VMWare[®] PROFESSIONAL SERVICES

Cloud Pod Architecture with VMware Horizon 6.1

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March 2015

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Cloud Pod Architecture with VMware Horizon 6.1

With the release of VMware Horizon 6.1, VMware has added one of their most popular features from the View 6.0 release to the Web Interface to make life easier for the Horizon Administrator.

With Cloud Pod Architecture it is now possible to link a number of Horizon deployments together to create larger global pools these pools can span over 2 different locations, for example 1 view deployment in Chicago and another in London.

The following gives a quick overview and the benefits to deploying Cloud Pod Architecture with Horizon 6.x.



One of the issues with the Cloud Pod Architecture with View 6 was it could be difficult to configure as everything had to be configured using the command line on the connection brokers. With Horizon 6.1 you can now configure and manage Cloud Pod Architecture via the Web Admin Portal, this greatly improves the Cloud Pod Architecture feature.

The following is an overview of how to setup and manage Cloud Pod Architecture with Horizon 6.1.

1. Configure Cloud Pod Architecture

After setting up at least two View Connection Servers (one at each site) with desktop pools and testing them to ensure they work properly, including assigning users (or test users) to the environments, it is now time to setup the Cloud Pod Architecture feature for supporting a global name space.

1.1 Initializing the First Pod Connection Server

1. On one connection server in the first site click on *Cloud Pod Architecture* under *View Configuration*. Then Click *Initialize the Cloud Pod Architecture Feature*.



2. Click OK.



3. You will see the initialization process begin.

oud Pod Architecture		
Connection Server	Percentage	Status
VIEWDCB	0%	Pending

4. After it has finished Click OK.

Reload	
Reloading the client is recommer reload the client?	nded. Click OK to
	OK Cancel

5. To rename the Pod Click *Edit*.

Edit	Unjoin	Uninitialize

6. Give the Pod a new Name and click OK.

Edit Pod Federation		
Name:	Global Pod	
	ок Cancel	

1.2 Joining the Second Pod to the First Pod

1. On one connection server in the second site click on *Cloud Pod Architecture* under *View Configuration*. Then Click *Join the pod to federation*.

VMware Horizon View Administrator			
Updated 1/29/2015 2:55 PM	Cloud Pod Architecture		
Sessions 0 Problem vCenter VMs 0 Problem RDS Hosts 0 Events 0 System Health 2 0 1 0	What is Cloud Pod Architecture? The Cloud Pod Architecture feature links together multiple View pods to provide a single large desktop brokering and management environment. When the Cloud Pod Architecture feature is enabled, you can		
Inventory	join together multiple View pods to form a		
Cashboard Susers and Groups Catalog Catalog	single View implementation called a pod federation. A pod federation can span multiple sites and datacenters.		
🚰 Machines	Basic Tasks		
Persistent Disks			
Policies	Initialize the Cloud Pod Architecture feature		
▼ View Configuration Servers Product Licensing and Usage Global Settings Registered Machines Administrators ThinApp Configuration Cloud Pod Architecture	Join the pod federation		
Event Configuration			

2. Enter the Name of the connection server used to create the federated pod, the username and password and click *OK*.

, you must provide connection information for a belongs to a pod that has been initialized or is
ewDCB.vmware.com
nware\administrator
888888888
OK Cancel

3. The server will now be added to the federated pod.

Join 90%		
Connection Server	Percentage	Status
IEWDCA	90%	Pending

4. When the process is complete click OK.

Reload	
Reloading the client is recommented reload the client?	nded. Click OK to
-	OK Cancel

5. There will now be 2 clusters as part of the federated pod.

Pod Federation		
Edit Unjoin Uninitialize		
Name: Global Pod		
Pods		
Pods Name	Site	Description
Pods Name Cluster-VIEWDCA(local)	Site Default First Site	Description
Pods Name Cluster-VIEWDCA(local) Cluster-VIEWDCB	Site Default First Site Default First Site	Description
Pods Name Cluster-VIEWDCA(local) Cluster-VIEWDCB	Site Default First Site Default First Site	Description
Pods Name Cluster-VIEWDCA(local) Cluster-VIEWDCB	Site Default First Site Default First Site	Description
Pods Name Cluster-VIEWDCA(local) Cluster-VIEWDCB	Site Default First Site Default First Site	Description

1.3 Create the Individual Site

The following can all be done form 1 of the connection servers with in the federated pod

1. From the menu on the right hand side under View Configuration click Sites.



2. Create the first site. Under Sites Click Add.

Sites	
Add Edit Delete	
Site	
Default First lite	
•	

3. Give the site a name and a Description (Optional) Click OK.

Add Site	
Name:	Site A
Description:	Chicago Site
	OK Cancel

- 4. Create the second site. Under Sites Click Add.
- 5. Give the site a name and a Description (Optional) Click OK.

Add Site	
Name:	Site B
Description:	London Site
	OK Cancel

6. To move the Clusters out of the Default site, click on Default First Site, click on one of the clusters and click *Edit*.

Sites	
Add Edit Delete	
Site	Description
Site B	London Site
Default First Site	
Site A	Chicago Site
Edit 2	-
Pod	Description
Cluster-VIEWDCA	
Cluster-VIEWDCB	

7. From the dropdown choose the correct site and click OK.

Edit Pod	
Name:	Cluster-VIEWDCA
Description:	
Site	Site A 🛛
	2 — ОК Сапсе!

- 8. Follow step 6 and 7 for the second Cluster.
- 9. You will now see 1 pod in each site.

Description	Number of Pod
London Site	1
	0
Chicago Site	1
	Description London Site Chicago Site

2. Global Pools

2.1 Create Global Pools

1. From the menu on the right hand side under Catalog click Global Entitlements.



2. Click Add.

Global Entitlements			
Add Edit)elete		
Filte r+		Find	Clear
Name			Number

Give the pool a Name. Select the user assignment and click Next.
 Note: The local pools must be configured the same as the global pool for user assignment.

Name and Policies	General		User Assignment Policy
Users and Groups Ready to Complete	Name: Description:	Global Pool	pecifies the type of esktop pool that the global entitlement can contain. A Floating global entitlement can contain
	Policies User assignment	 Floating 	only floating desktop pools. A Dedicated global entitlement can contain only dedicated desktop
		O Dedicated	Scope Policy
	Scope:	 All sites 	Specifies where to look for
		 Within site 	desktops to satisfy a desktop request from the
		 Within pod 	global entitlement. All sites
	Use home site	6 ⁷⁷	any pod in the pod
	Entitled u	iser must have home site	searches for desktops only
	Automatically	dean up redundant sessions	on pods within the same site, and Within pod
	Default display protocol:	PCoIP ·	searches for desktops only in the pod to which the user is connected.
	Allow users to choose protocol:	Yes	For global entitlements that contain dedicated desktop
	Allow users to	reset their machines	pools, the scope policy is applied only the first time a user requests a desktop.

Name and Policies	Add users or groups to the g	lobal entitlement	
Users and Groups	Name	Domains	Email
Ready to Complete			
		-	Add Remov

4. Click Add to assign users and groups.

5. Select the user or group and click OK.

Type: Domain:	✓ Users Entire Directory	✔ Groups		
Name/User name: Description:	Contains • Contains •	vmware		
Name	User Name	Find Email	Description	In Folder
VMware Horizon	SVC_Horizon :	· · · · · · · · · · · · · ·		

- 6. Click Next.
- 7. Click Finish.

3. Configuring Local Pools with Global Pools

3.1 Adding a Local Pool to a Global Pool

Now you need to associate the local desktop pools (also referred to as child pools) on the first View Connection Server to the Global Entitlement or parent pool.

The following should be done on the first View Connection Server.

1. Under Global Entitlements double click the pool name.

Updated 1/30/2015 10:03 AM 🛛 🗟	Global Entitlements	
Sessions 0 Problem vCenter VMs 1 Problem RDS Hosts 0	Add Edit Delete	
System Health	Filter 👻	Find Clear
	Name	Number of Users and Groups
Inventory	Global Pool	1 User
🚱 Dashboard	N.	
Users and Groups		
V Catalog		
Desktop Pools		
Application Pools		
and the second s		

2. Click Local Pools.



3. Click Add.



4. Select the Pool and click Add.

elect Desktop Pools t	to Add 👔		
Pool ID	Pool Name	Туре	vCenter Server
PoolA	Pool A	AUTOMATED	

5. The local pool has now been added to the global pool.

elect Desktop Pools (to Add (3)		
Pool ID	Pool Name	Туре	vCenter Server
PoolA	Pool A	AUTOMATED	

3.2 Add a Local Pool to the Global Pool from the secondary Site.

Now you need to associate the local desktop pools (also referred to as child pools) on the second View Connection Server to the Global Entitlement or parent pool.

The following should be done a View Connection Server on the second site.

1. Under Global Entitlements double click *the pool name*.

VMware Horizon View A	Administrator	
Updated 1/30/2015 10:03 AM	Global Entitlements	
Sessions 0 Problem vCenter VMs 1 Problem RDS Hosts 0	Add Edit Delete	
System Health 18 0 1 0	Filter - Fil	nd Clear
	Name	Number of Users and Groups
Inventory	Global Pool	1 User
🖓 Dashboard	-	
😽 Users and Groups		
Search Sessions		
Catalog Deskton Pools		
Application Pools		
P ThinApps		
🤹 Global Entitlements		

2. Click Local Pools.

Global Pool			
Summary	Local Pools	Users and Groups	
General	1		
Edit			
Name:		Global Pool	
Description:			
Number of Po	ods:	0	
Policies			

3. Click Add.

Global Pool		
Summary	Local Pools	Users and Groups
Add De	elete	
K	ID	

4. Select the Pool and click Add.

elect Desktop Pools t	to Add 👔		
Pool ID	Pool Name	Туре	vCenter Server
PoolC	Pool C	AUTOMATED	

The local pool has now been added to the global pool.
 Note: Only the local pools will be displayed as being members of the global pool.

4. User Entitlements

4.1 Editing Users to a Global Pool

The following steps will show you how to edit the entitled users.

The following can be done from any View Connection Server.

1. Under Global Entitlements double click *the pool name*.

VMware Horizon View A	Administrator	
Updated 1/30/2015 10:03 AM	Global Entitlements	
Sessions 0 Problem vCenter VMs 1 Problem RDS Hosts 0 Events 0 0 0	Add Edit Delete	
System Health	Filter 👻 Fil	nd Clear
	Name	Number of Users and Groups
Inventory	Global Pool	1 User
🚱 Dashboard		
Susers and Groups		
Search Sessions		
Desktop Pools		
Application Pools		
P ThinApps		
🤹 Global Entitlements		

2. Click Users and Groups.

Summary	Local Pools	Users and Groups
		· 🔺
Add	elete	

3. To Add a user or Group Click Add.

Global Pool		
Summary	Local Pools	Users and Groups
Add De	lete	
	Nam	ne

4. Click Add.



5. Find the User or Group and Click OK.

Type:	Users	Groups		
Name/User name: Description:	Contains V	vmware		
Namo	Liser Name	Find	Description	In Folder
VMware Horizon	SVC_Horizon :		Description	Infolder

- 6. Click OK.
- 7. To Delete a User or Group. Select the User or Group and click Delete.

Global Pool				
Summary Local Pools	Users and Groups			
Add Delete	-2			
Nam	ie			
VMware Horizon				

8. To confirm Click OK.





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