



vAnalytics™ Server and  
Port Requirements  
for  
On-Premise Deployment (3.4)

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## On-Premise Deployment Server Requirements

Server	Function	Physical/ Virtual	Operating System	Software that MUST be pre-installed before deployment starts	Core/ CPU	Min Speed	Min Memory	Disk Space
<b>Apps</b>	<b>APPS</b>	Virtual	Windows Server 2012 R2, 2012, or 2008 R2*	Web Server IIS 7.0 or above and all sub features enabled  .NET Framework 4.5 or 4.6  Telnet Client enabled	4	2.4Ghz	16GB	C: 160 GB
<b>ADR</b>	<b>ADR</b>	Virtual	Windows Server 2012 R2, 2012, or 2008 R2*	Web Server IIS 7.0 or above and all sub features enabled  .NET Framework 4.5 or 4.6  Telnet Client enabled	2	2Ghz	16GB	C: 200 GB
<b>ETL</b>	<b>ETL</b>	Virtual	Windows Server 2012 R2, 2012, or 2008 R2*	MS SQL Server 2012 Standard*, or MS SQL Server 2012 Enterprise* - (Required for High Availability)  <i>*Vyopta does not include the software. This will need to be provided by the customer.</i>	4	2.4Ghz	32GB	C: 80 GB D: (Data) 1 TB E: (Logs) 500 GB
<b>Reporting</b>	<b>Reporting</b>	Virtual	Windows Server 2012 R2, 2012, or 2008 R2*	Web Server IIS 7.0 or above and all sub features enabled  .NET Framework 4.5 or 4.6  Telnet Client enabled	4	2.4Ghz	16GB	C: 160 GB



## On-Premise Server Port Requirements

Server	Ports to be Opened	Notes
<b>All Four Servers</b>	TCP 80 TCP 443	These ports are used for communication between all four of the On-Premise servers and should be open.
<b>Apps</b>	No Additional Ports	
<b>ADR</b>	No Additional Ports	
<b>ETL</b>	TCP 1433	This port should be open for the Apps, ADR, and Reporting Servers to 'talk' to ETL.
<b>Reporting</b>	TCP/UDP 27017	Open to ETL Server/Mongo DB



## User Access/Permission Requirements

Server	Requirements
<b>Apps</b>	<ul style="list-style-type: none"><li>• User with local admin permissions on the server</li><li>• Able to run Powershell scripts as admin</li></ul>
<b>ADR</b>	<ul style="list-style-type: none"><li>• User with local admin permissions on the server</li><li>• Able to run Powershell scripts as admin</li></ul>
<b>ETL</b>	<ul style="list-style-type: none"><li>• User with local admin permissions on the server</li><li>• SysAdmin permissions for the SQL user</li><li>• Able to run Powershell scripts as admin</li></ul>
<b>Reporting</b>	<ul style="list-style-type: none"><li>• User with local admin permissions on the server</li><li>• Able to run Powershell scripts as admin</li></ul>



## On-Premise Infrastructure Account & Port Requirements

Infrastructure Type	Account Type	Account Requirements	TCP Port Number	Transport Layer	Traffic Origin	Traffic Destination	Allow Return Traffic	Device Notes
<b>Local Video Infrastructure</b>								
Cisco VCS-C / VCS-E Cisco Expressway-E / C	LOCAL	Read-only Admin with API access	443	TCP	vAnalytics Collector	VCS	Yes	All VCS cluster devices must be added.
Cisco TelePresence Server	LOCAL	User with API Access	443	TCP	vAnalytics Collector	TP Server	Yes	
Cisco TelePresence Server	LOCAL	User with API Access	22280	TCP	TP Server	vAnalytics Data Collector	Yes	
Cisco MCU	LOCAL	Administrator Account	443	TCP	vAnalytics Collector	MCU	Yes	If MCU is in a cluster or stacked environment only add Master MCU.
Cisco ISDN Gateway	LOCAL	Administrator Account	443	TCP	vAnalytics Collector	MCU	Yes	
Cisco Unified Communications Manager API	LOCAL	CUCM Application User with Standard CCM Read-only, AXL User Group, and Standard CTI Enabled access	443 8443 & 2748	TCP	vAnalytics Collector	CUCM	Yes	Only CUCM publishers need to be added.
Cisco Unified Communications Manager FTP/SFTP	LOCAL	VYOPTA embedded account	21* or 22	TCP	CUCM - Publisher	vAnalytics Collector	Yes	FTP requires that passive FTP be open and allowed from CUCM to the Vyopta data collector. If SFTP is selected, then only port 22 must be open. SFTP requires using a third party SFTP client on the Vyopta Data Collector.
Cisco TelePresence Manager TMS & TMSPE	SQL DBA	Read-only DB Account with access to the TMSNG and TMSPE databases (Windows AD login not supported)	1433*	TCP	vAnalytics Collector	TMS	Yes	1433 is typically the default port. However, large enterprise SQL environments typically requires the SQL DBA to identify the actual port in use.
Cisco TelePresence Content Server API	LOCAL	TMS API Account password for TCS	443	TCP	vAnalytics Collector	TCS	Yes	Must use the API password for the TCS which must be the same password that TMS uses.



## On-Premise Infrastructure Account & Port Requirements (cont.)

Infrastructure Type	Account Type	Account Requirements	TCP Port Number	Transport Layer	Traffic Origin	Traffic Destination	Allow Return Traffic	Device Notes
<b>Local Video Infrastructure (cont.)</b>								
Cisco Meeting Server CMS) - API	LOCAL	User Account with API access	443*	TCP	vAnalytics Collector	CMS (Acano) Server	Yes	Port 443 is the default port, however the management port is configurable within Acano and maybe a different TCP port such as 445.
CMS (Acano) - CDR Forward	N/A	N/A	22280	TCP	CMS (Acano) Server	vAnalytics Collector	--	Acano pushed CDR data to the Data Collector on TCP port 22280
Acano Manager	N/A	N/A	5566	TCP	vAnalytics Collector	Acano Manager	Yes	The Vyopta Data Collector can be configured to forward CDR data sent from Acano relaying back to Acano Manager on port 5566 if Acano version is 1.7 or below.
Pexip Infinity Management Node	LOCAL	Admin Account	443	TCP	vAnalytics Collector	Pexip	Yes	Only requires PEXIP Infinity Management Node for Historical and Real Time data collection
Polycom DMA	LOCAL	Admin Account	8443	TCP	vAnalytics Collector	Polycom	Yes	DMA requires Polycom RealPresence Platform API license
Polycom RMX	LOCAL	Admin Account	80 or 443	TCP	vAnalytics Collector	Polycom	Yes	
VidyoPortal - API	LOCAL	Admin Account	443	TCP	vAnalytics Collector	VidyoPortal	Yes	
Vidyo - Database	LOCAL	Admin Account	3306	TCP	vAnalytics Collector	Vidyo	Yes	
WebEx	LOCAL	WebEx Read-only Admin account	443	TCP	vAnalytics Collector	WebEx Address (Local or Cloud)	Yes	
Microsoft Skype for Business	SQL DBA	Read-only DB Account with access to the LcsCDR and QoEMetrics databases (Windows AD login not supported)	1433*	TCP	vAnalytics Collector	Skype for Business	Yes	1433 is typically the default port. However, large enterprise SQL environments typically requires the SQL DBA to identify the actual port in use.