

PREPARE

- 1 Refer to [Getting Started with Citrix App Orchestration 2.0](#) for detailed system requirements.
- 2 Watch the [Know Before You Go - Install Phase](#) video.
- 3 Prepare your new App Orchestration Management network. Before installing and configuring App Orchestration, prepare the network components that follow. Refer to the [App Orchestration Architecture](#) diagram.



Servers

At a minimum, an App Orchestration deployment requires the following servers:

- Domain controller
- App Orchestration configuration server
- Database server
- Citrix Licensing Server (new or existing)
- Two XenDesktop Delivery Controllers
- Two StoreFront servers
- One or more Session Machines
- XenServer or other hypervisor server (for use with beta version of integrated provisioning)
- One server for Citrix Product Depot

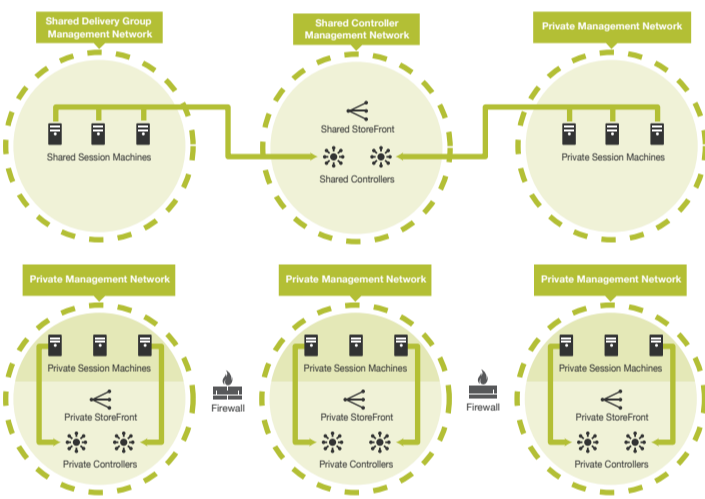


Networks

Create and label your networks for App Orchestration:

- Shared Controller Management Network, one per Tenant
- Shared Delivery Group Network
- Private Management Network, one per Tenant

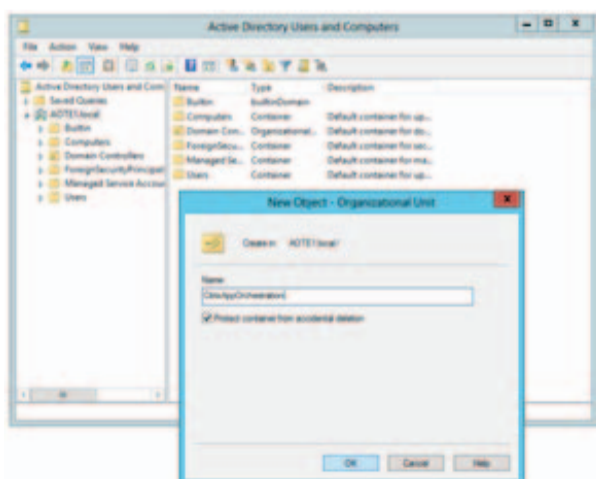
See [App Orchestration Isolation](#) and [Configuring NetScaler Load Balancing and NetScaler Gateway for App Orchestration](#).



Active Directory Domain

Set up your App Orchestration resource domains.

- Create a new Organizational Unit (OU): CitrixAppOrchestration
- Add orchestration service account, password, and administrator group:
Domain\AOServiceUser
Domain\AOAdmins
- Optionally, create a separate domain or forests for shared users
- Optionally, use Policies to help manage your Active Directory domain



Optionally, set up AO user domains.

- Create an organizational unit in the domain for each tenant that will use the domain
- Place all of the tenant's users in that domain



Database Server

A Microsoft SQL database server must exist to host multiple databases that communicate with multiple servers within your deployment. Prepare a Microsoft SQL Server 2012 or 2008 R2 database server to host databases for these components:

- App Orchestration - global, per datacenter
- XenDesktop - optional, per tenant per datacenter
- XenApp - optional, per tenant per datacenter

Configure database server communications through Windows Firewall.

DOWNLOAD

4 Download App Orchestration and related software

To host the product software, create your Citrix Product Depot file share on a server using this structure:

```
\\<ServerName>
\CitrixProductDepot
  \CloudAppManagementAgents
  \XenDesktop
  \CitrixStoreFront
  \XenApp\XenAppHRP
```

All servers in the deployment must have permissions to access this file share and must be able to initiate PowerShell remoting sessions. The orchestration service account must have permissions to access this file share.

● App Orchestration

CloudAppManagementAgents folder:

Navigate to the download page for the Citrix Cloud Provider Pack for XenDesktop or the Citrix Cloud Provider Pack for XenApp, log on to your Citrix account, and download App Orchestration. The contents for the CloudAppManagementAgents folder are located in the Packages folder of the App Orchestration installation media. Copy all the files in the Packages folder to the CloudAppManagementAgents folder in the Citrix Product Depot file share.

● XenDesktop

XenDesktop folders:

Navigate to the [XenDesktop 7.1 download page](#) to download XenDesktop. From the product download media, copy the XenDesktop software to the XenDesktop folder in the file share.

● StoreFront

CitrixStoreFront folders:

StoreFront 2.1 is included with XenDesktop 7.1. From the product download media, copy the StoreFront software to the CitrixStoreFront folder in the file share.

● XenApp

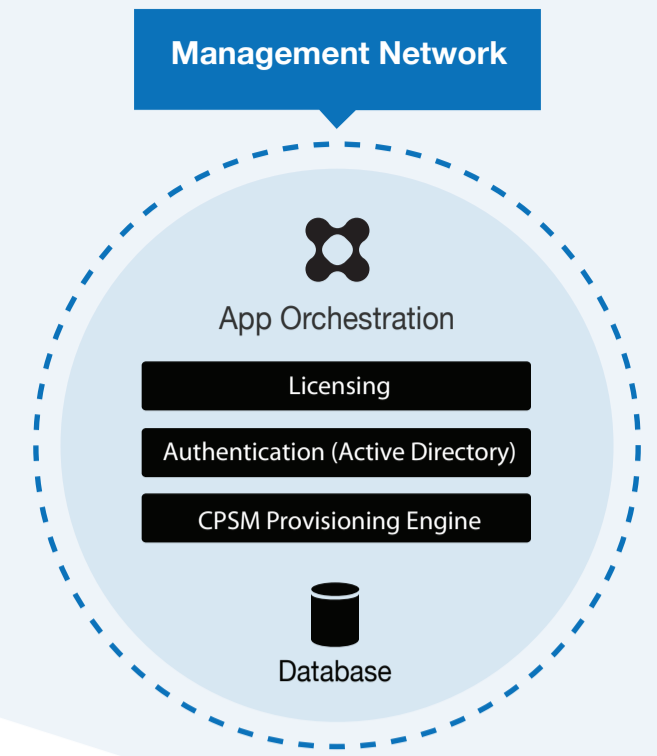
XenApp and XenAppHRP folders:

Navigate to the [XenApp 6.5 FP2 download page](#) to download XenApp and the latest Hotfix Rollup Pack. Copy the entire contents of the XenApp 6.5 installation media to the XenApp folder in the Citrix Product Depot file share. Next, copy the entire contents of the latest Hotfix Rollup Pack to the XenApp\XenAppHRP folder. Finally, copy the SQLServer2012 folder from the \Support folder on the App Orchestration installation media to the \XenApp\Support folder in the Citrix Product Depot file share.

5 Optionally, download CloudPortal Services Manager

from the download page for the Citrix Cloud Provider Pack for XenDesktop or the Citrix Cloud Provider Pack for XenApp.

CloudPortal Services Manager is an easy-to-use web portal that helps service providers manage the delivery of cloud services and offerings to their customers. It provides out-of-the-box support for Desktop-as-a-Service and Windows apps (powered by XenApp), as well as popular business applications like Exchange, Office, SharePoint, Lync, and web hosting.



INSTALL

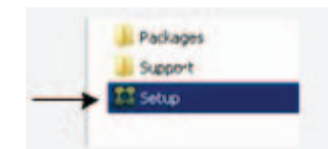
6 Install App Orchestration

App Orchestration provides simple unified management of Citrix application and desktop delivery technologies in a multi-tenant environment, using multiple datacenters across multiple domains. The components are:

- Configuration server
- Delivery Controllers
- Session Machines
- StoreFront
- Virtualization infrastructure

The App Orchestration configuration server hosts the App Orchestration configuration service, the web-based management console, and the XenDesktop or XenApp installer.

1. Run the App Orchestration Setup Installer on the App Orchestration configuration server.



2. If .NET Framework is not detected, accept and install the software when prompted.



3. Click **Install** to accept the Citrix License agreement.



4. After the installer successfully installs all App Orchestration components on this server, you can choose to begin the configuration by launching "Citrix App Orchestration Server Configuration".



7. Optionally, install CloudPortal Services Manager.