Location Specify a name and loca	tion for the deployed template	
Source	Name:	
Name and Location	VidyoDashboard_082612A	
Disk Format Network Mapping Ready to Complete	The name can contain up to 80 characters and it must be unique within the inventory folder.	
Help	< Back Next >	Cancel

4. Enter a name for the OVA deployment and click **Next**.

The Disk Format page of the Deploy OVF Template installation wizard appears.

🕜 Deploy OVF Template				
Disk Format In which format do you	want to store the virtual disks?			
Source OVF: Template. Datalls Name and Location Disk Format Network Mapping Ready to Complete	Datastore: Available space (GB): C Thick Provision Lazy 3 C Thick Provision Eager C Thin Provision	datastore1 1713.7 Reroed Zeroed		
Help			< Back Next	> Cancel

5. Select the Thin Provision radio button and click Next.

Deploy OVF Template			
Network Mapping What networks should th	ne deployed template use?		
Source OVF Template Details Name and Location	Map the networks used in this OV	F template to networks in your inventory	
Disk Format	Source Networks	Destination Networks	
etwork Mapping	6 Network	192 Private Network	
	Description: The 6 Network network		
Help		< Back Next >	Cancel

The Network Mapping page of the Deploy OVF Template installation wizard appears.

6. Select the appropriate VM network.

The Ready to Complete page of the Deploy OVF Template installation wizard appears.

🖉 Deploy OVF Template			_ 🗆 🔀
Ready to Complete Are these the options you	u want to use?		
Source OVF Template Details Name and Location Disk Format Network Mapping Ready to Complete	When you click Finish, the deployment Deployment settings: OVF File: Download size: Size on disk: Name: HostyCluster: Detastore: Detastore: Disk provisioning: Network Mapping: Power on after deployment	ant task will be started. C:(OVA)VidyoDashboard_082612A.ova 963.9 MB 2.3 GB VidyoDashboard_082612A n)1-pdev-esx1.vidyo.com datastore1 Thin Provision "6 Network" to "192 Private Network"	
Help		< Back Finish	Cancel

IMPORTANT: Do NOT select the **Power on after deployment** checkbox because you must modify some settings first.

7. Click Finish.

The deployment begins.

Note: The deployment may take some time to run depending on the network between the OVA location and the ESXi server.

🕑 45% Deploying VidyoDashboard_082612A	
Deploying VidyoDashboard_082612A	
Deploying disk 1 of 1	
1 minute and 49 seconds remaining	
Close this dialog when completed	Cancel

8. When your deployment finishes, right-click your virtual machine and select **Edit Settings** to access the Virtual Machine Properties.

Indexes	ter nji-pdev-eski.vidyok Geting Started Sum Rover	om VMware ESX, 5.0.0, 469512 any Virtual Machines, Resource Abacation, Ref	omanne Confoundern, ScottBerris Grouph, Events, Perm close tab (1
WidyoPc WidyoPc WidyoPc WidyoRe	Snapshot Open Console	 virtual machines. Hosts provide the virtual machines. Hosts provide the virces that virtual machines use and access to storage and network 	Virtual Machines
WidyoRc WidyoRc	Add Permission OpteP	machine to a host by creating a new	Hoat
🎒 Win7	Report Performance	virtual appliance.	Test I
	Rename	d a virtual machine is to deploy a tual appliance is a pre-built virtual	
	Open in New Window Otrl+Alt+N Remove from Inventory Delete from Disk	ting system and software already machine will need an operating such as Windows or Linux.	
	Basic Tasks 성 Deploy from 급 Create a new	VA Marketplace w virtual machine	viphere Clant Explore Further Learn about vSphere Manage multiple hosts, eliminate downline, load balance jow dataenter with Weblen, and more
			E Evaluate vSphere
ecent Tasks			Evaluate vSphere Nere

a. Select Specify custom settings.

2	/idvoDashboard 082612A -	Virtual Machine Propertie	s – – – – – – – – – – – – – – – – – – –
Har	dware Options Resources		Virtual Machine Version: 8
	Show All Devices	Add Remove	Displays and video memory
Ha	rdware	Summary	- Hate detect settings
	Memory	4096 MB	 Specify custom settings:
	CPUs	2	Number of displayer
	Video card (edited)	Video card	
	VIVILI DEVICE	Kestricted	Maximum number of displays the video card
§	Hard disk 1	Virtual Disk	(missipport)
	CD/DVD drive 1	CD-ROM 1	Total video memory: 16.4 MB
	Network adapter 1	192 Private Network	The memory reserved for the video card.
	Network adapter 2	192 Private Network	It must be between 1.18 MB and 128 MB.
			Video Memory Calculator
			3D graphics
			Enable 3D support
_			
	Halo		OK Cancel
—	Ticip		Calicer

b. Set the Total video memory value to 16.4 MB.

This video memory value setting helps avoid event errors.

- C. Click OK.
- 9. Select Edit Settings to access the Virtual Machine Properties again.

ar maenine rroperties	
	Virtual Machine Version: 8
Add Remove	Device Status
Summary 4096 MB 2 Video card Restricted LSI Logic Parallel Virtual Disk 25 Addition 192 Private Network	Adapter Type Current adapter: E1000 Adapter S OUTENT Adapter: E1000 MAC Address OUTENT Address OUTENT Address OUTENT Address OUTENT Address OUTENT Address OUTENT Address Not supported Network Connection Network label:
	192 Private Network
	Add Remove



a. Select the appropriate Network Connection for your Virtual Machine's IP and network from the Network adapters listed on the left.

Typically, **Network adapter 1** is selected; however, it depends on your Hypervisor setup.

- b. Select the appropriate **Network label** under Network Connection.
- C. Click OK.
- **10.** Power on the VidyoDashboard virtual machine.

Wait for the VidyoDashboard virtual machine to power up before continuing with the next step.

11. Select the Console tab to access the VidyoDashboard server console.

VidyoDashboard_082612A
Getting Started Summary Resource Allocation Performance Events Console Permissions
Ubuntu 12.04.1 LTS vidyodashboard tty1
vidyodashboard login: admin Password: _

12. Log in to the Shell Admin menu.

The default credentials for the Shell Admin menu deployed by the OVA package are:

- User Name: admin
- Password: password
- **13.** Enter the current default password at the first prompt, and then enter your secure password.

When selecting a new password, follow these guidelines:

- The password should not be based on the dictionary.
- The password should not be too similar to the old password.

The new password should be at least three characters different from the old password.

The password should not be too simple or too short.

The algorithm here is a point system to satisfy the minimum password length (the default length is eight characters). The password gets extra points if it contains a number, an upper case character, a lower case character, or a special character. Each point is equivalent to one character.

The password should not be a case change only of the old password or should not be the reverse of the old password.



The System Administrator Console Main menu appears.

VidyoDashboard_082612A	
Getting Started Summary Resource Allocation Performance Events Console Permissions	
System Administrator Console [VDB_OVA_082612A]	
Local Time: Sup Aug 26 18:21:20 CMT 2012	
Universal Time: Sun Aug 26 18:21:20 UTC 2012	
1. Configure IP Address	
2. Configure DNS Nameserver	
3. Configure NIP lime Servers	
4. Configure The zone	
S. Configure Einernet options	
7 Display IF Huress	
O Nicely HIF TIME Servers	
10 Display ADD Tablo	
11 Ping IItilitu	
12. Traceroute Itilitu	
13. Set 'admin' nassword	
14. Reboot system	
15. Shutdown System	
x. Exit System Administrator Console	
Selection: _	
Selection: _	

For more information about the System Administrator Console menu, refer to the *VidyoConferencing Administrator Guide*.

CONFIGURING THE NETWORK SETTINGS

Once you have accessed the System Administrator Console Main menu, you must configure the network settings for the server.

To configure the network settings:

1. Select 1. Configure IP Address.

2. Enter the server IP address, subnet mask, default gateway address, hostname, domain name, and Fully Qualified Domain Name (FQDN), and press Enter after entering each setting.

VidyoDashboard_082612A	
Getting Started Summary Resource Allocation Performance	Events Console Permissions
Network Interface:	ЕТНО
IP Address:	192.168.1.120
Subnet Mask:	255.255.255.0
Default Gateway:	192.168.1.1
Hostname:	vidvodashboard
Domain Name:	yourcompany.com
FQDN :	vidyodashboard.yourcompany.com
Please verify your c	hanges.
Make the settings sh	owm`above your new network settings? (y/n)_

3. Select 2. Configure DNS Nameserver.

VidyoDashboard_082612A
Getting Started Summary Resource Allocation Performance Events Console Permissions
Primary DNS Server for Host: 192.168.1.1
Secondary DNS Server for Host: 192.168.1.2
Would you like to change the current settings ? [y/n]y
Primary DNS Server for Host (192.168.1.1): 192.168.1.1
Secondary DNS Server for Host (192.168.1.2): 192.168.1.2
Confirm changes ? [y/n]_

- 4. Enter the primary and secondary DNS server addresses, and press Enter after entering each setting.
- 5. Type **Y** to confirm your changes.

For more information about the System Administrator Console menu, refer to the *VidyoConferencing Administrator Guide*.

CONFIGURING THE NETWORK TIME PROTOCOL (NTP) SERVER AND TIME ZONES

Now you must configure the NTP time servers, and then set the time zone on your virtual machine so it's synchronized with your connected VidyoPortal.

IMPORTANT: Setting the time zone on your virtual machine so it's synchronized with the physical location of your connected VidyoPortal ensures correct time attributes on call records when synchronizing with the VidyoPortal CDR database.

To configure the time NTP time servers:

- 1. Select 3. Configure NTP Time Servers.
- 2. If you previously specified an NTP server, type Y to confirm you want to change the current settings.
- 3. Enter the IP of your preferred NTP time server.
- 4. Type Y to confirm your changes.

To configure your virtual machine's time zone:

1. Select 4. Configure Time Zone.

The package configuration screen is shown.

Pac	ckage configuration	
á á á á	aááááááááááááááááááááááááááááááááááááá	ââââââ â of â â â
â	â Geographic area: â	â â
â	â Africa â â <mark>America</mark> â®	â
â	Antarctica â	â
a â	a Australia a â Arctic â	a â
â	â Asia â	â
â	â Europe â	â
â	â 2	â
â	â <0k> <cancel></cancel>	â
â	1 8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.8.	â ââââââ

2. Select the Geographic area where your connected VidyoPortal server is located using the up and down arrow keys.

Note: The following steps use a Geographic area of America and Time zone of New York for demonstrative purposes.

3. With the desired Geographic area highlighted, press the right arrow key.

The focus moves to the Ok selection.

4. Press Enter.

âââââââââââââââââââââââââââââââââââââââ	ââââââ⤠Configuring tz	data âââââââââââââââââ	âââââââ
â Please select th	e city or region corres	ponding to your time	zone.
â			
â Time zone:			
â			
â	Metlakatla	â	
â	Mexico City	â	
â	Miquelon	â	
â	Moncton	â	
â	Monterrey	â	
â	Montevideo	â®	
â	Montreal	â	
â	Montserrat	â	
â	Nassau	â	
â	New York	â	
â			
â			
â	<0k>	<cancel></cancel>	
â			
*****************	***********************	*********************	*******

A menu containing Time zones based on your previous Geographic area selection is shown.

5. Select the Time zone in which your connected VidyoPortal server is located using the up and down arrow keys.

Note: The following steps use a Geographic area of America and Time zone of New York for demonstrative purposes.

6. With the desired Time zone highlighted, press the right arrow key.

The focus moves to the Ok selection.

- 7. Press Enter.
- 8. You are then shown two different screens based on whether or not your selections happen to match your current settings.
 - a. If your selections match your current settings, you'll be asked to press a key to continue.



b. If your selections change your current Timezone settings, a warning is shown and you must reboot your server for the change to take effect.

```
Current default time zone: 'America/New_York'
Local time is now: Wed Feb 20 17:29:00 EST 2013.
Universal Time is now: Wed Feb 20 22:29:00 UTC 2013.
Warning!!! Timezone has been changed...
Please make sure to reboot server for all changes to take effect...
Press Enter to Continue...
```

C. Press Enter.

CONFIGURING THE VIDYODASHBOARD APPLICATION

To configure the VidyoDashboard application:

- 1. Navigate to http://forware.com/f
- 2. In the "Local database configuration" section of the Configuration Details page:
 - a. Leave the defaults as they are in these fields:
 - Database type: PostgreSQL
 - Host: localhost
 - Port: 5432
 - b. The Database Name field is pre-filled, but you can change it.

Avoid using special characters in this field.

- C. Leave the defaults in the remaining fields:
 - Username: postgres
 - Password: postgres

The application pulls the data from the CDR database and stores it in the local database.

IMPORTANT: Do not change your VidyoPortal hostname after completing this VidyoDashboard configuration procedure.

- 3. In the "CDR database configuration" section of the Configuration Details page:
 - a. Enter the VidyoPortal FQDN or IP address in the Host field.

Vidyo Personal Telepresence		*
	Configuration Details	
	Local database configuration Database type : PostgreSQL Host : localhost Port : 5432 Database Name : vidyodashboard Username : postgres (the user should have create permissions) Password : ••••••	III
	CDR database access Host : vcportal yourcompany.com Username : cdraccess Password : ••••••• Configure Reset	

b. Enter the CDR access username and password in the Username and Password fields.

This must match what is configured for CDR access on the VidyoPortal as set on the Super Admin Pages > Settings > Maintenance > CDR Access page (shown in the following illustration).

Note: VidyoDashboard only supports CDR v2. You must use CDR v2 on both your VidyoPortal and select the CDR v2 format on this VidyoDesktop screen.

Diatform Network Settings	Maintananaa	
System License	Wathtenance (VidyoConferencing-2.2.0(138A).DBv216]	
Unland Enderint Coffman	Database System Upgrade 🕖 System Restart Security CDR Access Audit Logs	
upioad Endpoint Software	CDR collection: 🔽 Enabled	
Maintenance	CDR format: @ v2	
Super Account	Allow CDB Database Assess Centrel	
Customization	Allow CDR Database Access Collution	
Inter-Portal Communication	Username: cdraccess	
VidyoMobile Access	Access Password:	
	IP or Hostname: 192.168.1.120	
	Allow Delete: 🔄 Enabled	
	CDR Export/Purge	
	Save	

4. Review the information you entered on the Configuration Details page, and then click the **Configure** button.

VidyoDashboard validates the information you entered, creates the required tables in your local database, and creates configuration files.

Configuration Info	
Configuration successful! Local database configuration	ſ
Database type : postgresql	
Host:localhost	
Port:5432	
Database Name : vidyodashboard	
Username : postgres	
Password :*******	
CDR database access	
Host:vcportal.yourcompany.com	
Username : cdraccess	
Password :*******	
Vidyo dashboard application has been configured successfully, click 'Finish' to start synchronizing the local database with CDR database.	
Finish	
About Us Support Term of Services © 2012 Vidyo Inc. All rights reserved.	

5. Once the file is copied, click **Finish**.

VidyoDashboard starts synchronizing the local database with the CDR database.

Note: The synchronization may take some time to run depending on the size of the CDR database and the network between the VidyoDashboard server and the VidyoPortal.

After the synchronization is done, the VidyoDashboard Login screen appears.

6. Log in and test all scenarios.

Use these credentials to log in:

- User Name: admin
- Password: password
- 7. Go to the Settings > Account page and do the following:

a. Change the default login credentials.

Vidyo	10			Welcome ac	lmin Logo
		License Consumption	Server Utilization	Call Records	Settings
CDR Access	Edit Account Info				
Account VidyoRouter		Username : admin			
			word		
		Password : ••••••			
		Verify Password :			
		Save	Cancel		

b. Click the Save button.

For more information about entering or changing information on the Edit Account Info page, refer to the *VidyoDashboard User Guide*.

- 8. Go to the Settings > CDR Access page and do the following:
 - a. In the Automatic Data Retrieval Interval field, select the time interval at which you want to retrieve the call records from the CDR database.

You can select 5 minutes, 15 minutes, 1 hour, or 24 hours. The default is 15 minutes.

Vidyo	8820	License Consumption	Server Utilization	Welcome ad	dmin Logo Settings
CDR Access Account VidyoRouter	CDR Access Info	Username : cdraccess Access Password : •••••••• IP or Hostname : vcportal your	company.com		
		Automatic Data Retrievel Interva Last Data & Time of Retrievel : 201 Retrieve Nov	15 minutes • 5 minutes 15 minutes 1 hour 24 hours Cancel		

b. Click the Save button.

For more information about entering or changing information on the CDR Access Info page, refer to the *VidyoDashboard User Guide*.

9. Take snapshots via the vSphere client.

For more information about working with snapshots and VMware, refer to the VMware documentation.

INSTALLING OVA FOR VMWARE PLAYER/WORKSTATION

To run the VidyoDashboard OVA on a Windows PC, a Linux PC, or another PC, you may run the virtual machine in a player such as the VMware Player or Workstation.

To install OVA for VMware Player/Workstation:

1. Install the VMware Player/Workstation and launch it.



2. Select Open a Virtual Machine.



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3. Browse to the OVA file and click the **Import** button.

Once the import is complete, the VidyoDashboard OVA virtual machine is listed.

🧐 VMware Player (Non-commercial use only)	_ 🗆 🛛
Player 🗸 🕨 🛃 🗐 🍕	
Image: Sector of the sector	12A machine

4. Select **Play virtual machine** to launch the virtual machine.

Once the virtual machine is launched, you are prompted to log in.

5. Access the System Administrator Console and log in as described in steps 11 through 13 (which begin on page 10).



6. Set up the virtual machine network as described in "Configuring the Network Settings" on page 11.

IMPORTANT: If you are prompted to install newer VMware Tools, select **Never Remind Me**. You are unable to install the newer tools because the VidyoDashboard virtual machine is a closed appliance.

🥞 VidyoDashboard_082612A - VMware Player (Non-commercial use only) 📃	
Player 🕶 🔛 📼 📺 🍙	*
System Administrator Console [VDB_OVA_082612A]	
Local Time: Sun Aug 26 21:52:49 GMT 2012 Universal Time: Sun Aug 26 21:52:49 UTC 2012	
 Configure IP Address Configure DNS Nameserver Configure NTP Time Servers Configure Time Zone Configure Ethernet Options Display IP Address Display IP Address Display DNS Nameserver Query NTP Time Servers Display Kernel IP Routing Table Display ARP Table Ping Utility Traceroute Utility Set 'admin' password Reboot system Shutdown System X. Exit System Administrator Console 	
Selection: _	
The installed version of VMware Tools is not up to date. Log in to the guest Operating system and click "Update Tools."	mind Me

For more information about configuring the network access and other information about VMware, refer to the VMware Player or the VMware Workstation documentation.