

Prysm Systems Cloud

The Prysm Systems Cloud allows users to collaborate anytime, anywhere and from any device. It is the backbone of the Prysm Application Suite's real-time, multi-site collaboration features.

Prysm Systems Cloud stores project and workspace, data and content, in a secure centralized location, providing the ultimate flexibility for participant access.

For more information, contact us at sales@prysmsystems.com, or +1.408.586.1100, www.prymsystems.com



Available Environments

The Prysm Systems Cloud is available in two environments, the Prysm hosted service environment and a customer hosted environment.

Prysm Hosted Cloud

- ▶ Provides the latest platform features and enhancements
- ▶ Back end configuration and maintenance is provided by Prysm Inc.

Customer Hosted Cloud

- ▶ Customer hosted and managed cloud on a customer server
- ▶ Prysm Systems Virtual Machine (VM) software to access Prysm Systems Cloud capabilities
 - VMWare based software
 - MS HyperV based software

Features

- ▶ Enables real-time and multi-site collaboration in the same Prysm Application Suite project and workspace
 - Up to 25 users can enter the same workspace at the same time
 - Changes to the workspace by any user at any end point are automatically replicated across all other endpoints
 - Share project access with one or multiple users
- ▶ Mirror files and media objects uploaded to the Prysm Systems Cloud to different endpoint users¹
 - Requires a minimal real-time data transfer bandwidth of 1.5 Mbps
- ▶ Users can be logged into up to two displays at one time via a Prysm Systems Display or mobile device
- ▶ User friendly Prysm Application Suite software administration portal (Web Admin) to configure features and settings
 - Provision users and access levels (administrator, general user, etc.)
 - » Prevent a user outside an account from viewing projects or the associated files within those projects
 - Create and manage projects, workspaces and upload content
 - » Control project security/visibility and other critical application permissions by restricting permissions
 - Configure UI backgrounds, colors and content layout (snap grids)

¹ Live video sources cannot be mirrored across workspace users in the customer hosted cloud option.

...continued on reverse

Technical Specifications

Customer Hosted Cloud Server – VM Requirements

- ▶ Customer hosted and maintained server platform
- ▶ VM Platform Options
 - VMware ESXi 5.0 or above with CPU core pinning enabled
 - MS Hyper-V 2012 or above with CPU reserve options enabled
- ▶ VM Server SQL and Storage Requirements
 - SQL Server 2012, minimum 2GB
 - Virtual Host attached storage (ISCI SAN or Local), 1TB
 - Host and Prysm Systems Server must be in the same data-center for minimal latency, 5ms
- ▶ VM server license is required
- ▶ Up to 50 Prysm Application Appliances and 250 users can be handled by a single VM server

VM Server Hardware Configuration Requirements

Server Manufacturer	Any (HP, Dell or Cisco recommended)
Processor	Intel® Xeon 2600 v2 or later
Processor Frequency	2.0 GHz or greater
HDD	100 GB (SSD recommended)
RAM	minimum 4 cores, 2 GB each

VM Server Network Configuration Requirements

- ▶ Customer provisioned client certificate for each HTTPS endpoint
- ▶ VM must be on a dedicated network port; isolated from out-of-band systems
- ▶ All memory channels must be enabled to maximize bandwidth

Network Interface	Hyper V: Standard network adapters preferred VMWare: VMXnet network adapters preferred
Admin HTTP/HTTPS	180/443
API HTTPS	4433
Logging	5757 (UDP)
RDP	3389 (TCP/UDP)
SMTP	587 (outbound, 25 may be used for some instances)
LDAP (optional)	389/3268 (SSL not in use)

User Licensing

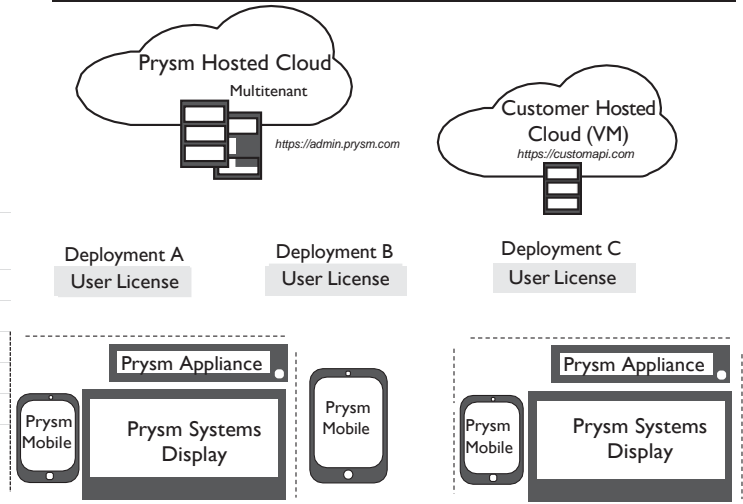
Prysm Systems subscription based user licenses are required to use the Prysm Application Suite.

User Subscription Requirement

- ▶ Individual user licenses are required for all Prysm Application Suite users
 - Login credentials are based on user e-mail addresses and passwords associated to a valid license
- ▶ Individual user licenses are based on a yearly subscription
- ▶ Legacy customers are required to purchase a user subscription to use Prysm Mobile
- ▶ A user license can be used to login to the Prysm Application Suite on any Prysm Systems display and to Prysm Mobile

Subscription Requirements Matrix

Configuration	User License
Prysm Systems Display with Prysm Application Appliance + Prysm Mobile	1 per user
Prysm Systems Display with Prysm Application Appliance	1 per user
Prysm Mobile Only	1 per user



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