

Racemi Dynacenter

Agenda

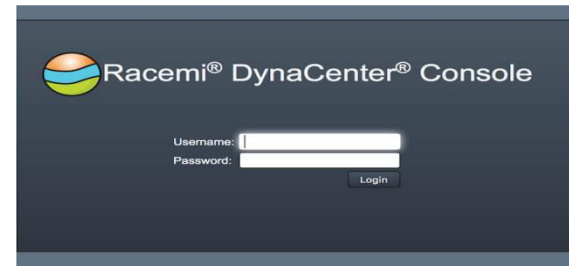
- Supported region in AWS
- Platforms Support
- Supported instance type.
- Creating Dynacenter AMI
- Port number open
- Dynacenter Console
- Agent installation in source server
- Creating template for target server

Dynacenter Console

Take note of DynaCenter instance's IP address. The IP address referring as the Console URL.

(Go to AWS console → select Services → Ec2 → Instances → Select the Dynacenter instance → In instance description copy the Elastic IP of Dynacenter server.)

Type the DynaCenter Username and Password



Supported region in AWS

US East (N.Virginia) Region
US West (N. California) Region
US West (Oregon) Region
GovCloud (US) Region
Ireland (EU) Region
Frankfurt (EU) Region
São Paulo Region
Singapore Region
Sydney Region
Tokyo Region

Platforms Support

- On premises to AWS
- AWS to AWS
- Region to Region

Supported instance type

Instance type		
C1.medium.magnetic/ssd(2cpu,1.7GB)		M2.4xlarge.magnetic/ssd(8cpus,68.4gb)
C1.xlarge.magnetic/ssd(8cpu,7GB)		M2.xlarge.magnetic/ssd(2cpus,17.1gb)
C3.2xlarge.magnetic/ssd(8cpu,15GB)		M3.2XLarge.magnetic/ssd(8CPUs,30GB)
C3.large.magnetic/ssd(2CPU,3.75GB)		M3.large.magnetic/ssd(2cpus,7.5gb)
C3.xlarge.magnetic/ssd(4CPUs,7.5GB),		M3.medium.magnetic/ssd(1cpu,3.75GB)
C4.2xlarge.magnetic/ssd(8CPUs,15GB)		M3.xlarge.magnetic/ssd(4cpus,15gb)
c4.4xlarge.magnetic/ssd(16cpus,30gb),		M4.2xlarge,magnetic/ssd(8cpus,32GB)
c4.8xlarge.magnetic/ssd(36cpus,60gb),		M4.4xlarge.magnetic/ssd(16cpus,64gb)
C4.large.magnetic/ssd(2CPUs,3.75GB)		M4.large.magnetic/ssd(2cpus,8gb)
C4.xlarge.magnetic/ssd(4cpus,7.5GB)		M4.xlarge.magnetic/ssd(4cpus,16gb)
M1.large.magnetic/ssd(2cpu,7.5GB)		R3.2xlarge.magnetic/ssd(8cpus,61gb)
M1.medium.magnetic/ssd(1cpus,3.7GB)		R3.large.magnetic/ssd(2cpus,15gb)
M1.small.magnetic/ssd(1cpu,1.7gb)		R3.xlarge.magnetic/ssd(4cpus,30.5gb)
M1.xlarge.magnetic/ssd(4cpu,15gb)		T2.medium.magnetic/ssd(2cpus,4gb)
M2.2xlarge.magnetic/ssd(4cpu,34.3gb)		T2.small.magnetic/ssd(1cpus,2gb)

Creating Dynacenter AMI

Launching Dynacenter server using cloudformation template:

Get the required data for dynacenter. Ex: Instance type, storage size, Network configuration details, etc...

Enclosed cloudformation template to create dynacenter.

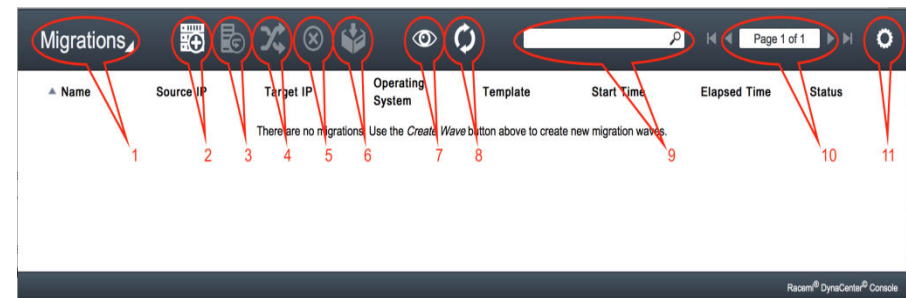
Login into the AWS console.

Go to services → Select cloudformation, Home page of cloudformation window will be displayed.

Console toolbar

After you log in, the DynaCenter Console main screen appears and there's a row of icons at the top of the console page

Console screen. Choose between "Migrations", "Servers", and "Templates".



New wave: Create a new migration wave

Retry wave: Retry the wave migration after a failure

Sync servers: Bring data changes from the source server to the target server after migration

Cancel: Stop the current operation for the selected wave

Archive wave: Move the wave to the "archive". This takes the wave out of view. You can still see the wave if you click the "View all" button

View all: Show all waves, including archived ones

Refresh screen: Update the list of waves displayed

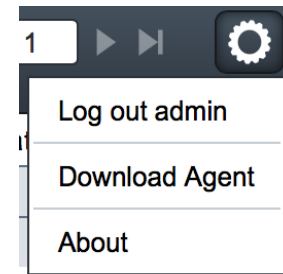
Search: Show all waves and servers matching the string you type in this box

Page navigation: Navigate between pages listing waves and servers

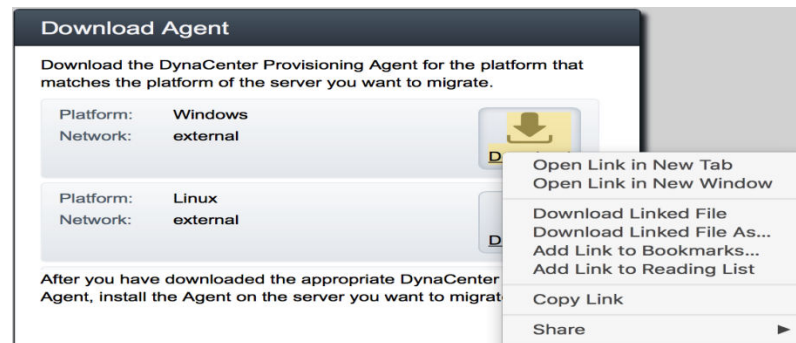
Menu and Settings: Log out of the console, download agent or show console version

Install the DynaCenter Agent

To download the Windows and Linux agents, click on the Menu and Settings button on the upper right corner. Select Download Agent.



On the Download Agent window, click on each button to download the agents.



Create a migration template

Migration templates are defined in the "Template" page in the Console. To access the "Templates" page, click on the button located in the upper left corner of the Console page.

On the Templates page, select the "New template" button to create a new template

The image shows the AWS Migration console interface. On the left is a sidebar with three buttons: 'Migrations', 'Servers', and 'Templates'. The 'Templates' button is highlighted. The main area displays a 'Create Template' dialog box. The dialog has a title bar 'Create Template' and a message 'You are about to create a new template.'. It contains two input fields: 'Template Name:' with the value 'Pari' and 'Vendor Account:' with the value 'Amazon'. Below these fields is a question 'Do you want to proceed?' with 'No' and 'Yes' buttons. Below the dialog, the 'General' tab of the template configuration is visible. It shows the following details:

General	AWS	VPC	Capture	Sync	Components
Template Name:	Pari				
Description:	None				
Image Depot:	image				
Route to Source:	private				
Route to Target:	private				

General	AWS	VPC	Capture	Sync	Components
Region:	Asia Pacific (Singapore)				
Instance Type:	auto				
Instance Name:	target-*				
Storage Layout:	match-source				
Tags:	None +				
IAM Role:	None				
EBS Encryption:	None				

General	AWS	VPC	Capture	Sync	Components
Network:	None				
Target Subnet:	None				
Target IP Address:	Assign automatically				
Target Security Groups:	None +				
Deploy Subnet:	None				
Assign Elastic IP:	No				

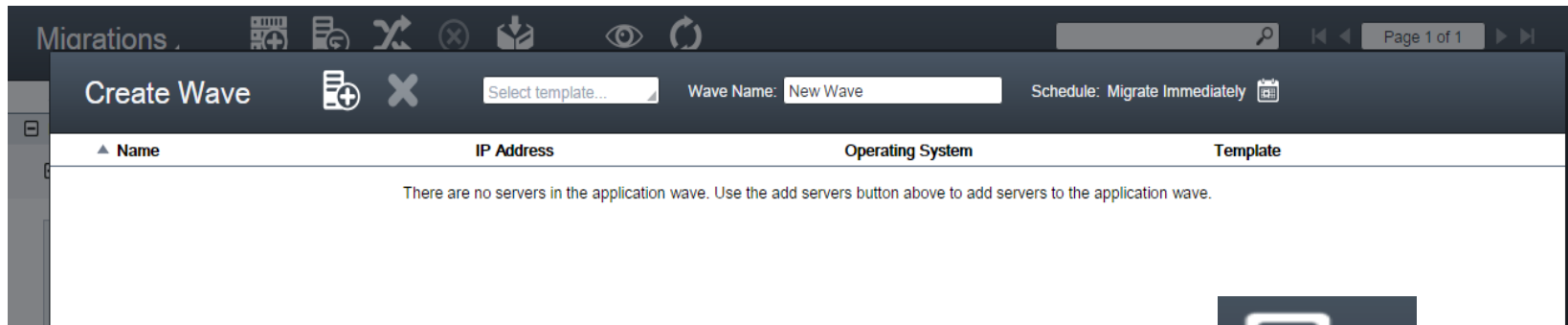
General	AWS	VPC	Capture	Sync	Components
Network:	vpc-0c9e1468 (10.0.0.0/16) 1				
Target Subnet:	subnet-f10802da (10.0.1.0/24)				
Target IP Address:	Assign automatically				
Target Security Groups:	Dynacenter Source +				
Deploy Subnet:	None				
Assign Elastic IP:	No				

[-] Pari*

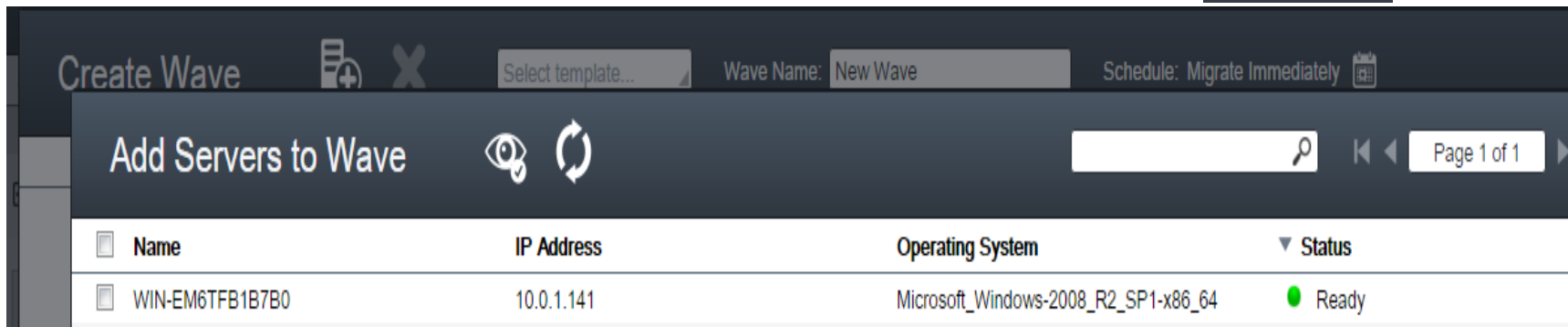
General	AWS	VPC	Capture	Sync	Components
Sync Depot:	sync				
Windows Sync					
Windows Sync:	Automatic				
Linux Sync					
Linux Sync:	Manual				
Include Directories:	Default +				
Exclude Directories	Default +				
Use Default Excludes:	Yes				
Block Size (KiB):	Default				

Migrate Servers

In the DynaCenter Console, click the Create Migration Wave button .



In the Create Wave view, click the Add Server to Wave button .



In the Add Servers to Wave view, select the servers you want to migrate as part of this wave.

Add Servers to Wave			
<input type="checkbox"/> Name	IP Address	Operating System	▼ Status
<input checked="" type="checkbox"/> WIN-EM6TFB1B7B0	10.0.1.141	Microsoft_Windows-2008_R2_SP1-x86_64	● Ready

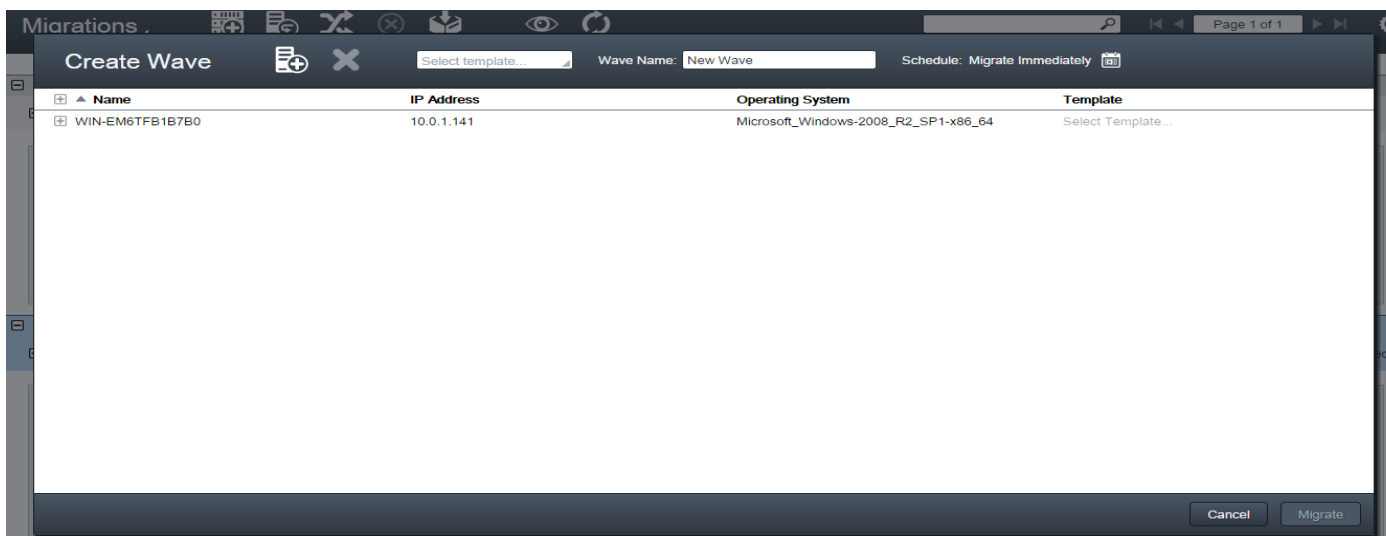
Click the Refresh button to refresh the list of servers



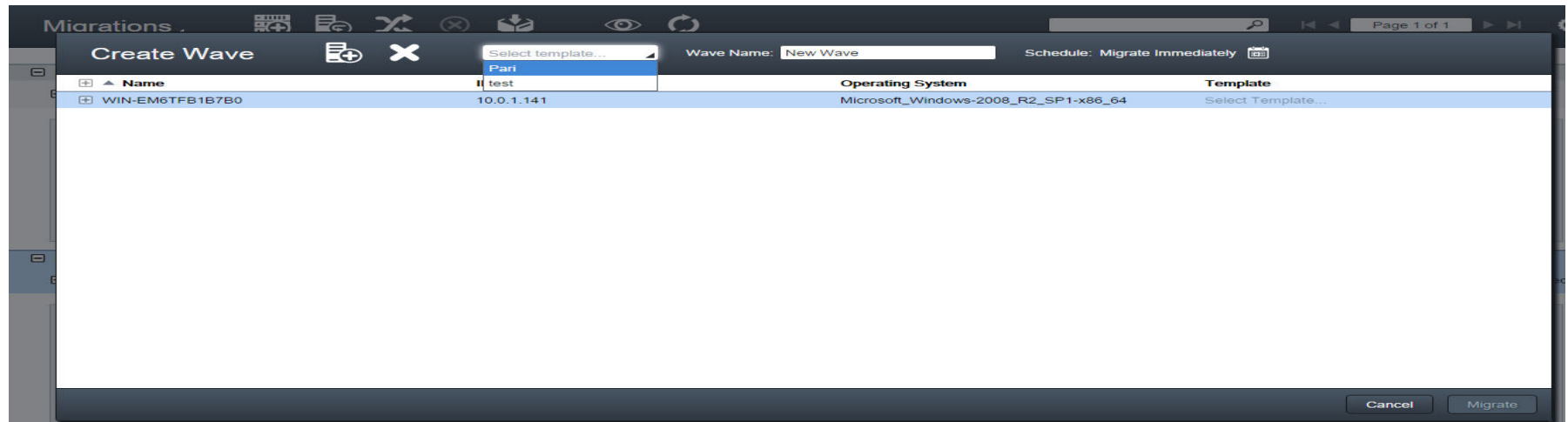
Type a search term that applies to the server

Click the Show All Servers button to list all servers that are available for migration

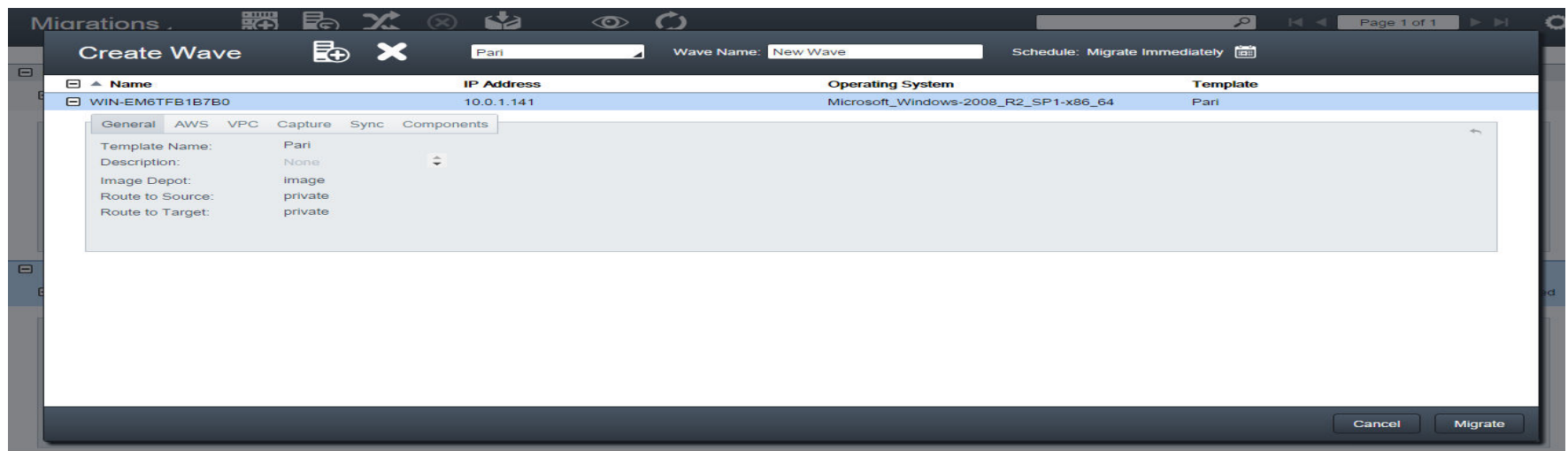
Click Add Servers.



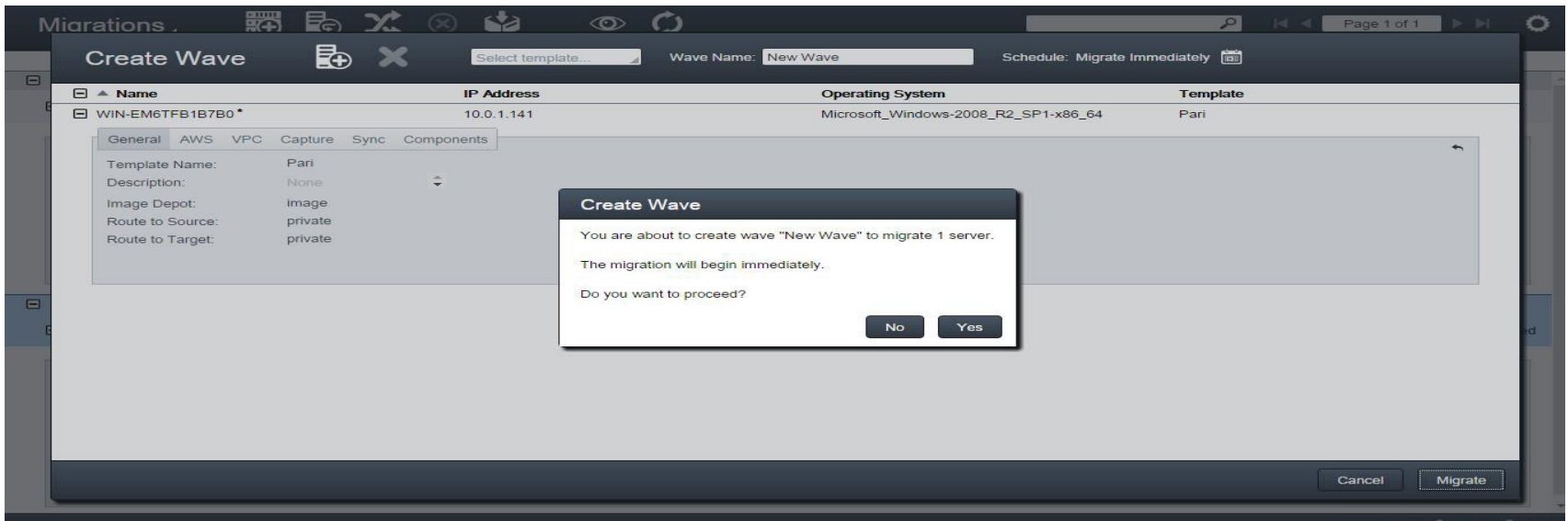
In the Create Wave view, select a server or a group of servers and apply the appropriate [template](#) to the selected servers.



Type a Wave Name for this migration wave



Verify the information in the Create Wave summary view










After you accept the wave configuration, the newly configured wave appears in the Migrations view.


Migrations							
Name	Source IP	Target IP	Operating System	Template	Start Time	Elapsed Time	Status
+ New Wave (1 Task, 1 Succeeded)*							✓ Succeeded
+ New Wave (1 Task, 1 Succeeded)							✓ Succeeded
- New Wave (1 Task, 1 In Progress)							🔄 In progress
+ WIN-EM6TFB1B7B0	10.0.1.141		Microsoft_Windows-2008_R2_SP1-x86_64	Pari	7/27/16 10:13 PM	00:00:52	🔄 Preparing migration







The status column will display "Migration Succeeded" when the migration completes.

Migrations



Page 1 of 1






Name	Source IP	Target IP	Operating System	Template	Start Time	Elapsed Time	Status
 New Wave (1 Task, 1 Succeeded) *							 Succeeded
 New Wave (1 Task, 1 Succeeded)							 Succeeded
 WIN-EM6TFB1B7B0	10.0.1.141	10.0.1.215	Microsoft_Windows-2008_R2_SP1-x86_64	Pari	7/27/16 10:13 PM	02:14:30	 Migration succeeded

DynaCenter Synchronization

Intermediate sync - DynaCenter quiesces services on the target server only. This option is usually selected when the goal of the sync operation is to reduce the data change set between the source and target servers in preparation for a final sync. By reducing the data change set before the final sync operation, you help to ensure that the final sync operation can be completed within a scheduled maintenance window.


Final sync - DynaCenter quiesces services on both the source and the target servers. This option is usually selected when the goal of the sync operation is to make the final cutover from the source server to the target server. By quiescing both the source and target servers before the sync operation, you help to ensure that the synchronized data on the target server is consistent with the source server before a production cutover.


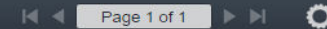
Synchronize servers

Migrations							
							
<input type="text"/>  Page 1 of 1 							
▲ Name	Source IP	Target IP	Operating System	Template	Start Time	Elapsed Time	Status
+ New Wave (1 Task, 1 Succeeded) *							✓ Succeeded
- New Wave (1 Task, 1 Succeeded)							✓ Succeeded
+ WIN-EM6TFB1B7B0	10.0.1.141	10.0.1.215	Microsoft_Windows-2008_R2_SP1-x86_64	Pari	7/27/16 10:13 PM	02:14:30	✓ Migration succeeded

Click the Sync Servers button



Migrations

 Page 1 of 1 

▲ Name	Source IP	Target IP	Operating System	Template	Start Time	Elapsed Time	Status
+ New Wave (1 Task, 1 Succeeded) *							✓ Succeeded
- New Wave (1 Task, 1 Succeeded)							✓ Succeeded
+ WIN-EM6TFB1B7B0	10.0.1.141	10.0.1.215	Microsoft_Windows-	Pari	7/27/16 10:13 PM	02:14:30	✓ Migration succeeded

Server Synchronization

You are about to perform a sync for 1 server.

Choose the type of sync to perform:

☐ Intermediate sync

☐ Final sync

Choose when to run the syncs:

☒ Sync immediately

☐ Sync on a schedule

Date

Time

Time Zone

Do you want to proceed?

No

Yes