



DEPLOYMENT GUIDE

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Polycom® RealAccess™

On-Premises Edition



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6001 America Center Drive
San Jose, CA 95002
USA

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Contents

About This Guide	5
RealAccess Service Delivery Platform Editions	5
Audience, Purpose and Required Skills	5
Get Help	5
Polycom and Partner Resources	5
The Polycom Community	5
Product Overview	6
Supported Platform Environments	6
On-Premises Edition Architecture	8
Unsupported Configurations	9
Preparing for System Deployment	10
RealAccess Hardware and Software Requirements	10
Operating System Requirements	10
Browser Requirements	10
Virtual Machine Server Requirements	11
VMware	11
Hyper-V	11
On-Premises Server Requirements	12
Utility Server	12
Database (SQL) Server	13
Web Server	13
Firewall Rules Checklist	14
Complete the Setup Worksheets	16
Onboarding	19
System Installation	20
Download the Software	20
Install the Software	21
Configuring the RealAccess, On-Premises Edition Servers	22
Configure the Utility Server	22

Configure the Database (SQL) Server	23
Configure the Web Server	23
Configuring the RealAccess, On-Premises Edition Portal Agent	24
Log In and License RealAccess	24
Configure Customer Information	25
Configure Customer Domain	25
Configure Email Settings	26
Configure RealPresence Platform Components	26
Test Connections	26

About This Guide

This guide provides the deployment information that you need to deploy the On-Premises Edition of the Polycom® RealAccess™ service delivery platform. Once you've completed the deployment, see the *Polycom RealAccess On-Premises Edition Operations Guide* for additional configuration and customization tasks you can perform.

RealAccess Service Delivery Platform Editions

The RealAccess service delivery platform is available in a Cloud Edition and an On-Premises Edition. The functionality described in this document applies to only the On-Premises Edition; for information on deploying the Cloud Edition, see the *Polycom RealAccess Cloud Edition Deployment Guide*.

Audience, Purpose and Required Skills

This document is written for a technical audience. You must know or have the following:

- Basic computer and network system administration skills
- Virtual machine (VM) concepts
- Network configuration, including IP addressing, subnets, gateways, domains, DNS, time servers, and possibly network routing

If necessary, obtain the assistance of the appropriate IT or network administration personnel before proceeding.

Get Help

For more information about installing, configuring, and administering Polycom products, refer to **Documents and Downloads** at [Polycom Support](#).

Polycom and Partner Resources

To find all Polycom partner solutions, see [Strategic Global Partner Solutions](#).

The Polycom Community

The [Polycom Community](#) gives you access to the latest developer and support information. Participate in discussion forums to share ideas and solve problems with your colleagues. To register with the Polycom Community, simply create a Polycom online account. When logged in, you can access Polycom support personnel and participate in developer and support forums to find the latest information on hardware, software, and partner solutions topics.

Product Overview

Polycom RealAccess, On-Premises Edition brings the RealAccess service delivery platform to customers who cannot use the cloud deployment model due to their organization's compliance, governance, or security policies. Some RealAccess, On-Premise Edition features have additional security measures designed to protect customer data collected from their Polycom® RealPresence® Platform deployment.



Customers who deploy the RealAccess, On-Premise Edition must ensure that it is never accessible to the Internet.

The RealAccess, On-Premises Edition features are summarized in the following table.

RealAccess, On-Premises Edition Features

Feature	Description
Edition Features	Identical to the Cloud Edition except for administration features
Configuration Options	On-premises only
Onboarding Options	Fee-based only
Video Meeting Room (VMR) Subscription Duration	30 days
SSO Integration Options	Fee-based only
Installation Components	Three component to install: <ul style="list-style-type: none">• Utility Processing server• Database server• Web server

Supported Platform Environments

The RealAccess service delivery platform supports environments with Polycom® RealPresence® DMA® and Polycom® RealPresence® Resource Manager with single, dual, and grouped systems.

RealPresence DMA:

- A single RealPresence DMA server
- Dual-node local redundant RealPresence DMA servers

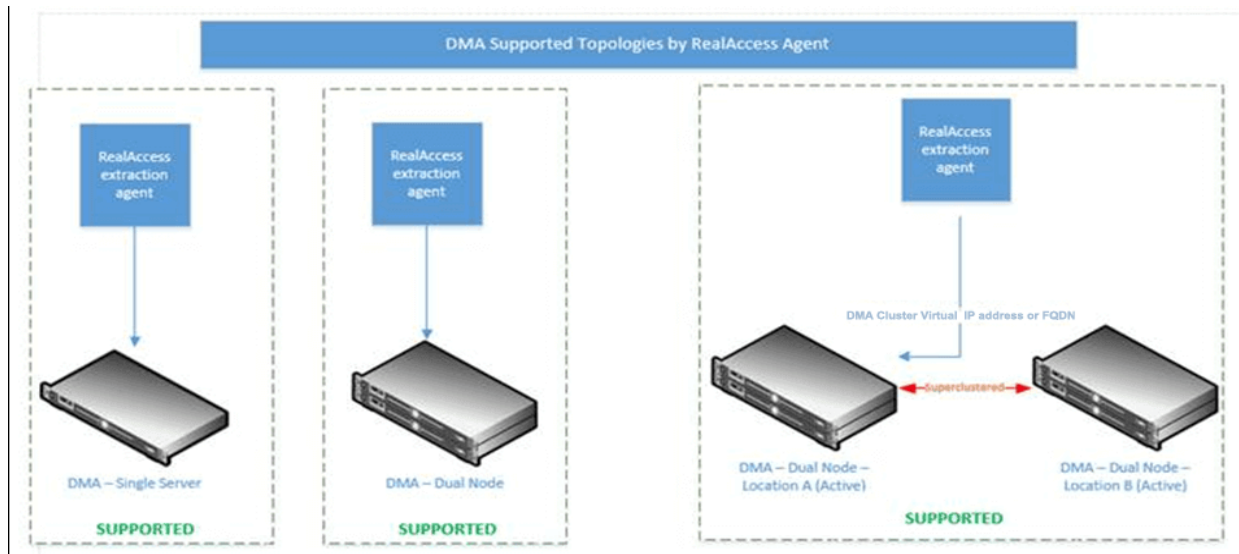
- Super-clustered RealPresence DMA systems

RealPresence Resource Manager:

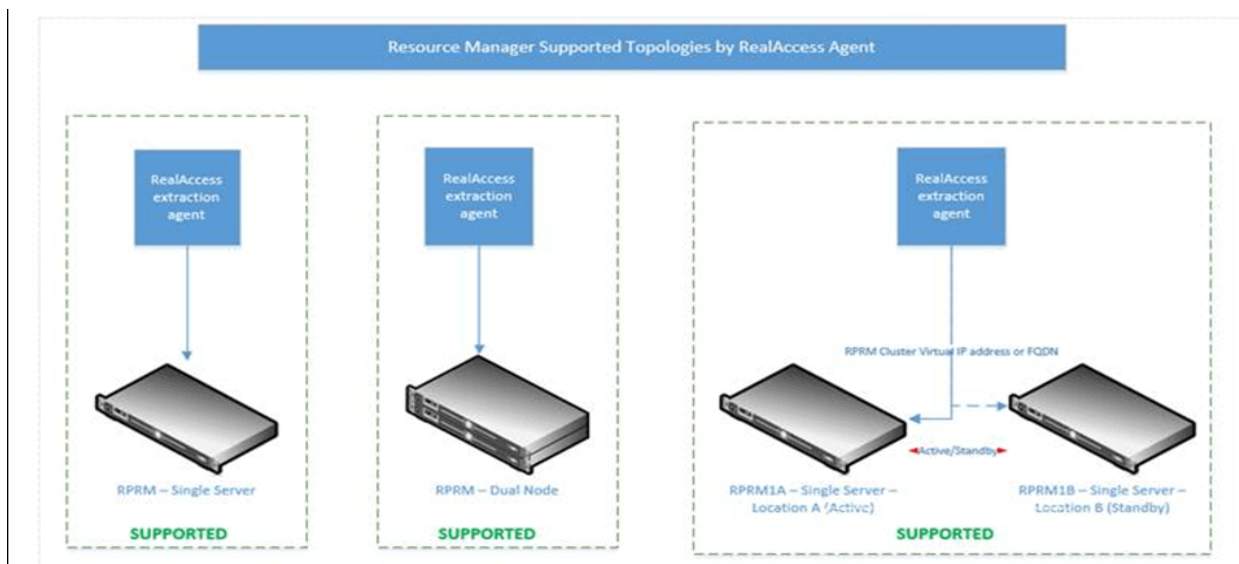
- A single RealPresence Resource Manager server
- Dual-node local redundant RealPresence Resource Manager servers
- Geographically separate RealPresence Resource Manager servers if configured in an active/standby configuration

The following diagrams provide an overview of the environments supported by the RealAccess service delivery platform.

RealAccess supported environments - RealPresence DMA



RealAccess supported environments - RealPresence Resource Manager



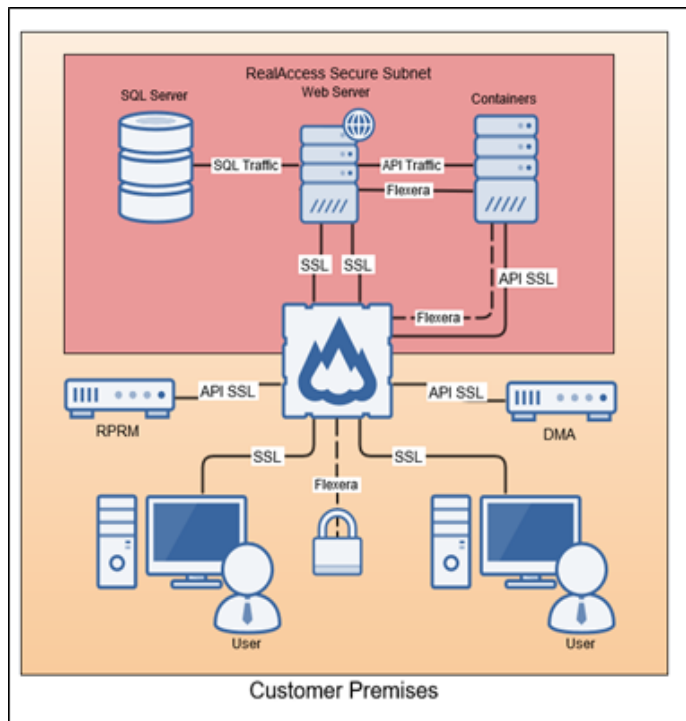
On-Premises Edition Architecture

The RealAccess, On-Premises Edition service delivery platform consists of three primary components with several secondary components running on the container system:

- **Database (SQL) server** Data storage and retrieval
- **Web server** Wraps the SQL data and displays it in a browser and provides API connections from the utility processors that query Polycom devices
- **Container host** Utility processing, including these secondary components:
 - **ActiveMQ** Provides the messaging layer to request data from the Polycom devices and serves as a FIFO queue for data processing
 - **Processing utilities** Services the ActiveMQ queue and requests data from Polycom devices
 - **Flexera** License server that runs in a CentOS-based container

The following schematic depicts the RealAccess, On-Premises Edition deployment architecture.

RealAccess, On-Premises Edition architecture



A few things to note:

- The RealAccess, On-Premises Edition service delivery platform resides on the Web server and within the Container.
- The Polycom APIs on the RealPresence DMA and RealPresence Resource Manager systems retrieve the asset and CDR logs/MCU usage information, respectively.
- The Web server provides both API SSL- and HTTPS-based access to the RealAccess Analytics and Video Tutorials.

Unsupported Configurations

Polycom does not support two conditions that can negatively affect the RealAccess service delivery platform performance:

- **Joining the customer's domain:** The RealAccess service delivery platform does not support joining a customer domain. If the customer joins the service delivery platform to a customer domain, Polycom is not responsible for supporting the end result.
- **Installing antivirus software:** The RealAccess service delivery platform does not support installing customer-provided antivirus software. Customers who use antivirus software must install and configure it themselves. Polycom is not responsible for supporting the end result.

Preparing for System Deployment

The RealAccess service delivery platform monitors components of the Polycom RealPresence Platform, which enables standards-based video-conferencing collaboration using hardware and software endpoints from Polycom and other optional vendors. The RealAccess service delivery platform uses a data extraction software agent to provide detailed information about your RealPresence Platform components.

RealAccess Hardware and Software Requirements

This section details the hardware and software requirements and environments needed to deploy the RealAccess service delivery platform. For more information on RealPresence Platform requirements and products tested with the RealAccess service delivery platform, see the *Polycom RealAccess On-Premises Edition Release Notes*.

Operating System Requirements

The following operating systems are used in your RealAccess, On-Premises Edition service delivery platform deployment:

- Windows Server 2012R2
- Linux Ubuntu 14.04
- Microsoft SQL Server 2014
- Container: Docker and Kubernetes

Browser Requirements

Before deploying the RealAccess service delivery platform agent, verify that your browser meets the requirements outlined in the following table.

RealAccess Agent Minimum Browser Requirements

Browser	Version
Microsoft Internet Explorer®	11 (include realaccess.polycom.com in the Trusted sites list)
Mozilla Firefox®	14.0 or higher
Google Chrome™	30.0 or higher
Apple® Safari®	7.0 or higher

Virtual Machine Server Requirements

The RealAccess Agent is an instance operating as a virtual machine. Ensure that you have administrator login credentials to the virtual environment in which the agent is being installed.

The instance must be installed on a server that meets the minimum requirements in one of the supported virtual environments:

- VMware
- Hyper-V

VMware

The following table describes the requirements to deploy your RealAccess service delivery platform in a VMware environment.

RealAccess Portal Agent Minimum Server Requirements per VM Instance

Component	Description
CPU	Each instance must be hosted on a physical CPU with the following clock-speed characteristics: <ul style="list-style-type: none"> • ≥2.0 GHz (Intel Xeon E5 Series or better CPU) • ≥2.5 GHz (Intel Xeon 5500 Series or better CPU) Each instance must also support 64-bit installations.
Virtual Cores	2 virtual cores
RAM	4 GB
Accessible Storage	50 GB
.OVA File	Latest RealAccess agent .ova file, downloaded to your local machine.
One or more ESXi hosts	Each host must be v5.0 or higher and support 64-bit VM installations.
VMware vSphere vCenter Controller	Using a vSphere client, you must be able to access and administer VMware ESXi hosts either directly or via a vCenter host controller.

Hyper-V

The following table describes the requirements to deploy your RealAccess service delivery platform in a Hyper-V environment.

RealAccess Portal Agent Minimum Server Requirements per Hyper-V Instance

Component	Description
CPU	Each instance must be hosted on a physical CPU with the following clock-speed characteristics: <ul style="list-style-type: none"> • ≥2.0 GHz (Intel Xeon E5 Series or better CPU) • ≥2.5 GHz (Intel Xeon 5500 Series or better CPU) Each instance must also support 64-bit installations.
Virtual Cores	2 virtual cores
RAM	4 GB
Accessible Storage	50 GB
.VHD File	Latest RealAccess software Agent .vhd file, downloaded to your local machine.
One or more Hyper-V hosts	Each host must support 64-bit VM installations.
Any software client	Access to the host machine.

On-Premises Server Requirements

Three servers comprise the RealAccess, On-Premises Edition service delivery platform: the Utility server, the Database (SQL) server, and the Web server. Each server has its own requirements.

Utility Server

The Utility server provides the container host processing environment and includes the following secondary components:

- **ActiveMQ** provides the messaging layer for RealAccess, On-Premises Edition to request data, and it serves as a FIFO queue for data processing.
- **Processing Utilities** is the service that directly connects to configured devices to request the data that RealAccess, On-Premises Edition uses.
- **Licensing** is the module that runs in a CentOS-based container.

RealAccess, On-Premises Edition Utility Server Requirements

Component	Description
Operating System	Linux (open-source license provided)
Applications	Utility Processes (open-source and/or license provided)
Virtual Cores	4 virtual cores

RealAccess, On-Premises Edition Utility Server Requirements

Component	Description
RAM	8 GB
Accessible Storage	125 GB Note the following recommendations: <ul style="list-style-type: none"> • SSDs are preferred • RAID1 SSD configuration is recommended

Database (SQL) Server

The SQL server stores and returns RealAccess, On-Premises Edition data, including but not limited to pertinent authentication data, graph generation data, and list views.

RealAccess, On-Premises Edition Database (SQL) Server Requirements

Component	Description
Operating System	Windows 2012R2 (license provided)
SQL	SQL Server 2014 (license provided)
Virtual Cores	2 virtual cores
RAM	4 GB
Accessible Storage	750 GB Note the following recommendations: <ul style="list-style-type: none"> • The recommended drive layout is as follows: <ul style="list-style-type: none"> ▲ C: 150 GB (OS) ▲ D: 150 GB (SQL) ▲ E: 450 GB (backup) • OS and SQL should be on SSDs • RAID6 SSD configuration is recommended • Backups can be in HD, but they will take longer to complete

Web Server

The Web server wraps the data provided by the SQL server and displays it in a web page for the user's browser. The Web server also provides the API connections necessary for the return of data from the Utility processors which query the configured devices.

RealAccess, On-Premises Edition Web Server Requirements

Component	Description
Operating System	Windows 2012R2 (license provided)
Applications	RealAccess (license provided)

RealAccess, On-Premises Edition Web Server Requirements

Component	Description
Virtual Cores	2 virtual cores
RAM	4 GB
Accessible Storage	125 GB Note the following recommendations: <ul style="list-style-type: none"> • SSDs are preferred • RAID1 SSD configuration is recommended

Firewall Rules Checklist

The following tables provide a checklist of firewall rules for each On-Premises server used for the RealAccess, On-Premises Edition service delivery platform. RealAccess, On-Premises Edition requires few ports to be open for usage and administrative purposes.

RealAccess, On-Premises Edition Utility Server Firewall Rules Checklist

Source	Source Port	Destination	Dest. Port	Protocol	Usage
Admin Functions					
Any host	Any	Utility server	22	TCP	SSH for configuring the thin client (admin)
Basic Functions					
Utility Server	Any	Database server		ICMP	Ping (for keep alives)
		Web IIS server		ICMP	Ping (for keep alives)
		DNS server	53	TCP	DNS request
		NTP server	123	UDP	NTP time sync request

System Functions

RealAccess, On-Premises Edition Utility Server Firewall Rules Checklist

Source	Source Port	Destination	Dest. Port	Protocol	Usage
Utility server	Any	Web IIS server	443	TCP	Subscription and configuration messages
		Database server	514	UDP	Subscription and configuration messages
			1433	TCP	Subscription and configuration messages
		RealPresence DMA VIP address	8443	TCP	API calls
Utility server	Any	RealPresence Resource Manager VIP address	8443	TCP	API calls
		SMTP relay server	25	TCP	SMTP

RealAccess, On-Premises Edition Database (SQL) Server Firewall Rules Checklist

Source	Source Port	Destination	Dest. Port	Protocol	Usage
Admin Functions					
Any host	Any	Database server	3389	TCP	Remote desktop
Basic Functions					
Database Server	Any	Utility server		ICMP	Ping (for keep alives)
		Web IIS server		ICMP	Ping (for keep alives)
		DNS server	53	TCP	DNS request
		NTP server	123	UDP	NTP time sync request
System Functions					
Database server	Any	Web IIS server	443	TCP	Subscription and configuration messages
		Utility server	61616	TCP	Subscription and configuration messages

RealAccess, On-Premises Edition Web Server Firewall Rules Checklist

Source	Source Port	Destination	Dest. Port	Protocol	Usage
Admin Functions					
Any host	Any	Web IIS server	3389	TCP	Remote desktop
Basic Functions					
Web Server	Any	Utility server		ICMP	Ping (for keep alives)
Web server	Any	Database server		ICMP	Ping (for keep alives)
		DNS server	53	TCP	DNS request
		NTP server	123	UDP	NTP time sync request
System Functions					
Web server	Any	Database server	514	TCP	Subscription and configuration messages
			1433	TCP	Subscription and configuration messages
			61616	TCP	Subscription and configuration messages
User Functions					
Any host	Any	Web server	80	TCP	HTTP traffic
		Web server	443	TCP	HTTP traffic

A few notes:

- **DNS** is required for routing internal email.
- **NTP** is required to synchronize time on all systems.
- **SMTP** sends notifications, new user registration, and password reset emails through an SMTP Relay that accepts mail or routes it to internal users.

Complete the Setup Worksheets

This section provides setup worksheets that help you deploy the RealAccess service delivery platform.

Print the worksheets and complete the fields in the **My System Values** column of each. Then use the information in the worksheets to help you perform the installation and configuration procedures.

RealAccess, On-Premises Edition Software Installation Setup Worksheets

Configuration Information	My System Values	Description
Utility Server Information		
User Name		
Password		
IP Netmask IP Address		
IP Network IP Address		
IP Broadcast IP Address		
IP Gateway IP Address		
IP DNS IP Address		
IP Database (SQL) Server IP Address		
IP Web Server IP Address		
Database (SQL) Server Information		
User Name		
Password		
IP Address (IPv4)		
Subnet Mask		
Gateway		
DNS Server (1)		
DNS Server (2)		
Web Server Information		
User Name		
Password		
IP Address (IPv4)		
Subnet Mask		
Gateway		
DNS Server (1)		
DNS Server (2)		

RealAccess, On-Premises Edition Software Installation Setup Worksheets

Configuration Information	My System Values	Description
	DB Hostname/IP	
	DB User Name	
	DB Password	
Virtual Machine Environment – VMware (ESXi)		
	Deployment Zone	
	Cluster	
	Storage Location	
	Network	
Virtual Machine Environment – HyperV		
	Name and Location	
	Network Adapter	

RealAccess, On-Premises Edition Portal Configuration Setup Worksheets

Configuration Information	My System Values	Description
Login and Licensing Information		
	Default User Name	default@example.org
	Default Password	ExamplePassword123! (case sensitive)
	System ID	
Customer Administrator Information		
	Customer Administrator	
	Primary Contact	
	Secondary Contact	
	Customer Purchase Order Number	
Customer Domain Information		
	Customer Name	
	Email Domain	
	SSO	Yes or No
Email Settings Information		

RealAccess, On-Premises Edition Portal Configuration Setup Worksheets

Configuration Information	My System Values	Description
"From" Name		
"From" Address		
Server Host/IP		
Account User Name		
Account Password		
RealPresence DMA Information		
IP Address		Use the virtual IP address if you have a redundant configuration
User Name		User name for your system account (account must have a minimum of auditor and provisioning roles)
Password		Password for your system account (account must have a minimum of auditor and provisioning roles)
RealPresence Resource Manager Information		
IP Address		Use the virtual IP address if you have a redundant configuration
User Name		User name for your system account (account must have a minimum of device administrator, auditor, and operator roles)
Password		Password for your system account (account must have a minimum of device administrator, auditor, and operator roles)

Onboarding

The RealAccess, On-Premises Edition service delivery platform requires fee-based onboarding.

Polycom personnel performs all of the onboarding steps needed to start your RealAccess service delivery platform deployment. Once the onboarding phase is complete, you are then responsible for installing the RealAccess service delivery platform agent in your virtual environment.



Fee-based onboarding has optional single sign on (SSO) integration that is managed by a Polycom project manager.

Your Polycom RealAccess Analytics start of service coincides with the date of project completion sign-off.

System Installation

Once the onboarding phase is complete, you are ready to install the RealAccess service delivery platform software in your virtual machine environment. The RealAccess, On-Premises Edition service delivery platform is a package of three virtual machine (VM) templates: the Utility server, the Database (SQL) server, and the Web server.

Ensure that your virtual host environment meets the requirements for the three virtual machines. Refer to the [Virtual Machine Server Requirements](#) section for more information.

Although the time required to download the three virtual machine software bundles depends on your connection rate, the estimated installation and configuration times listed should help you plan your installation activities.

RealAccess, On-Premises Edition Software Deployment Time Estimates

Function	Utility Server	Database Server	Web Server
File Name	plcm-realaccess-util	plcm-realaccess-sql	plcm-realaccess-web
File Size	2.2 GB	17.1 GB	9.0 GB
Estimated VM installation (spinup) time	11 minutes	39 minutes	25 minutes
Estimated VM configuration time	3 minutes	2 minutes	3 minutes
Estimated RealAccess portal configuration time	Approximately 30 minutes total		

Download the Software

The RealAccess, On-Premises Edition software packages are located on the Polycom Licensing Center. For more information on obtaining the software or if you need to register for an account on the Polycom Licensing Center, contact [Polycom Support](#).

To download the RealAccess, On-Premises Edition software packages:

- 1 Using a supported browser, log in to the Polycom Licensing Center using the URL and credentials sent to you.
- 2 Select the file(s) that you want to download (you can download the files in any order) and save them to your system.
- 3 If the file is a zip archive, extract the archive.

Install the Software

Once you have downloaded the three VM software packages to your system, you can install RealAccess, On-Premises Edition in the following virtual environments:

- VMware
- Hyper-V



Polycom recommends that a virtual environment administrator install virtual machine software. After the deployment, additional configuration should be done by someone who understands video conferencing.

The total estimated installation (spinup) time for all three software packages is approximately 75 minutes, with individual installation times as follows:

- Utility server: 11 minutes
- Database (SQL) server: 39 minutes
- Web server: 25 minutes



You must install each virtual machine in the order presented in this section:

- 1 Utility server
- 2 Database (SQL) server
- 3 Web server

Use your standard virtual environment tools to deploy the RealAccess, On-Premises Edition virtual machine software.

To install the RealAccess, On-Premises Edition virtual machines:

- 1 Refer to the documentation of your virtual environment tools for instructions on installing a virtual instance.
- 2 Install the Utility server software in your virtual environment using the information you recorded in the [Complete the Setup Worksheets](#) section.
- 3 Wait until the Utility server software package is imported and powered on before continuing.
- 4 Install the Database (SQL) server software in your virtual environment using the information you recorded in the [Complete the Setup Worksheets](#) section.
- 5 Wait until the Database (SQL) server software package is imported and powered on before continuing.
- 6 Install the Web server software in your virtual environment using the information you recorded in the [Complete the Setup Worksheets](#) section.
- 7 Wait until the Web server software package is imported and powered on before continuing.

Configuring the RealAccess, On-Premises Edition Servers

This section consists of three server configuration procedures that must be performed in the order presented:

- [Configure the Utility Server](#)
- [Configure the Database \(SQL\) Server](#)
- [Configure the Web Server](#)



You must install each virtual machine in the order presented in this section:

- Utility server
- Database (SQL) server
- Web server

Configure the Utility Server

First, configure the Utility server in your RealAccess, On-Premises Edition service delivery platform deployment.

Use the information you recorded in the [Complete the Setup Worksheets](#) section to complete this procedure.

To configure the Utility server:

- 1 Access the server instance within your virtual environment console.
- 2 Log into the server with these credentials:
 - **Username:** admin
 - **Password:** Polycom12#\$
- 3 Open the **RealAccess Utility Server Configuration** menu using **raopconfig** at the prompt and log in with the password when prompted.
- 4 Change the password to one with the following characteristics and press **Enter**:
 - 8-character minimum
 - No spaces
 - Numerals and special characters are permitted
- 5 Configure the following parameters:
 - **IP Address**
 - **IP Netmask**
 - **IP Network**
 - **IP Broadcast**
 - **IP Gateway**
 - **IP DNS**
 - **IP SQL Server**

➤ **IP Web Server**

- 6 Save the configuration parameters and reboot.

Configure the Database (SQL) Server

Next, configure the Database (SQL) server in your RealAccess, On-Premises Edition service delivery platform deployment.

Use the information you recorded in the [Complete the Setup Worksheets](#) section to complete this procedure.

To configure the Database (SQL) server:

- 1 Open a console window to the Database server.
An **Administrator** login window displays.
- 2 Log in to the **Polycom User** window using **Polycom12#\$** as the password.
- 3 Download or accept the End User License Agreement (EULA).
- 4 In the Real Access Configuration Utility, select the **System Configuration** tab and configure the following parameters:
 - **IP Address (IPv4)**
 - **Subnet Mask**
 - **Gateway**
 - **DNS Server (2)**
- 5 Click **Update IP Address**.
- 6 Close the configuration utility and reboot the system.

Configure the Web Server

Last, configure the Web server in your RealAccess, On-Premises Edition service delivery platform deployment.

Use the information you recorded in the [Complete the Setup Worksheets](#) section to complete this procedure.

To configure the On-Premise Web Server:

- 1 Open a console window to the Database server.
An **Administrator** login window displays.
- 2 Log in to the **Polycom User** window using **Polycom12#\$** as the password.
- 3 Download or accept the End User License Agreement (EULA).
- 4 In the Real Access Configuration Utility, select the **System Configuration** tab and configure the following parameters:
 - **IP Address (IPv4)**
 - **Adapter**
 - **IP Address (IPv4)**
 - **Subnet Mask**
 - **Gateway**

- **DNS Server (2)**
- 5 Click **Update IP Address**.
- 6 Click the **Application Configuration** tab and configure the following parameters (most likely, you only need to change the IP address):
 - **DB Hostname/IP**
 - **DB Username**
 - **DB Password**
- 7 Click **Save DB Changes**.
- 8 Type the IP address of the Utility server's **Active MQ Address** in the field provided.
- 9 Click **Save AMQ Changes**.
- 10 Close the configuration utility and reboot the system.

Configuring the RealAccess, On-Premises Edition Portal Agent

Your RealAccess, On-Premises Edition service delivery platform is not completely operational until you configure the portal agent by completing the following tasks:

- [Log In and License RealAccess](#)
- [Configure Customer Information](#)
- [Configure Customer Domain](#)
- [Configure Email Settings](#)
- [Configure RealPresence Platform Components](#)

Log In and License RealAccess

Your first login to the portal requires that you license the service.

Use the information you recorded in the [Complete the Setup Worksheets](#) section to complete this procedure.

To log in to the RealAccess, On-Premises Edition portal and license the service:

- 1 Using a browser, go to **realaccess.polycom.com** and log in using the default administrator account credentials:
 - **Username:** default@example.org
 - **Password:** ExamplePassword123!
- 2 In the License Details section copy the **System ID**.
- 3 Email the **System ID** to request a license.
- 4 Once you receive an email with your license information, copy and paste it into the **Update License** box and click **Update License**.
- 5 Accept the End User License Agreement (EULA) by checking the **I Accept** box and clicking **Submit**.
- 6 Log in using the default administrator account credentials (Step 1 above).

Configure Customer Information

A default customer account already exists in the RealAccess, On-Premises Edition service delivery platform. Use this procedure to rename the default account to your own company name and to capture important contact information.

Use the information you recorded in the [Complete the Setup Worksheets](#) section to complete this procedure.



To configure the customer information, you must have the customer purchase order (PO) number for the **Customer PO** field.

To configure the customer information:

- 1 Click **Admin** at the bottom of the page and go to **Setup > Customers**.
- 2 Click **Edit** by the **Default Client** entry.
- 3 Configure the following fields as appropriate for your deployment:
 - **Customer Name**
 - **Customer PO** (required) Customer purchase order number
 - **Primary Contact**
 - **Secondary Contact**
- 4 Click **Update**.

Configure Customer Domain

This procedure configures a user domain so users and administrators can log in to the portal.

Use the information you recorded in the [Complete the Setup Worksheets](#) section to complete this procedure.

To configure the customer domain:

- 1 Click **Admin** at the bottom of the page and go to **Setup > Customer Domains**.
- 2 Click **Create Customer Domain**.
- 3 Configure the following fields:
 - **Customer Name**, if you edited it in previous configuration steps
 - **Domain** for the users who will access the RealAccess, On-Premises Edition service delivery platform
 - **Single Sign On (SSO)** if applicable to your deployment; check to enable, clear to disable



You can assign SSO integration to only one customer domain.

- 4 Click **Update**.

Configure Email Settings

This procedure identifies an email account for delivering notifications about the service.

Use the information you recorded in the [Complete the Setup Worksheets](#) section to complete this procedure.

To configure the email settings:

- 1 Click **Admin** at the bottom of the page and go to **Setup > Email Configuration**.
- 2 Configure the following fields:
 - **“From” name**
 - **“From” address**
 - **Server host/IP**
 - **Account username**
 - **Account password**
- 3 Click **Update**.

Configure RealPresence Platform Components

You must add your RealPresence DMA and RealPresence Resource Manager information to create the correct agent for the RealAccess, On-Premises Edition service.

Use the information you recorded in the [Complete the Setup Worksheets](#) section to complete this procedure.

To configure the RealAccess, On-Premises Edition components:

- 1 On the RealAccess home page, click the **Admin** link at the bottom of the page.
- 2 Select **Setup > Agent**.
- 3 In the **DMA** section, click **Add a new DMA** and enter the information related to your RealPresence DMA system.
- 4 Click **Update** to add the RealPresence DMA system.
- 5 In the **Resource Manager** section, click **Add a new RPRM** and enter the information related to your RealPresence Resource Manager system.
- 6 Click **Update** to add the RealPresence Resource Manager system.

Test Connections

Once you've installed the RealAccess service delivery platform software, test your connection to the RealAccess portal.



Before you begin this section, ensure that the Firewall Checklist is complete.

If you see pages without data, there might be a connectivity issue. Try the following to reset your connection:

- You can troubleshoot these issues on the **Support** page where you can test the connections to the RealAccess Agent, RealPresence DMA, and RealPresence Resource Manager.
- Check the solution connectivity by using the ping utility in RealPresence DMA and RealPresence Resource Manager to check these network connections.

To test the RealAccess connectivity:

- 1 Click **Support**, then select **Status**.

This page shows the RealAccess connectivity tests you can run.

- 2 Select the **Test All Connections** button to run the connectivity tests.

- If you see a green **Active** in the **Results** column, you have a successful connection.
- If you see a red **Inactive** in the **Results** column, you have an unsuccessful connection. Use the following table to troubleshoot some possible scenarios:

RealAccess Connectivity Troubleshooting Scenarios

Test Scenario	Possible Solution(s) for Unsuccessful Tests
External Address ICMP Connection	
External Address SSH Connection (TCP Port 22)	Make sure that the relevant ports on your firewall are open.
OpenVPN Connection	
OpenVPN SSH Connection (TCP Port 22)	
RealPresence Resource Manager TCP Port 8443 (RealPresence Resource Manager IP address)	<ul style="list-style-type: none"> • If any of these tests fail, ping the agent IP address using the ping utility for the RealPresence DMA or RealPresence Resource Manager system. If ICMP is disabled on your network, do a trace route instead. • If you are successful with a ping or trace route, check that TCP ports 8443 and 2341 are open in both directions between the agent's IP address and RealPresence DMA and RealPresence Resource Manager systems.
RealPresence DMA TCP Port 8443 (DMA IP address)	

RealAccess Connectivity Troubleshooting Scenarios (continued)

Test Scenario	Possible Solution(s) for Unsuccessful Tests
RealPresence DMA CDR	
RealPresence Resource Manager Inventory	<ul style="list-style-type: none"> • A “204” response message means the command has been successfully received • A 401 message means that either the username or password is incorrect. • A “403” message means the user does not have permission to request information.
RealPresence DMA MCU Utilization	<p>NOTE: These roles must be enabled:</p> <ul style="list-style-type: none"> • RealPresence DMA: auditor and provisioning • RealPresence Resource Manager: device administrator, auditor, and operator
RealPresence Resource Manager CDR	
If all tests are unsuccessful	Reboot the agent and run the tests again.

If your RealAccess Agent and RealPresence Platform products appear to be configured properly after troubleshooting the connections, but you still do not see data on the **Asset Management** or **Analytics** pages, do the following:

- Check the RealAccess **About** page to verify that your service agreement has not expired.
- Contact your local Polycom representative.

If your subscriptions are active and you are still having connectivity issues, contact [Polycom Support](#).