



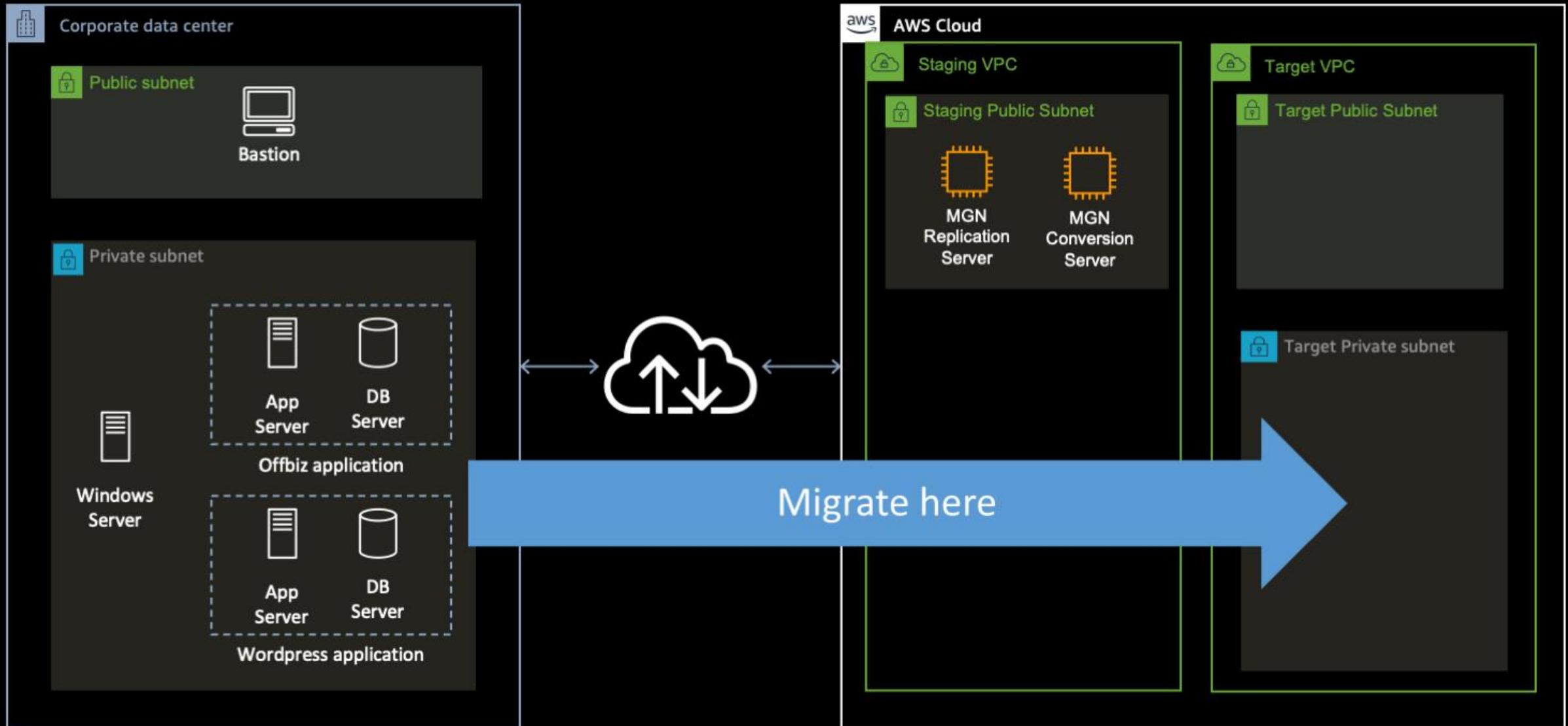
AWS MGN Workshop

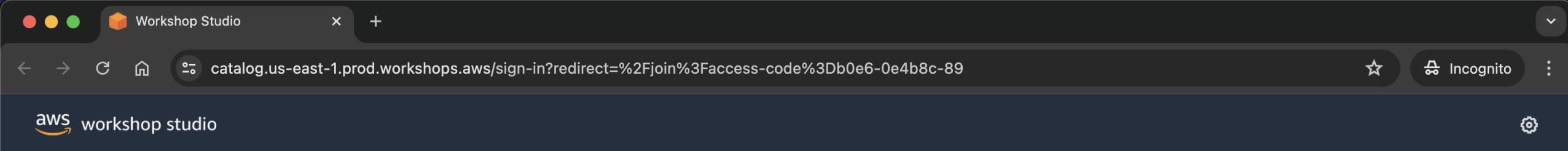
Michael Lin

Sr. Solutions Architect
Amazon Web Services

	短網址	原始網址
AWS Lab 環境	https://reurl.cc/oyYo8I	https://catalog.us-east-1.prod.workshops.aws/join?access-code=ff2b-06e92e-30
AWS Lab 文件	https://reurl.cc/pvroMb	https://catalog.us-east-1.prod.workshops.aws/workshops/cee71cf9-c6d0-4b03-8047-e85546e2b348/en-US
AWS Lab 截圖	https://reurl.cc/Rekl5G	https://github.com/michlin0825/20240918_CHT_MGN_Workshop

Lab architecture reference





[Workshop Studio](#) > Sign in

Sign in

Choose a preferred sign-in method

Email one-time password (OTP)

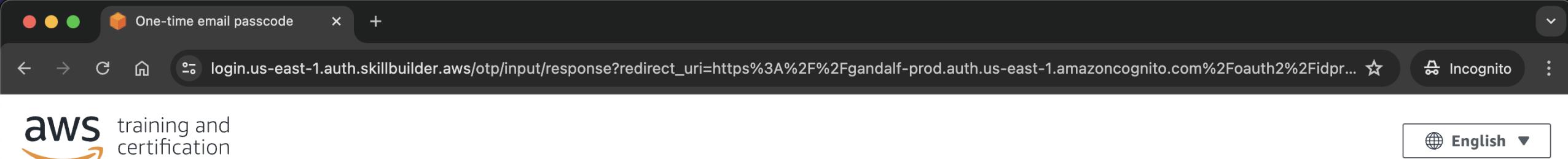
Enter your personal or corporate email to receive a one-time password

AWS Builder ID

Login with AWS Builder ID, a new personal profile for builders

Amazon employee

Login with your Amazon Corporate account. Only for Amazon Employees.



One-time email passcode

Send a passcode to the email below.

Email

michael.tw.lin@

Back

Send passcode

[Get help signing in](#)

Verify one-time email passcode

← → ⌛ login.us-east-1.auth.skillbuilder.aws/otp/challenge?redirect_uri=https%3A%2F%2Fgandalf-prod.auth.us-east-1.amazoncognito.com%2Foauth2%2Fidprespo... ☆ Incognito :

aws training and certification

English ▾

One-time email passcode

We sent a passcode to michael.tw.lin@gmail.com. You should receive it within 5 minutes.

Passcode (9-digit) [Resend passcode](#)

529717102

[Back](#) [Sign in](#)

[Get help signing in](#)

- Step 1
Enter event access code
- Step 2
Review and join

Review and join

Event details

Name	Start time	Duration	Level
TCC-Bedrock-Dryrun	7/27/2024 03:02 PM	72 hours	300

Description

TCC-Bedrock-Dryrun

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Country or region	Minimum age
All countries or regions not listed below (including the United States, Brazil, the United Kingdom, and India)	13
Canada, China, Republic of Korea (South Korea)	14
Australia	15

catalog.us-east-1.prod.workshops.aws/join

aws workshop studio

Philippines, Thailand, Turkey, and countries in Africa

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Previous

Join event



MGN-Dryrun-20240731[Migrate with AWS Application Migration Service \(MGN\)](#)

- ▶ Getting Started
- ▶ Initial setup
- ▶ Configuration and Deployment
- ▶ Testing and Validation
- ▶ Cutover
- ▶ Finalize Migration and Cleanup

AWS account access[Open AWS console \(us-west-2\)](#) [Get AWS CLI credentials](#)[Get EC2 SSH key](#)**Content preferences**

Language

English

[Exit event](#)[Event dashboard](#) > Migrate with AWS Application Migration Service (MGN)

MGN-Dryrun-20240731

Event information

Start time

7/31/2024 10:37 AM

Duration

72 hours

Accessible regions

us-west-2, us-east-1

Description

MGN-Dryrun-20240731

[Get started >](#)

Workshop

Title

Migrate with AWS Application Migration Service (MGN)

Complexity level

300

AWS services

AWS Application Migration Service

Topics

Migration & Transfer

Description

In this workshop you will learn how to use AWS Application Migration Service (MGN) for lift and shift migrations. This is 300-level 2-hours workshop that covers all major MGN features released in Q1'23. The lab includes two 2-tier applications (Wordpress and Offbiz, 4 servers) and one standalone Windows server, and 3 VPCs (Source/Staging/Target).

MGN-Dryrun-20240731

Console Home | Console Home

us-west-2.console.aws.amazon.com/console/home?region=us-west-2#

aws Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Console Home

Reset to default layout + Add widgets

Recently visited

- EC2
- IAM
- S3
- CloudWatch
- Athena
- Amazon SageMaker
- AWS Glue

View all services

Applications (0)

Create application

Region: US West (Oregon)

us-west-2 (Current Region) Find applications

Name	Description	Region	Originating account
Access denied	Access denied		

Go to myApplications

Welcome to AWS

Getting started with AWS

AWS Health

Cost and usage

Current month costs Cost breakdown

**MGN-Dryrun-
20240731**

Migrate with AWS Application
Migration Service (MGN)

Getting Started

Getting started at an AWS
hosted event

[Connect to Bastion host](#)

▶ Explore your environment

Tips

▶ Initial setup

▶ Configuration and Deployment

▶ Testing and Validation

▶ Cutover

AWS account access

[Open AWS console
\(us-west-2\)](#)

[Get AWS CLI credentials](#)

[Get EC2 SSH key](#)

Content preferences

Language

English

[Event dashboard](#) > [Getting Started](#) > [Connect to Bastion host](#)

Connect to Bastion host

Now that you have access to the AWS account, follow these steps to connect to the Bastion host:

1. On the left side pane of this workshop, find the **AWS account access** section and then choose **Get EC2 SSH Key**. You need to copy the key and use it in the next steps to connect to the Bastion host.

AWS account access

[Open AWS console](#)

[Get AWS CLI credentials](#)

[Get EC2 SSH key](#)

[Exit event](#)



2. To copy the key choose the little copy icon on the right side.

EC2 SSH key



Key name: ws-default-keypair

MGN-Dryrun-20240731

catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US

michael_tw_lin

MGN-Dryrun-20240731

Migrate with AWS Application Migration Service (MGN)

- ▶ Getting Started
- ▶ Initial setup
- ▶ Configuration and Deployment
- ▶ Testing and Validation
- ▶ Cutover
- ▶ Finalize Migration and Cleanup

▼ AWS account access

- [Open AWS console \(us-west-2\)](#)
- [Get AWS CLI credentials](#)
- [Get EC2 SSH key](#)

▼ Content preferences

Language: English

Event dashboard > Migrate with AWS Application Migration Service (MGN)

MGN-Dryrun-20240731

Event information

Start time 7/31/2024 10:37 AM	Duration 72 hours	Accessible regions us-west-2, us-east-1
----------------------------------	----------------------	--

Description
MGN-Dryrun-20240731

Workshop

Title Migrate with AWS Application Migration Service (MGN)	Complexity level 300	AWS services AWS Application Migration Service	Topics Migration & Transfer
---	-------------------------	---	--------------------------------

[Get started >](#)

Description
In this workshop you will learn how to use AWS Application Migration Service (MGN) for lift and shift migrations. This is 300-level 2-hours workshop that covers all major MGN features released in Q1'23. The lab includes two 2-tier applications (Wordpress and Offbiz, 4 servers) and one standalone Windows server, and 3 VPCs (Source/Staging/Target).

Exit event

MGN-Dryrun-
20240731Migrate with AWS Application
Migration Service (MGN)

- ▼ Getting Started
 - Getting started at an AWS hosted event
 - [Connect to Bastion host](#)
 - Explore your environment
 - Tips
- Initial setup
- Configuration and Deployment
- Testing and Validation
- Cutover

▼ AWS account access

[Open AWS console
\(us-west-2\)](#) [Get AWS CLI credentials](#)[Get EC2 SSH key](#)

▼ Content preferences

Language

English

Exit event

EC2 SSH key

Key name: ws-default-keypair

[Download key pair](#)

Fingerprint

ad:d9:0a:c0:b6:19:a6:90:95:0e:d9:1e:9c:87:b6:b5:a4:a9:55:d5



Private key

-----BEGIN RSA PRIVATE KEY-----

```
MIIEpQIBAAKCAQEArvmt2rqZa5hgXWrGPgnTnAsaHzWFW1QQ01oUtBTwpBu7NgAb
Il+0Ipy+jAOpLsIR/5x1y0g7qY+KM24J09D0oQbg305gWcByozRxLizLJfbTurgt
/g9Pt9fQprAOIGIrwAQvcSbc7GKwC0QFYkGVVzWBfAZkcIc11a/vU35FRcS1/Rb
2idymvGLLTtA/pzchepmtDNrJDDprE+AKx9ANvt2HxNBX/DLBStxZyYFbdZ06amA
6FM3iTZRtAvYkaELxTA0iGLUDRGxvCenNFCc0XxpyugB7W7ARZ4XZyxQqI4GAS/H
sBmsWsk9cUrm6SRbr1Pmf1T0IC9o3J5YbYUU1QIDAQABoIBAEJkRJ5g/UPBLpdj
o1L44Y0qhdxfzkm3bcjLQXjiCeMyi1EPz0AntYfSYJvDsTDINTvZhXUYIcHCvZW
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DIG12RAFOF1tvF8gv/ESlnxlZjanPec7vXqRQ1AbteybBvvtZDW5galD90pm07ra
Dy9ZbJYPqcMYn5N3+unJmX+MM15FuM5PdQfrA7kaDxWRRzzRYfrPj8P8UPbc9nTf
2x1o4+UCgYE7br3GwiimIg1UTinHQiKzsUEM0XitJJnzIDSRLVS/HVSYJDA27VI
eC+uBYZV9hNkzN0u/QtOygEwHVnaC3qiVP7eHc6Y8U/59c0vAKx1fLAm5FKSgRdb
TQKyTZJMAjzzYNVyxV2/R3PFF4CL0YMwm0NuvyoZXs/fW0iSI1cnZcCgYEAvGwX
KdCYVBi94FAmiFwY5KIQwHk3MfxvK8yhDj8bbweoDrm/m6d/0iPNHtw+0SFaZAZ
0b13a/EvXxLuSn2pLF7hukqWpZLgY1nyR1nyAEs16xJUV+SbQUB3MnyUwP8i1u94
Uovp2x+jqnSBYcsM45hs6d2IxM++W4XEew09PHMCgYEAp2I9Gou58Cv3XnjFMMwS
UAPoMTHDreBntVX+pj+dbqQsnFFPeWLq47SukrVDUT/WeWhC7WhI0XKEriXVoL94
DOBnBBWzGjV1idwufArxrhlZS0navYn0fwSnBnc7jVfkq0TbR1v7kh0xu1SHHb2
B09D+6Rp7Qoaae79FJhz3YECgYEAm+WTBLXiUzJ1Z8LpHsmUjxbIZXflgyDI0qRs
vcaef7an33ro-i...vo-nctrvmm...mal-2...itppocore...i...t...d...p...o...n...ol
```



You need to copy the key and use

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catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/0-gettingstarted/connect-to-bastion

aws workshop studio

MGN-Dryrun-20240731

Migrate with AWS Application Migration Service (MGN)

Getting Started

- Getting started at an AWS hosted event
- Connect to Bastion host

Explore your environment

- Tips

Initial setup

Configuration and Deployment

Testing and Validation

Cutover

AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

Content preferences

- Language
- English

Exit event

EC2 SSH key

Key name: ws-default-keypair

[Download key pair](#)

Fingerprint

ad:d9:0a:c0:b6:19:a6:90:95:0e:d9:1e:9c:87:b6:b5:a4:a9:55:d5

[Copy](#)

Private key

```
-----BEGIN RSA PRIVATE KEY-----  
MIIEpQIBAAKCAQEArvmt2rqZa5hgXWrGPgnTnASaHzWFW1QQ0loUtBTwpBu7NgAb  
1l+0Ipy+jaQpls1R/5x1y0g7qY+KM24J09D0oQbg305gWcByozRxLizLJfbTurgt  
/g9Pt9fQprAOIGIrwAQvcSbc7GKwC0QFYkGWVzWBfAZkcIc11a/vU35FRcS1/Rb  
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sBmsWsk9cUrm6SRbr1Pmf1TOIC9o3J5YbYUu1QIDAQABoIBAEJkRJ5g/UPBLpdj  
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wzQqF60r8flpQM/tYNiIX0ubXX3L0S15IyJqZuIoBmipFsMc30Lf86xohZ1AGPFW  
tb3Pix80E1Kfd1BTbHQc22YWBvQECpRMyd+032UrMm/qkwcKbprffN4ZT6LfQGGx  
DIG12RAF0F1tvF8gv/ESlnxlZjanPec7vXqRQ1AbteybBvvtZDW5galD90pm07rA  
Dy9ZbJYPqcMYn5N3+unJmX+MM15FuM5PdQfrA7kaDxWRRzZRYfrPj8P8UPbc9nTf  
2x1o4+UCgYEATbr3GwiimIg1UTinHQiKzsUEM0XitJJnzIDSLRVS/HVSYJDA27VI  
eC+uBYZV9hNkzN0u/Qt0ygEwHVnaC3qiVP7eHc6Y8U/59c0vAKx1fLAm5FKSgRdb  
TQKyTZJMAjzZYNVyxxV2/R3PFF4CL0YMwm0NuvyoZXs/fW0iSI1cnZcCgYEAvGwX  
KdCYVBi94FAmiFwY5KIQwHk3MfxVxK8yhDj8bbwweoDrm/m6d/0iPNHtw+0SFaZAZ  
0b13a/EvXxLuSn2pLF7hukqWpZLgY1nyR1nyAEs16xJUV+SbQUB3MnyUwP8i1u94  
Uovp2x+jqnSBYcsM45hs6d2IxM++W4XEew09PHMCgYEAp2I9Gou58Cv3XnjFMWwS  
UAPoMTHDreBntVX+pj+dbqQsnFFPeWLq47SukrVDUT/WeWhC7WhI0XKEriXVoL94  
DOBnBBWzGjV1idwufArxrhlZS0navYn0fwSnBnc7jVfKtq0TbRlv7kh0xu1SHhb2  
B09D+6Rp7Qoaae79FJhz3YEcgYEAm+WTBLXiUzJ1Z8LpHsmUjxbIZXflgyDI0qRs  
x...  
-----END RSA PRIVATE KEY-----
```

[Copy](#)

You need to copy the key and use

ws-default-keypair.pem

1,678 B • Done

Red arrow pointing to the 'ws-default-keypair.pem' file in the download panel.

us-west-2.console.aws.amazon.com/console/home?region=us-west-2#

Services

EC2 VPC

Search results for 'ec2'

Services (13)

Features (59)

Resources New

Documentation (30,461)

Knowledge Articles (616)

Marketplace (3,841)

Blogs (2,190)

Events (32)

Tutorials (19)

EC2 Virtual Servers in the Cloud

EC2 Image Builder A managed service to automate build, customize and deploy OS images

Recycle Bin Protect resources from accidental deletion

See all 13 results ▶

Features (59)

Dashboard EC2 feature

EC2 Instances CloudWatch feature

AMIs EC2 feature

See all 59 results ▶

Default layout + Add widgets

Create application

Originating account

WSParticipantRole/Participant @ 7246-2824-4583

Console

Welcome

Resources / for a focused search



Services

Search [Option+S]



Oregon

WSParticipantRole/Participant @ 7246-2824-4583



EC2



VPC



RDS



Support



Amazon SageMaker



AWS DeepRacer



CloudFormation

EC2 Dashboard

EC2 Global View

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Instances

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Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Network & Security

Security Groups

Resources

EC2 Global View



You are using the following Amazon EC2 resources in the US West (Oregon) Region:

Instances (running)

7

Auto Scaling Groups

0

Dedicated Hosts

0

Elastic IPs

3

Instances

7

Key pairs

1

Load balancers

0

Placement groups

0

Security groups

16

Snapshots

0

Volumes

7

Launch instance

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

Launch instance

Migrate a server

Note: Your instances will launch in the US West (Oregon) Region

Service health

AWS Health Dashboard



An error occurred

An error occurred retrieving service health information

Diagnose with Amazon Q

Account attributes

Default VPC

vpc-97989bef

Settings

Data protection and security

Zones

EC2 Serial Console

Default credit specification

EC2 console preferences

Explore AWS

Amazon GuardDuty Malware Protection

GuardDuty now provides agentless malware detection in Amazon EC2 & EC2 container workloads. [Learn more](#)

10 Things You Can Do Today to Reduce AWS Costs

Explore how to effectively manage your AWS costs without compromising on performance or capacity. [Learn more](#)

Enable Best Price-Performance with AWS

MGN-Dryrun-20240731

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:instanceState=running

Services

Search [Option+S]

Oregon

WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

EC2 Dashboard

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Capacity Reservations

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Lifecycle Manager

Network & Security

Instances (7) Info

Find Instance by attribute or tag (case-sensitive)

All states

Instance state = running

Clear filters

Launch instances

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	MID-Bastion	i-0723fcba4d1a26aaaf	Running	c4.large	2/2 checks passed	View alarms +	us-west-2a
<input type="checkbox"/>	MID-Wordpres...	i-03890da4b17afc026	Running	t3.small	2/2 checks passed	View alarms +	us-west-2a
<input type="checkbox"/>	MID-OnPrem...	i-03b9f5bb60be36c62	Running	t3.small	2/2 checks passed	View alarms +	us-west-2a
<input type="checkbox"/>	MID-Wordpres...	i-0fcf84d613f8906fc	Running	t3.small	2/2 checks passed	View alarms +	us-west-2a
<input type="checkbox"/>	DO-NOT-TOU...	i-0e501a9840053c25f	Running	t3.micro	2/2 checks passed	View alarms +	us-west-2a
<input type="checkbox"/>	MID_OEBiz_WEB	i-0c1e1e16850f007c2	Running	t2 medium	2/2 checks passed	View alarms +	us-west-2a

Select an instance

MGN-Dryrun-20240731 Instances | EC2 | us-west-2 us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:

Services Search [Option+S] Oregon WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

EC2 Dashboard EC2 Global View Events Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations

Images AMIs AMI Catalog

Elastic Block Store Volumes Snapshots Lifecycle Manager

Network & Security

Instances (1/7) Info

Find Instance by attribute or tag (case-sensitive) All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input checked="" type="checkbox"/> MID-Bastion	i-0723fcba4d1a26aaf	Running	c4.large	2/2 checks passed	View alarms +	us-west-2a
<input type="checkbox"/> MID-Wordpres...	i-03890da4b17afc026	Running	t3.small	2/2 checks passed	View alarms +	us-west-2a
<input type="checkbox"/> MID-OnPrem...	i-03b9f5bb60be36c62	Running	t3.small	2/2 checks passed	View alarms +	us-west-2a
<input type="checkbox"/> MID-Wordpres...	i-0fcf84d613f8906fc	Running	t3.small	2/2 checks passed	View alarms +	us-west-2a
<input type="checkbox"/> DO-NOT-TOU...	i-0e501a9840053c25f	Running	t3.micro	2/2 checks passed	View alarms +	us-west-2a
<input type="checkbox"/> MID-OFBiz-WEB	i-0c1e1e46850f007c2	Running	t3.medium	2/2 checks passed	View alarms +	us-west-2a
<input type="checkbox"/> MID-OFBiz-DB	i-0c3be61e4b0a40d05	Running	t3.small	2/2 checks passed	View alarms +	us-west-2a

i-0723fcba4d1a26aaf (MID-Bastion)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary

Instance ID i-0723fcba4d1a26aaf (MID-Bastion)	Public IPv4 address 54.212.112.162 open address	Private IPv4 addresses 192.168.0.47
IPv6 address -	Instance state Running	Public IPv4 DNS ec2-54-212-112-162.us-west-2.compute.amazonaws.com open address

MGN-Dryrun-20240731 Instances | EC2 | us-west-2 us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:

aws Services Search [Option+S] Oregon WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

EC2 Dashboard EC2 Global View Events Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations Images AMIs AMI Catalog Elastic Block Store Volumes Snapshots Lifecycle Manager Network & Security

Instances (1/7) Info Connect Instance state Actions Launch instances

Find Instance by attribute or tag (case-sensitive) All states

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input checked="" type="checkbox"/> MID-Bastion	i-0723fcba4d1a26aaf	Running	c4.large	2/2 checks passed	View alarms +	us-west-2a
<input type="checkbox"/> MID-Wordpres...	i-03890da4b17afc026	Running	t3.small	2/2 checks passed	View alarms +	us-west-2a
<input type="checkbox"/> MID-OnPrem...	i-03b9f5bb60be36c62	Running	t3.small	2/2 checks passed	View alarms +	us-west-2a
<input type="checkbox"/> MID-Wordpres...	i-0fcf84d613f8906fc	Running	t3.small	2/2 checks passed	View alarms +	us-west-2a
<input type="checkbox"/> DO-NOT-TOU...	i-0e501a9840053c25f	Running	t3.micro	2/2 checks passed	View alarms +	us-west-2a
<input type="checkbox"/> MID-OFBiz-WEB	i-0c1e1e46850f007c2	Running	t3.medium	2/2 checks passed	View alarms +	us-west-2a
<input type="checkbox"/> MID-OFBiz-DB	i-0c3be61e4b0a40d05	Running	t3.small	2/2 checks passed	View alarms +	us-west-2a

i-0723fcba4d1a26aaf (MID-Bastion)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0723fcba4d1a26aaf (MID-Bastion)	54.212.112.162 open address	192.168.0.47
IPv6 address	Instance state	Public IPv4 DNS
-	Running	ec2-54-212-112-162.us-west-2.compute.amazonaws.com open address



T Paused

Relaunch to update

aws

Services

Search

[Alt+S]



N. Virginia

Admin/linmicht-Isengard @ 0947-8459-0684



EC2 > Instances > i-09b94ed3f2c54c1ae > Connect to instance

Connect to instance Info

Connect to your instance i-09b94ed3f2c54c1ae (Windows Demo) using any of these options

Session Manager

RDP client

Serial console

Session Manager usage:

- Connect to your instance without SSH keys, a bastion host, or opening any inbound ports.
- Sessions are secured using an AWS Key Management Service key.
- You can log session commands and details in an Amazon S3 bucket or CloudWatch Logs log group.
- Configure sessions on the Session Manager [Preferences](#) page.

Cancel

Connect



Connect to instance Info

Connect to your instance i-09b94ed3f2c54c1ae (Windows Demo) using any of these options

Session Manager **RDP client** EC2 serial console

Instance ID
[i-09b94ed3f2c54c1ae \(Windows Demo\)](#)

Connection Type

Connect using RDP client
Download a file to use with your RDP client and retrieve your password.

Connect using Fleet Manager 
Connect to your instance using Fleet Manager Remote Desktop.

You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:

[Download remote desktop file](#)

When prompted, connect to your instance using the following username and password:

Public DNS
[ec2-34-234-96-54.compute-1.amazonaws.com](#)

Username Info
[Administrator](#)

Password [Get password](#)

If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.



Connect to instance Info

Connect to your instance i-09b94ed3f2c54c1ae (Windows Demo) using any of these options

Session Manager RDP client **RDP client** EC2 serial console

Instance ID
[i-09b94ed3f2c54c1ae \(Windows Demo\)](#)

Connection Type

Connect using RDP client
Download a file to use with your RDP client and retrieve your password.

Connect using Fleet Manager
Connect to your instance using Fleet Manager Remote Desktop.

When prompted, connect to your instance using the following username and password:

Username Info
[Administrator](#)

Password [Get password](#) 

[Fleet Manager Remote Desktop](#)

ⓘ If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

← → C H us-east-1.console.aws.amazon.com/systems-manager/fleet-manager/remote-desktop?nodeIds=i-09b94ed3f2c54c1ae®ion=us-east-1... 🔍 ⭐ | Paused | Relaunch to update :

aws Services Search [Alt+S] | ☰ | 🔔 | ⓘ | N. Virginia | Admin/linmicht-lsengard @ 0947-8459-0684 | ☰

Systems Manager > Fleet Manager > Remote desktop

Remote Desktop

Add new connections

You can connect to a maximum of 4 nodes in this view.

▶ Windows Demo
i-09b94ed3f2c54c1ae Close

Authentication type
The type of authentication to use when connecting to the node. [Learn more](#)

User credentials
Username and password.

Key pair
Connect as Administrator using EC2 key pair.

Administrator account name
The default administrator account name might vary based on your locale.

Administrator

Key pair
Key pair associated with the instance
virginia

Key pair content
Select a method for uploading the key pair content.

Browse your local machine to select the key pair file.
The private key file content is automatically uploaded to your browser.

Paste key pair content
Copy and paste the key pair content into the field below.

Choose file ←

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Open

This PC > UserProfile (D:) > Downloads > AWS_KEYS

Organize New folder

	Name	Date modified	Type	Size
Desktop				
Documents				
Downloads				
Music				
Pictures				
Videos				
Local Disk (C:)				
UserProfile (D:)				
BaiduNetdiskD				
c574c0dae6ef4				
Downloads	virginia.pem	5/2/2022 2:16 PM	PEM File	2 KB
git-secrets				
HCo_Operator				
Users				

File name: virginia.pem

Custom Files (*.pem;*.ppk)

Open Cancel

2024 - Work 1... Paused Relaunch to update

N. Virginia Admin/linmicht-lsengard @ 0947-8459-0684

Add new connections Close

Administrator

Key pair
Key pair associated with the instance
virginia

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Copy and paste the key pair content into the field below.

Choose file

▶ Windows Demo
i-09b94ed3f2c54c1ae Close

Authentication type
The type of authentication to use when connecting to the node. [Learn more](#)

User credentials
Username and password.

Key pair
Connect as Administrator using EC2 key pair.

Administrator account name
The default administrator account name might vary based on your locale.

Administrator

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virginia

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Select a method for uploading the key pair content.

Browse your local machine to select the key pair file.
The private key file content is automatically uploaded to your browser.

Paste key pair content
Copy and paste the key pair content into the field below.

 Choose file

Must be an RSA key pair.

virginia.pem X

Connect ←

w Services Search [Alt+S]

Recycle Bin

EC2 Feedback

EC2 Micros...

Microsoft Edge

Hostname: EC2AMAZ-A5K02BT
Instance ID: i-09b94ed3f2c54c1ae
Private IPv4 address: 172.31.26.137
Public IPv4 address: 34.234.96.54
Instance size: t3.medium
Availability Zone: us-east-1d
Architecture: AMD64
Total memory: 4096
Network: Up to 5 Gigabit

CloudShell Feedback

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MGN-Dryrun-
20240731Migrate with AWS Application
Migration Service (MGN)

Getting Started

Getting started at an AWS
hosted event

Connect to Bastion host

Explore your environment

[Architectural reference](#)

Explore your environment

Tips

Initial setup

Configuration and Deployment

AWS account access

Open AWS console
(us-west-2)

Get AWS CLI credentials

Get EC2 SSH key

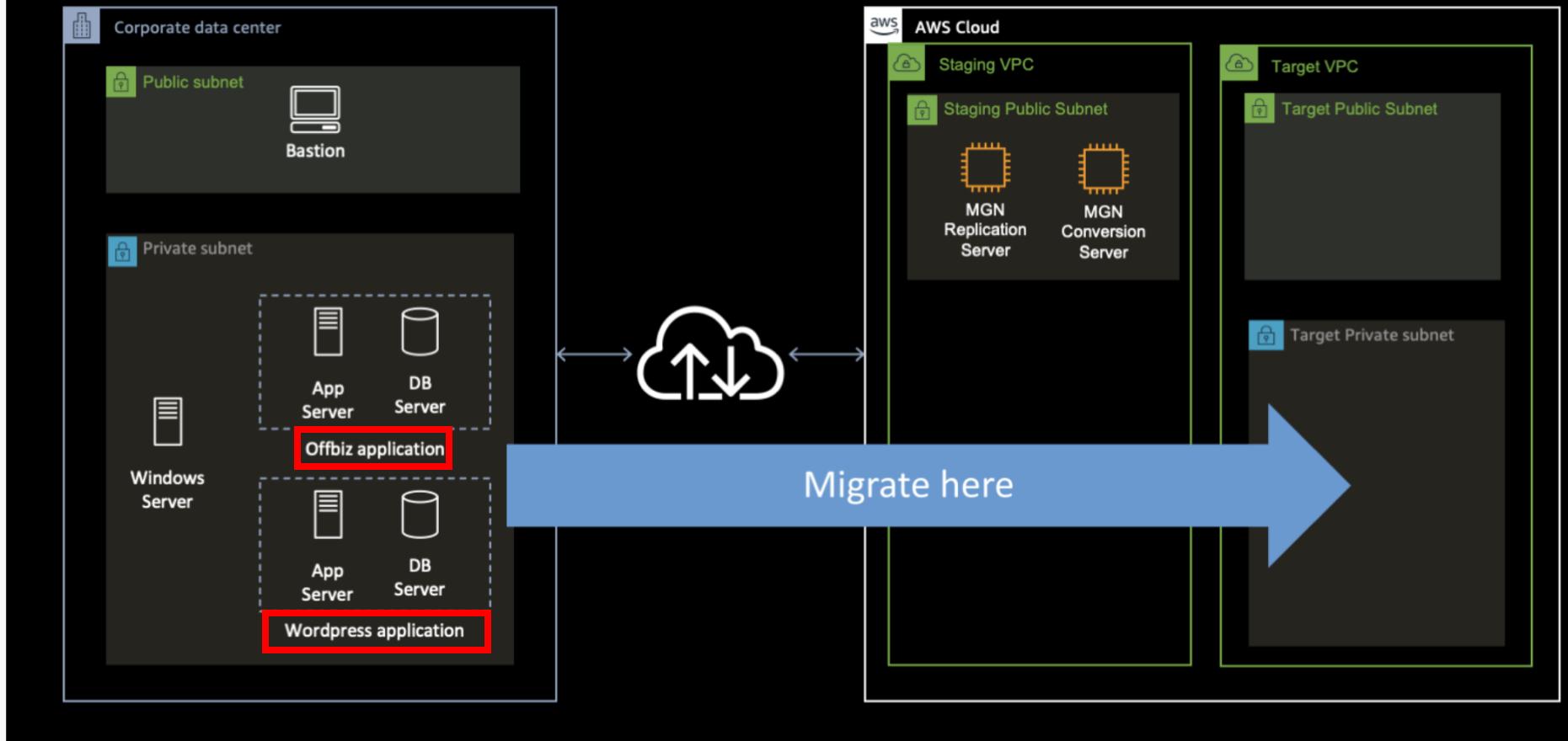
Content preferences

Language

English

Exit event

Lab architecture reference



We will migrate 7 servers (2 Linux and 1 Windows) from the "on-premises" emulated source environment to AWS.

MGN-Dryrun- 20240731

Migrate with AWS Application
Migration Service (MGN)

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(us-west-2)

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Get EC2 SSH key

Content preferences

Language

English

[Event dashboard](#) > [Getting Started](#) > [Explore your environment](#) > [Explore your environment](#)

Explore your environment

The current production environment running on-premises is comprised of 2 servers as part of a single application:

Application	Hostname	FQDN	OS	Platform
WordPress	wordpress-web	wordpress-web.onpremsim.env	Centos7	Apache+PHP
WordPress	wordpress-db	wordpress-db.onpremsim.env	Centos7	MariaDB

All the commands listed on this guide should be executed from INSIDE the Bastion host.

1. Test the application we're going to migrate. In the **Bastion Host**, open the following URL using the **Chrome** browser.

We recommend that you use the Chrome browser in this lab. Internet Explorer browser requires additional configurations that would take extra time during the lab.

Application	URL

MGN-Dryrun- 20240731



Migrate with AWS Application
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► Initial setup

► Configuration and Deployment

▼ AWS account access

Open AWS console
(us-west-2)

Get AWS CLI credentials

Get EC2 SSH key

▼ Content preferences

Language

English



Exit event

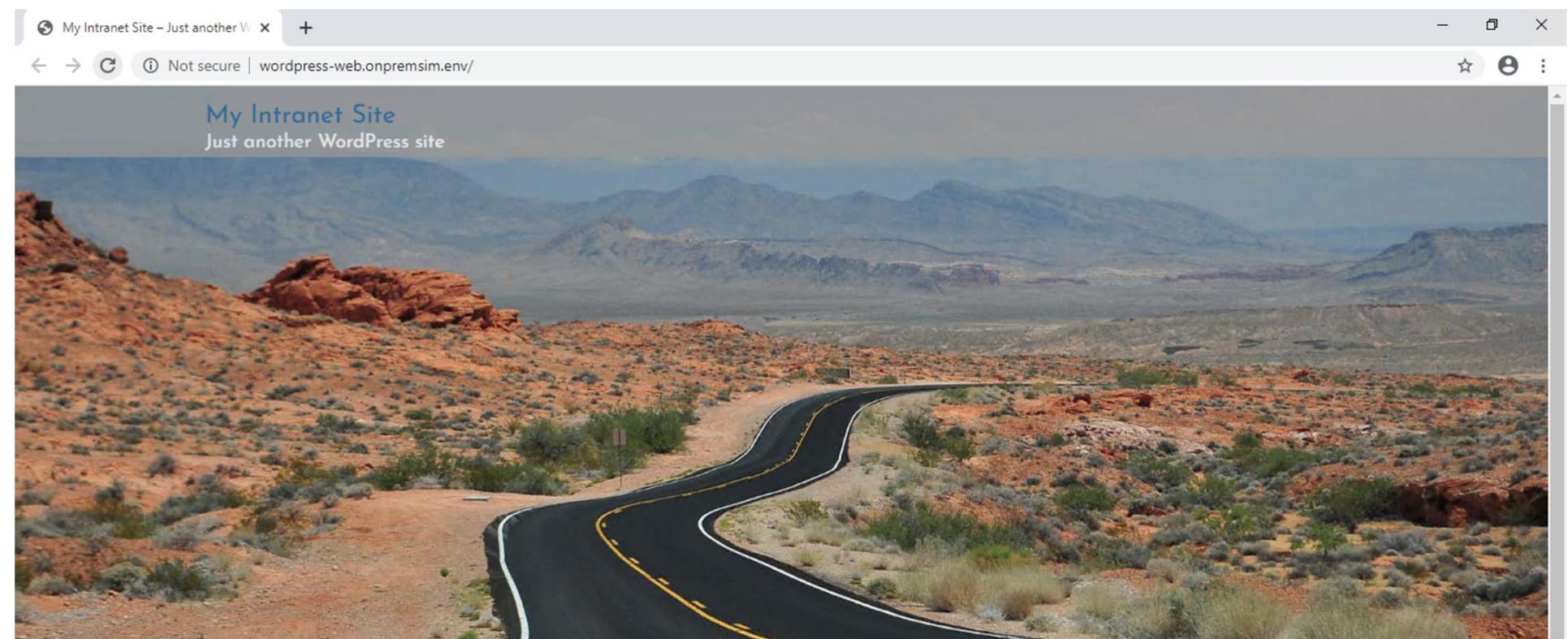
You can copy that URL from the field below:

`http://wordpress-web.onpremsim.env/`

Copied!



2. You should be able to load the WordPress site:



New Tab x +

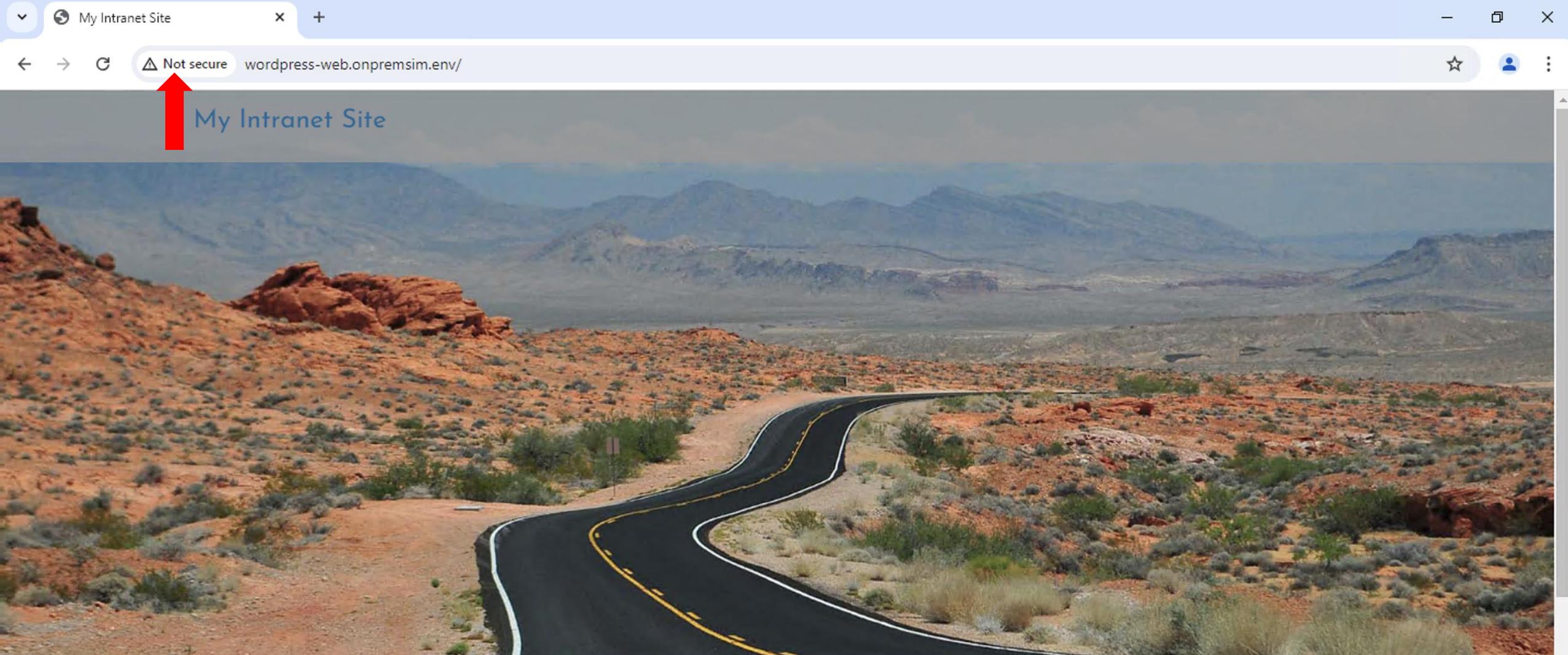
http://wordpress-web.onpremsim.env/ |
http://wordpress-web.onpremsim.env
http://wordpress-web.onpremsim.env - Google Search

Google

Search Google or type a URL

Web Store Add shortcut

This screenshot shows the Microsoft Edge browser interface. At the top, there's a tab bar with three tabs: 'New Tab' (selected), 'http://wordpress-web.onpremsim.env/' (highlighted in blue), and 'http://wordpress-web.onpremsim.env - Google Search'. Below the tabs is the main content area, which displays the Google homepage with its iconic logo. A search bar at the top of the page contains the placeholder 'Search Google or type a URL'. Below the search bar are two buttons: 'Web Store' (with a grey icon) and 'Add shortcut' (with a blue plus sign icon). The overall layout is clean and follows the standard design of the Microsoft Edge browser.



MIGRATION IMMERSION DAY

31 JUL comment

2024

ion Immersion Day

We are migrating our internal servers to AWS!

MGN Lab Steps

- Configure AWS MGN Service
- Configure Default Target Templates
- Create AWS Replication Agent IAM User
- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves
- Launch Test Instance
- Validate Test Instances
- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications
- Finalize cutover and Archive Servers



MGN-Dryrun-20240731 Instances | EC2 | us-west-2 catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/1-initial-setup/1-configure-mgn-replication-settings

aws workshop studio michael_tw_lin

MGN-Dryrun-20240731

Migrate with AWS Application Migration Service (MGN)

▶ Getting Started

▼ Initial setup

- Configure AWS MGN Service
- Configure Default Target Templates
- Create AWS Replication Agent IAM User

▶ Configuration and Deployment

▶ Testing and Validation

▼ Cutover

▼ AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

▼ Content preferences

Language English

Event dashboard > Initial setup > Configure AWS MGN Service

Configure AWS MGN Service

Application Migration Service must be initialized upon first use in each AWS Account and Region where replication will need to happen. The first step is to create the Replication Settings template, then the service is initialized by creating the IAM Roles which are required for the service to work.

Application Migration Service can only be initialized by the Admin user of your AWS Account.

► The following IAM roles will be created during AWS MGN initialization

Replication Settings determine how data will be replicated from your source servers to AWS. Your Replication Settings are governed by the Replication Settings template, which you must configure before adding your source servers to Application Migration Service.

You can later **edit** the Replication Settings template at any point. The settings configured in the Replication Settings template are then transferred to each newly added server. You can also edit the Replication Settings for each server after the servers have been added to Application Migration Service.

1. Choose **Get started** on AWS Application Migration Service console



- EC2 Dashboard
- EC2 Global View
- Events
- Instances
 - Instances
 - Instance Types
 - Launch Templates
 - Spot Requests
 - Savings Plans
 - Reserved Instances
 - Dedicated Hosts
 - Capacity Reservations
- Images
 - AMIs
 - AMI Catalog
- Elastic Block Store
 - Volumes
 - Snapshots
 - Lifecycle Manager
- Network & Security
 - Security Groups
 - CloudWatch Metrics

Search results for 'MGN'

Services

AWS Application Migration Service ☆
AWS Application Migration Service (MGN) automates lift-and-shift migration.

AWS Migration Hub ☆
Simplify and accelerate the migration of your data centers to AWS

Features

Create an AS2 server
 AWS Transfer Family feature

Resources

/ for a focused search

Introducing resource search
To search for resources, Resource Explorer must be active in at least one AWS Region and you must have permission to use the default view in the account. [Learn more](#)

[Dismiss](#)

Documentation

MGN Connectors ↗
[User Guide](#)

See all 1,057 results ▶

Actions	Launch instances	▼
View alarms +	us-west-2a	▼
View alarms +	us-west-2a	▼
View alarms +	us-west-2a	▼
View alarms +	us-west-2a	▼
View alarms +	us-west-2a	▼
View alarms +	us-west-2a	▼
View alarms +	us-west-2a	▼
View alarms +	us-west-2a	▼

4 addresses	68.0.47
4 DNS	
2-112-162.us-west-2.compute.amazonaws.com	ress ↗

aws

Services

Search [Option+S]



EC2



VPC



RDS



S3



Support



Amazon SageMaker



AWS DeepRacer



CloudFormation



Oregon ▾

WSParticipantRole/Participant @ 7246-2824-4583 ▾

Migration & Transfer

AWS Application Migration Service

Simplify and accelerate migrations to AWS

The easiest and quickest way to migrate your virtual, physical, or cloud-based servers to AWS, with minimal business disruption.

How it works



Install Agent

Install AWS Replication Agent on your source servers (manual or unattended installation). No reboot required.

Start migrating

Start migrating your servers to AWS within minutes.

[Get started](#)

Pricing

AWS MGN is free for the first 90 days (2,160 hours), for each server being migrated.

If you exceed the free period for any server, you will be billed \$0.042 per hour for that server.

MGN-Dryrun-20240731

Set up Application Migration Service

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/setup

Services

Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service > Set up Application Migration Service

Set up Application Migration Service

Service initialization

In order to use Application Migration Service in this region, the service must first be initialized by an Admin user of the AWS account. Once the service is initialized, you can modify the default service templates on the Settings page.

By continuing, you are allowing application Migration Service to create all the IAM roles required to facilitate data replication and the launching of migrated servers. [Learn more](#)

[View roles](#)

[Cancel](#) [Set up service](#)



MGN-Dryrun-20240731

Active source servers | AWS

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

AWS Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service

Default templates created

Every time you add a source server to Application Migration Service, its Replication settings, Launch settings and Post-launch action settings are initialized based on default templates. You can edit the default templates in the Settings page.

The next step to setting up Application Migration Service is adding your source servers by installing the AWS Replication agent on them.

Servers

Source servers Applications Waves Global view Launch history MGN connectors Import and Export Import Export Settings Replication template Launch template Post-launch template User preferences AWS Migration Hub Documentation

Learn more

Application Migration Service > Active source servers

Show 'How it works' Show 'Migration metrics'

Windows Migration Accelerator (WMA) Program

If you are migrating 40 or more servers per month (including at least 15 Windows servers), you may qualify for up to \$250 credit per server by joining the WMA program. [Learn more](#)

Migration tip #1

It's important to test launch your servers in AWS at least two weeks before the cutover. Testing is non-disruptive. [Learn more](#)

Hide future tips

How it works

Setup service Import inventory - optional Replicate to AWS Test Cutover

The screenshot shows the AWS Application Migration Service console. On the left, a sidebar lists various navigation options like Source servers, Applications, Waves, and Settings. A prominent green banner at the top right provides instructions for creating default templates. Below the banner, the main content area shows a breadcrumb trail (Application Migration Service > Active source servers) and two informational boxes: one about the Windows Migration Accelerator program and another about migration tips. At the bottom, a section titled "How it works" is displayed with five icons representing the stages of the migration process: Setup service, Import inventory - optional, Replicate to AWS, Test, and Cutover.

MGN Lab Steps

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MGN-Dryrun-20240731 Instances | EC2 | us-west-2 catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/1-initial-setup/2-configure-default-target-templates New Chrome available

aws workshop studio michael_tw_lin

Getting Started

- Getting started at an AWS hosted event
- Connect to Bastion host

Explore your environment

- Architectural reference
- Explore your environment

Tips

Initial setup

- Configure AWS MGN Service
- Configure Default Target Templates** 
- Create AWS Replication Agent
- IAM User

Configuration and Deployment

- Install the AWS Replication

AWS account access

- Open AWS console (us-west-2) 
- Get AWS CLI credentials
- Get EC2 SSH key

Content preferences

- Language English

Event dashboard > Initial setup > Configure Default Target Templates

Configure Default Target Templates

AWS MGN allows to set up **default templates** for *target instances* configuration, both for [Launch Templates](#) and [Post-Launch templates](#). These templates will be applied to *every new server* added to the AWS MGN list of source servers, which happens *after* the [AWS Replication Agent](#) is installed on the source server.

 The settings defined in the default templates will be *copied over* to each of these newly added source servers' individual configurations, and can later be *changed individually* on a per-server basis. The settings from default templates *will NOT be applied* to already existing and replicating servers, and changing these default templates will not affect any existing individual configurations on a per-server basis.

 Make sure to configure both templates:

1. "Launch template" to define future configuration of target instances
2. "Post-launch template" to define automation actions triggered after the instances are successfully launched on AWS

1. Define default target instances configuration - 'Launch Template'

AWS MGN uses an [EC2 Launch Template](#) to define the configuration of the **target EC2 instances** to be launched during the test and cutover migration stages.

1. Go to the [AWS Application Migration Service](#) console, and choose **Launch template** under **Settings** menu on the left-hand side



Services

Search

[Option+S]



Oregon

WSPParticipantRole/Participant @ 3734-0331-7721



Application Migration Service

Servers

Source servers

Applications

Waves

Global view

Launch history

MGN connectors

▼ Import and Export

Import

Export

▼ Settings

Replication template 

Launch template

Post-launch template

User preferences

AWS Migration Hub Documentation [Application Migration Service](#) > [Replication template](#)

Replication template

Source servers added to this console have replication settings that control how data is sent from the source server to AWS. These settings are created automatically based on this template, and can be modified at any time for any source server or group of source servers. The defaults can be modified at any time.

 Changes made to the templates will only be applied to newly added servers.

[Reinitialize service permissions](#)[Edit](#)

Replication server configuration

Subnet

subnet-09602a49af8c8e95c

Replication Server instance type

t3.small

Volumes

EBS volume type (for replicating disks over 500 GiB)

Faster, General Purpose SSD (gp3)

EBS encryption

Default

Security groups

aws

Services

Search

[Option+S]



Oregon ▾

WSParticipantRole/Participant @ 3734-0331-7721 ▾



Support

Application Migration Service

Servers

[Source servers](#)[Applications](#)[Waves](#)[Global view](#)[Launch history](#)[MGN connectors](#)[▼ Import and Export](#)[Import](#)[Export](#)[▼ Settings](#)[Replication template](#)[Launch template](#)[Post-launch template](#)[User preferences](#)[AWS Migration Hub](#)[Documentation](#)[Application Migration Service](#) > [Replication template](#)

Replication template

Source servers added to this console have replication settings that control how data is sent from the source server to AWS. These settings are created automatically based on this template, and can be modified at any time for any source server or group of source servers. The defaults can be modified at any time.

Changes made to the templates will only be applied to newly added servers.

[Reinitialize service permissions](#)[Edit](#)

Replication server configuration Info

[Subnet](#)

subnet-09602a49af8c8e95c

[Replication Server instance type](#)

t3.small

Volumes Info

[EBS volume type \(for replicating disks over 500 GiB\)](#)

Faster, General Purpose SSD (gp3)

[EBS encryption](#)

Default

Security groups Info

MGN-Dryrun-20240731

Edit replication template | AW

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editReplicationTemplate

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service > Replication template > Edit replication template

Edit replication template Info

Source servers added to this console have replication settings that control how data is sent from the source server to AWS. These settings are created automatically based on this template, and can be modified at any time for any source server or group of source servers. The defaults can be modified at any time. Changes made to defaults will only affect newly added servers.

Replication server configuration Info

Replication servers are lightweight EC2 instances launched by Application Migration Service to facilitate the transfer of blocks of data from the disks on your source servers to AWS.

Staging area subnet

The staging area subnet is the subnet within which replication servers and conversion servers are launched. By default, Application Migration Service will use the default subnet on your AWS Account.

subnet-8766faff
vpc-97989bef

A red arrow points to the downward arrow icon next to the subnet ID.

Replication Server instance type

The replication server instance type is the default EC2 instance type to use for replication servers. The recommended best practice is to not change the replication server instance type unless there is a business need to do so.

t3.small

MGN-Dryrun-20240731

Edit replication template | AW

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editReplicationTemplate

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

TargetPrivateDB
vpc-017416dab3546885c

SourcePrivate
vpc-037e8cd2abd255064

StagingPrivate
vpc-0f9ecc4f98dc1c3a4

subnet-8766faff
vpc-97989bef

TargetPrivate
vpc-017416dab3546885c

SourcePublic
vpc-037e8cd2abd255064

TargetPublic
vpc-017416dab3546885c

StagingPublic
vpc-0f9ecc4f98dc1c3a4

subnet-a6af16ec
vpc-97989bef

subnet-18b95f32

StagingPublic
vpc-0f9ecc4f98dc1c3a4

Replication Server instance type

The replication server instance type is the default EC2 instance type to use for replication servers. The recommended best practice is to not change the replication server instance type unless there is a business need to do so.

t3.small

from the source server to AWS.
time for any source server or
will only affect newly added

ice to facilitate the transfer of

default, Application

A screenshot of the AWS Management Console for MGN (AWS Global Accelerator). The user is editing a replication template. In the top navigation bar, the URL is 'us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editReplicationTemplate'. The left sidebar shows various AWS services like EC2, VPC, RDS, S3, and CloudFormation. The main content area displays a list of replication configurations, each consisting of a name and a VPC ID. A dropdown menu is open over the 'StagingPublic' entry, showing options like 'TargetPrivateDB', 'SourcePrivate', 'StagingPrivate', etc. A red arrow points from a warning message about replication server instance types to this dropdown. A red circle with an exclamation mark is overlaid on the dropdown menu. Below the dropdown, there's a section titled 'Replication Server instance type' with a note about best practices and a dropdown menu set to 't3.small'.

MGN-Dryrun-20240731

Edit replication template | AW

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editReplicationTemplate

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service > Replication template > Edit replication template

Edit replication template Info

Source servers added to this console have replication settings that control how data is sent from the source server to AWS. These settings are created automatically based on this template, and can be modified at any time for any source server or group of source servers. The defaults can be modified at any time. Changes made to defaults will only affect newly added servers.

Replication server configuration Info

Replication servers are lightweight EC2 instances launched by Application Migration Service to facilitate the transfer of blocks of data from the disks on your source servers to AWS.

Staging area subnet

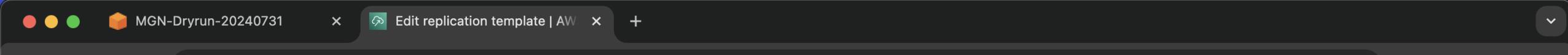
The staging area subnet is the subnet within which replication servers and conversion servers are launched. By default, Application Migration Service will use the default subnet on your AWS Account.

StagingPublic
vpc-0f9ecc4f98dc1c3a4

Replication Server instance type

The replication server instance type is the default EC2 instance type to use for replication servers. The recommended best practice is to not change the replication server instance type unless there is a business need to do so.

t3.small



aws

Services

Search [Option+S]

EC2

VPC

RDS

S3

Support

Amazon SageMaker

AWS DeepRacer

CloudFormation



Oregon ▾

WSParticipantRole/Participant @ 7246-2824-4583 ▾



Volumes Info

For each disk on an added source server there is an identically-sized EBS volume attached to a replication server, and each replication server can handle replication of disks from multiple source servers.

EBS volume type (for replicating disks over 500GiB)

The default EBS Volume type to be used by the replication servers.

Faster, General Purpose SSD (gp3) ▾

EBS encryption

This option will encrypt your replicated data at rest on the staging area subnet disks and the replicated disks.

Default ▾

Security groups Info

A security group acts as a virtual firewall, which controls the inbound and outbound traffic of the staging area. The best practice is to have Application Migration Service automatically attach and monitor the default Application Migration Service security group. This group opens inbound TCP Port 1500 for receiving the transferred replicated data.

Always use Application Migration Service security group

Additional security groups

Select additional security groups ▾

MGN-Dryrun-20240731

Edit replication template | AW

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editReplicationTemplate

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Security groups Info

A security group acts as a virtual firewall, which controls the inbound and outbound traffic of the staging area. The best practice is to have Application Migration Service automatically attach and monitor the default Application Migration Service security group. This group opens inbound TCP Port 1500 for receiving the transferred replicated data.

Always use Application Migration Service security group

Additional security groups

Select additional security groups ▾

Data routing and throttling Info

This setting controls how data flows from the external server to the replication servers. If you choose not to use a private IP, your replication servers will be automatically assigned a public IP and data will flow over the public internet.

 Create public IP

Use private IP for data replication (VPN, DirectConnect, VPC peering, etc.)

Create public IP, and use Private IP for data replication (VPN, DirectConnect, VPC peering, etc.)

Throttle network bandwidth (per server - in Mbps)

MGN-Dryrun-20240731

Edit replication template | AW

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editReplicationTemplate

AWS Services Search [Option+S] Oregon WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Always use Application Migration Service security group

Additional security groups Select additional security groups ▾

Data routing and throttling Info

This setting controls how data flows from the external server to the replication servers. If you choose not to use a private IP, your replication servers will be automatically assigned a public IP and data will flow over the public internet.

Create public IP
 Use private IP for data replication (VPN, DirectConnect, VPC peering, etc.)
 Create public IP, and use Private IP for data replication (VPN, DirectConnect, VPC peering, etc.)
 Throttle network bandwidth (per server - in Mbps)

Replication resources tags Info

Add new tag 

You can add up to 50 more tags.

MGN-Dryrun-20240731

Edit replication template | AW

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editReplicationTemplate

AWS Services Search [Option+S] Oregon WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Always use Application Migration Service security group

Additional security groups Select additional security groups ▾

Data routing and throttling Info

This setting controls how data flows from the external server to the replication servers. If you choose not to use a private IP, your replication servers will be automatically assigned a public IP and data will flow over the public internet.

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 Create public IP, and use Private IP for data replication (VPN, DirectConnect, VPC peering, etc.)
 Throttle network bandwidth (per server - in Mbps)

Replication resources tags Info

Key	Value - optional
<input type="text"/> Enter key	<input type="text"/> Enter value
Custom tag key	<input type="button" value="Remove"/>

Add new tag

MGN-Dryrun-20240731

Edit replication template | AW

catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/1-initial-setup/1-configure-mgn-replication-settings

aws workshop studio

michael_tw_lin

MGN-Dryrun-20240731

Migrate with AWS Application Migration Service (MGN)

▶ Getting Started

▼ Initial setup

- Configure AWS MGN Service
- Configure Default Target Templates
- Create AWS Replication Agent IAM User

▶ Configuration and Deployment

▶ Testing and Validation

▼ Cutover

▼ AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

▼ Content preferences

Language

English

Environment

add tag value: Migration-Staging:

Migration-Staging

Replication resources tags

Key	Value - optional
<input type="text" value="Environment"/>	<input type="text" value="Migration-Staging"/>

Add new tag

You can add up to 49 more tags.

This will allow to **control the cost** of any temporarily resources created by AWS MGN during the migration process in the Staging area.

Choose **Save template** to finalize the Replication Settings template configuration

MGN-Dryrun-20240731

Edit replication template | AW

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editReplicationTemplate

AWS Services Search [Option+S] Oregon WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Additional security groups Select additional security groups

Data routing and throttling Info

This setting controls how data flows from the external server to the replication servers. If you choose not to use a private IP, your replication servers will be automatically assigned a public IP and data will flow over the public internet.

Create public IP
 Use private IP for data replication (VPN, DirectConnect, VPC peering, etc.)
 Create public IP, and use Private IP for data replication (VPN, DirectConnect, VPC peering, etc.)
 Throttle network bandwidth (per server - in Mbps)

Replication resources tags Info

Key Value - optional

Environment Enter value Remove

Use Environment Add new tag

AWS Application Migration Service Security group

MGN-Dryrun- 20240731

Migrate with AWS Application
Migration Service (MGN)

- ▶ Getting Started
- ▼ Initial setup
 - Configure AWS MGN Service
 - Configure Default Target Templates
 - Create AWS Replication Agent IAM User

▶ Configuration and Deployment

▶ Testing and Validation

▼ Cutover

▼ AWS account access

[Open AWS console
\(us-west-2\)](#)

[Get AWS CLI credentials](#)

[Get EC2 SSH key](#)

▼ Content preferences

Language

English

Environment

- add tag value: Migration-Staging:

Migration-Staging

Copied!

Replication resources tags

Key

Environment

Value - optional

Migration-Staging

Remove

Add new tag

You can add up to 49 more tags.

This will allow to **control the cost** of any temporarily resources created by AWS MGN during the migration process in the Staging area.

- Choose **Save template** to finalize the Replication Settings template configuration

MGN-Dryrun-20240731

Edit replication template | AW

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editReplicationTemplate

AWS Services Search [Option+S] Oregon WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Additional security groups Select additional security groups

Data routing and throttling Info

This setting controls how data flows from the external server to the replication servers. If you choose not to use a private IP, your replication servers will be automatically assigned a public IP and data will flow over the public internet.

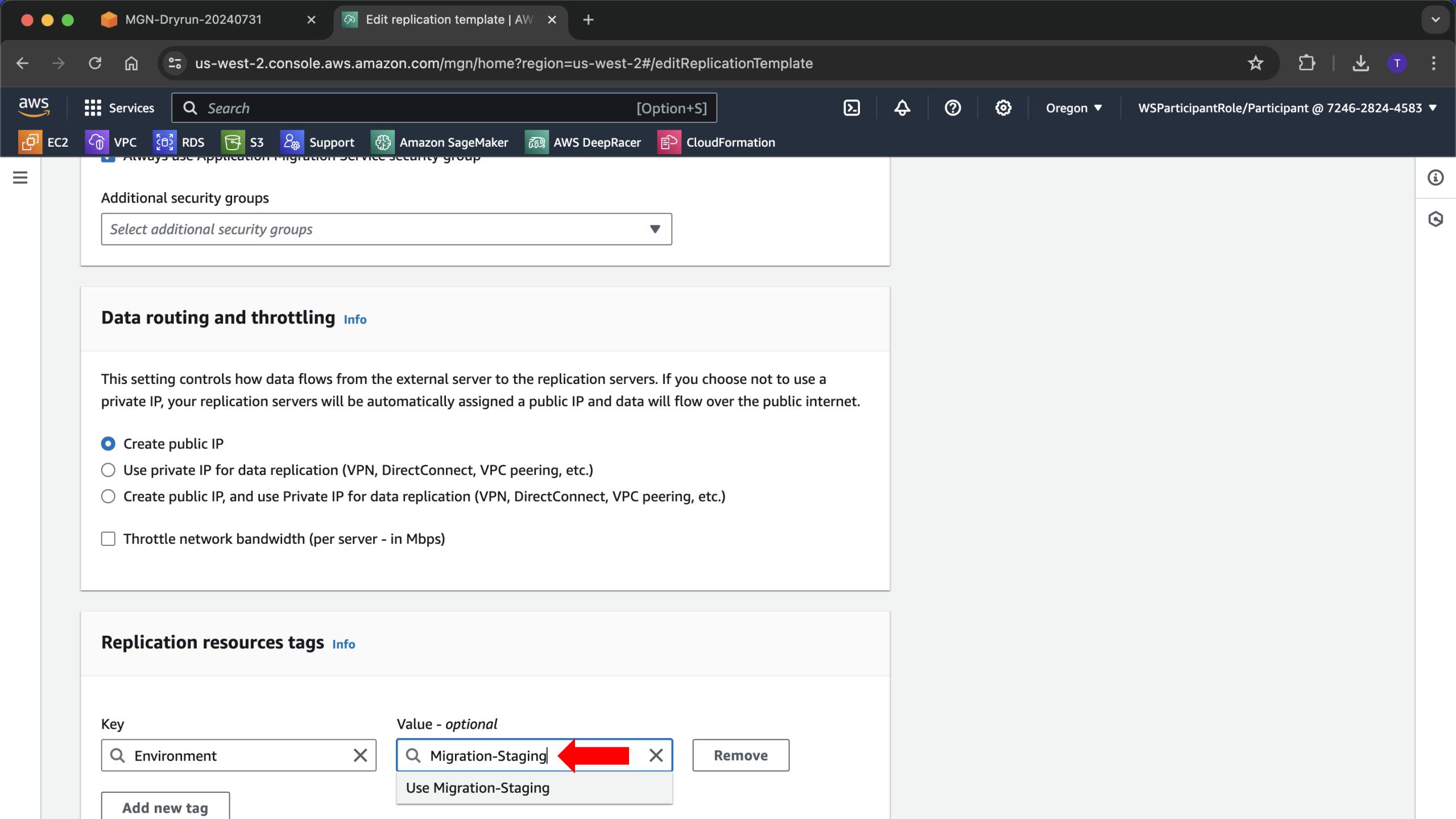
Create public IP
 Use private IP for data replication (VPN, DirectConnect, VPC peering, etc.)
 Create public IP, and use Private IP for data replication (VPN, DirectConnect, VPC peering, etc.)
 Throttle network bandwidth (per server - in Mbps)

Replication resources tags Info

Key Value - optional

Environment Migration-Staging

Add new tag Remove Use Migration-Staging



us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editReplicationTemplate

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Select additional security groups

Data routing and throttling Info

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Create public IP
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 Create public IP, and use Private IP for data replication (VPN, DirectConnect, VPC peering, etc.)
 Throttle network bandwidth (per server - in Mbps)

Replication resources tags Info

Key Value - optional

Environment Migration-Staging Remove

Add new tag

You can add up to 49 more tags.

Cancel Save template



MGN-Dryrun-20240731

Replication template | AWS A

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/replicationTemplate

aws Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service

Replication template saved

Application Migration Service > Replication template

Replication template

Source servers added to this console have replication settings that control how data is sent from the source server to AWS. These settings are created automatically based on this template, and can be modified at any time for any source server or group of source servers. The defaults can be modified at any time.

Changes made to the templates will only be applied to newly added servers.

Reinitialize service permissions Edit

Replication server configuration Info

Subnet	subnet-07f93564a6420d809	Replication Server instance type	t3.small
--------	--------------------------	----------------------------------	----------

Volumes Info

EBS volume type (for replicating disks over 500 GiB)	EBS encryption
--	----------------

Servers

- Source servers
- Applications
- Waves
- Global view
- Launch history
- MGN connectors
- Import and Export
 - Import
 - Export
- Settings
 - Replication template
 - Launch template
 - Post-launch template
 - User preferences

AWS Migration Hub

Documentation

MGN-Dryrun-20240731

Launch template | AWS Applic

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/launchTemplate

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service

Servers

- Source servers
- Applications
- Waves
- Global view
- Launch history
- MGN connectors
- Import and Export
 - Import
 - Export
- Settings
 - Replication template
 - Launch template** ← Red arrow
 - Post-launch template
 - User preferences
- AWS Migration Hub
- Documentation

Application Migration Service > Launch template

Launch template

Every source server added to this service has launch settings that control actions performed after the server is launched in AWS. These settings are created automatically based on this default launch template, and can be modified for any source server. The default can be modified at any time.

Changes made to the templates will only be applied to newly added source servers.

General launch settings Info

Configure the default settings that will be used when launching target servers.

Instance type right sizing	Start instance upon launch
On	Yes
Copy private IP	Operating system licensing
No	License-included
Transfer server tags	Boot mode
No	Use source

MGN-Dryrun-20240731

Edit launch template | AWS App Mesh

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editLaunchTemplate

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service > Launch template > Edit launch template

Edit launch template Info

Every source server added to this service has an EC2 launch template that controls its launch settings. The EC2 launch template is created automatically based on the launch template. Once a server is added to MGN, you can modify its EC2 template at any time.

General launch settings Info

Configure the default settings that will be used when launching target servers.

Activate instance type right-sizing
The service will determine the best match instance type. The default instance type defined in the EC2 template will be ignored.

Start instance upon launch
The service will launch instances automatically. If this option is not selected, launched instance will need to be manually started after launch.

Copy private IP
Enable this setting to copy the private IP of your source server to the target.

Transfer server tags
Transfer the tags from the source server resource in MGN, to the launched instance.

Operating system licensing

Specify whether to continue to use the license of the source server or use an AWS provided license.

Bring your own license (BYOL)



MGN-Dryrun-20240731

Edit launch template | AWS App Mesh

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editLaunchTemplate

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service > Launch template > Edit launch template

Edit launch template Info

Every source server added to this service has an EC2 launch template that controls its launch settings. The EC2 launch template is created automatically based on the launch template. Once a server is added to MGN, you can modify its EC2 template at any time.

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Transfer server tags
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Operating system licensing

Specify whether to continue to use the license of the source server or use an AWS provided license.

Bring your own license (BYOL)

MGN-Dryrun-20240731

Edit launch template | AWS App Mesh

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editLaunchTemplate

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service > Launch template > Edit launch template

Edit launch template Info

Every source server added to this service has an EC2 launch template that controls its launch settings. The EC2 launch template is created automatically based on the launch template. Once a server is added to MGN, you can modify its EC2 template at any time.

General launch settings Info

Configure the default settings that will be used when launching target servers.

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The service will determine the best match instance type. The default instance type defined in the EC2 template will be ignored.

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The service will launch instances automatically. If this option is not selected, launched instance will need to be manually started after launch.

Copy private IP
Enable this setting to copy the private IP of your source server to the target.

Transfer server tags
Transfer the tags from the source server resource in MGN, to the launched instance.

Operating system licensing
Specify whether to continue to use the license of the source server or use an AWS provided license.

Bring your own license (BYOL)



aws

Services

Search [Option+S]



Oregon ▾

WSParticipantRole/Participant @ 7246-2824-4583 ▾

EC2

VPC

RDS

S3

Support

Amazon SageMaker

AWS DeepRacer

CloudFormation



Default EC2 Launch Template Info

Configure the default settings that will be applied to the EC2 launch template of every target server.

Default target subnet

This is the target subnet to be associated with any instance launched by this service.

▼

Additional security groups

These are the security groups to associate with all instances launched by this service.

▼

Default instance type

This is the default instance type to be used for all instances launched by this service. This value is ignored if instance type right-sizing is active.

▼

EBS volume type

This is the default volume type used for EBS volumes. You can overwrite this value for small volumes, using API.

▼

IOPS

General Purpose SSD (gp3) volumes support a baseline of 3,000 IOPS. Additionally, you can provision up to 500 IOPS per GiB up to a maximum of 16,000 IOPS.

Min: 3000 IOPS, max: 16,000 IOPS (up to 500 IOPS per GiB).

Throughput

MGN-Dryrun-20240731

Edit launch template | AWS API

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editLaunchTemplate

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Default EC2 Launch Template Info

Configure the default settings that will be applied to the EC2 launch template of every target server.

Default target subnet

This is the target subnet to be associated with any instance launched by this service.

- TargetPrivate
vpc-017416dab3546885c
-
- TargetPrivateDB
vpc-017416dab3546885c
- SourcePrivate
vpc-037e8cd2abd255064
- StagingPrivate
vpc-0f9ecc4f98dc1c3a4
- subnet-8766faff
vpc-97989bef
- TargetPrivate**  
vpc-017416dab3546885c
- SourcePublic
vpc-037e8cd2abd255064
- TargetPublic
vpc-017416dab3546885c
- StagingPublic
vpc-0f9ecc4f98dc1c3a4
- subnet-a6af16ec
vpc-97989bef

MGN-Dryrun-20240731

Edit launch template | AWS API

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editLaunchTemplate

New Chrome available

Services

Search [Option+S]

Oregon

WSParticipantRole/Participant @ 2140-4335-9993

Default EC2 Launch Template Info

Configure the default settings that will be applied to the EC2 launch template of every target server.

Default target subnet

This is the target subnet to be associated with any instance launched by this service.

TargetPrivate
vpc-020438af3297422db

Additional security groups

These are the security groups to associate with all instances launched by this service.

Select additional security groups

pm0mVFkMRTF
sg-020b7f03061f42d1a

cft-mid-v6-SOURCENETWORK-1H7FJCIAWKO6L-TargetSecurityGroupTest-
9UTLWICOPaWG
sg-0a185fded4e3f4447

default
sg-04aec0d6db84facc9

end of security groups results

General Purpose SSD (gp3)

IOPS

General Purpose SSD (gp3) volumes support a baseline of 3,000 IOPS. Additionally, you can provision up to 500 IOPS per GiB up to a maximum of 16,000 IOPS.

3000

The screenshot shows the 'Edit launch template' interface for AWS Lambda. It displays configuration sections for a 'Default EC2 Launch Template'. The 'Default target subnet' is set to 'TargetPrivate' (vpc-020438af3297422db). In the 'Additional security groups' section, a list of security groups is shown, with one group, '9UTLWICOPaWG', being selected (indicated by a checked checkbox). A red arrow points to this selected group, and a red circle with an exclamation mark is overlaid on the list, likely indicating a validation error or warning. The 'IOPS' section notes that General Purpose SSD (gp3) volumes support a baseline of 3,000 IOPS and can provision up to 500 IOPS per GiB up to a maximum of 16,000 IOPS, with the value '3000' currently entered.

MGN-Dryrun-20240731

Edit launch template | AWS API

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editLaunchTemplate

New Chrome available

Services

Search [Option+S]

Oregon

WSParticipantRole/Participant @ 2140-4335-9993

Default EC2 Launch Template Info

Configure the default settings that will be applied to the EC2 launch template of every target server.

Default target subnet

This is the target subnet to be associated with any instance launched by this service.

TargetPrivate
vpc-020438af3297422db

Additional security groups

These are the security groups to associate with all instances launched by this service.

Select additional security groups

cft-mid-v6-SOURCENETWORK-1H7FJCIAWKO6L-TargetSecurityGroup-
9UTLWICOPaWG
sg-0a185fded4e3f4447

Default instance type

This is the default instance type to be used for all instances launched by this service. This value is ignored if instance type right-sizing is active.

t3.small

EBS volume type

This is the default volume type used for EBS volumes. You can overwrite this value for small volumes, using API.

General Purpose SSD (gp3)

IOPS

General Purpose SSD (gp3) volumes support a baseline of 3,000 IOPS. Additionally, you can provision up to 500 IOPS per GiB up to a maximum of 16,000 IOPS.

3000

MGN-Dryrun-20240731

Edit launch template | AWS API

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editLaunchTemplate

New Chrome available

Services

Search [Option+S]

Oregon

WSParticipantRole/Participant @ 2140-4335-9993

Default EC2 Launch Template Info

Configure the default settings that will be applied to the EC2 launch template of every target server.

Default target subnet

This is the target subnet to be associated with any instance launched by this service.

TargetPrivate
vpc-020438af3297422db

Additional security groups

These are the security groups to associate with all instances launched by this service.

Select additional security groups

Q t3.sma

All instance types

t3.small 

end of instance type results

t3.small

EBS volume type

This is the default volume type used for EBS volumes. You can overwrite this value for small volumes, using API.

General Purpose SSD (gp3)

IOPS

General Purpose SSD (gp3) volumes support a baseline of 3,000 IOPS. Additionally, you can provision up to 500 IOPS per GiB up to a maximum of 16,000 IOPS.

3000

MGN-Dryrun-20240731

Edit launch template | AWS API

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editLaunchTemplate

New Chrome available

Services

Search [Option+S]

Oregon

WSParticipantRole/Participant @ 2140-4335-9993

Default EC2 Launch Template [Info](#)

Configure the default settings that will be applied to the EC2 launch template of every target server.

Default target subnet

This is the target subnet to be associated with any instance launched by this service.

TargetPrivate
vpc-020438af3297422db

Additional security groups

These are the security groups to associate with all instances launched by this service.

Select additional security groups

cft-mid-v6-SOURCENETWORK-1H7FJCIAWKO6L-TargetSecurityGroup-
9UTLWICOPaWG
sg-0a185fded4e3f4447

Default instance type

This is the default instance type to be used for all instances launched by this service. This value is ignored if instance type right-sizing is active.

t3.small

EBS volume type

This is the default volume type used for EBS volumes. You can overwrite this value for small volumes, using API.

General Purpose SSD (gp3)

IOPS

General Purpose SSD (gp3) volumes support a baseline of 3,000 IOPS. Additionally, you can provision up to 500 IOPS per GiB up to a maximum of 16,000 IOPS.

3000

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editLaunchTemplate

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

EBS volume type
This is the default volume type used for EBS volumes. You can overwrite this value for small volumes, using API.
General Purpose SSD (gp3)

IOPS
General Purpose SSD (gp3) volumes support a baseline of 3,000 IOPS. Additionally, you can provision up to 500 IOPS per GiB up to a maximum of 16,000 IOPS.
3000
Min: 3000 IOPS, max: 16,000 IOPS (up to 500 IOPS per GiB).

Throughput
General Purpose SSD (gp3) volumes have a baseline performance of 125 MiB/s. You can provision additional throughput of 0.25 MiB/s per provisioned IOPS up to a maximum of 1,000 MiB/s (at 4,000 IOPS or higher).
125
Min: 125 MiB/s, max: 1000 MiB/s.

MAP program tagging [Info](#)
Configure MAP resource tags to be applied to all instances launched by this service.

Select this option to automatically add the MAP program tag when launching this server.
 Add MAP tag to launched instances

MAP tag value
Migrated resources will be automatically tagged with the "map migrated" key. Provide the tag value to use for your MAP migrated resources.

Cancel **Save template** ←

MGN-Dryrun-20240731

Launch template | AWS Applic

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/launchTemplate

aws Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

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Post-launch template

User preferences

AWS Migration Hub

Documentation

Launch template changed

Application Migration Service > Launch template

Launch template

Every source server added to this service has launch settings that control actions performed after the server is launched in AWS. These settings are created automatically based on this default launch template, and can be modified for any source server. The default can be modified at any time.

Changes made to the templates will only be applied to newly added source servers.

General launch settings Info

Configure the default settings that will be used when launching target servers.

Instance type right sizing	Start instance upon launch
Off	Yes
Copy private IP	Operating system licensing
No	License-included
Transfer server tags	Boot mode
Yes	Use source

Edit



MGN-Dryrun-20240731 Post-launch template | AWS + us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/postLaunchTemplate AWS Services Search [Option+S] Oregon WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Application Migration Service

Servers

- Source servers
- Applications
- Waves
- Global view
- Launch history
- MGN connectors
- Import and Export
 - Import
 - Export
- Settings
 - Replication template
 - Launch template
 - Post-launch template**
 - User preferences

Post-launch template

This feature allows you to configure and automate actions performed after the server is launched in AWS. The template controls the default post-launch settings of every newly added source server. You can modify the template or individual server settings at any time.

Changes made to the templates will only be applied to newly added source servers.

Post-launch actions settings

Activate post-launch actions: No

Deployment: Test and cutover instances

Edit 

AWS Migration Hub Documentation

MGN-Dryrun-20240731

Edit post-launch template | A | +

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editPostLaunchTemplate

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service > Post-launch template > Edit post-launch template

Post-launch template Info

Configure actions to be executed on every server, upon server launch

Post-launch actions Info

The service can execute actions on your servers, after they are launched, using AWS Systems Manager (AWS SSM). The service will install the AWS SSM agent, and execute the actions you select.

Install the Systems Manager agent and allow executing actions on launched servers

⚠ If you do not activate this feature, this service will not install the SSM agent. Post-launch actions will not be executed on any of your servers.

Cancel Save template



MGN-Dryrun-20240731

Edit post-launch template | A | +

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editPostLaunchTemplate

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service > Post-launch template > Edit post-launch template

Post-launch template Info

Configure actions to be executed on every server, upon server launch

Post-launch actions Info

The service can execute actions on your servers, after they are launched, using AWS Systems Manager (AWS SSM). The service will install the AWS SSM agent, and execute the actions you select.

Install the Systems Manager agent and allow executing actions on launched servers

By continuing, you are allowing AWS Application Migration Service to install the SSM agent and create the IAM roles required to execute automation on launched servers.

Deployment Info

Choose whether to execute the post-launch actions on your cutover instances only, your test instances only or on both your test and cutover instances.

Test and cutover instances (recommended)
All post-launch actions will be executed on test and cutover instances.

Cutover instances only
All post-launch actions will only be executed on the cutover instances.

Test instances only
All post-launch actions will only be executed on the test instances.



us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/editPostLaunchTemplate

aws Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

By continuing, you are allowing AWS Application Migration Service to install the SSM agent and create the IAM roles required to execute automation on launched servers.

Deployment Info

Choose whether to execute the post-launch actions on your cutover instances only, your test instances only or on both your test and cutover instances.

Test and cutover instances (recommended)
All post-launch actions will be executed on test and cutover instances.

Cutover instances only
All post-launch actions will only be executed on the cutover instances.

Test instances only
All post-launch actions will only be executed on the test instances.

Encryption

These options will encrypt the action parameters.

Encrypt action parameters

Default encryption key

This key will be used by default to encrypt all action parameters. In the edit action page, you can specify a different key for each parameter.

Select KMS key

Create an AWS KMS Key

Cancel Save template

MGN-Dryrun-20240731

Post-launch template | AWS

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/postLaunchTemplate

AWS Services Search [Option+S]

Oregon WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Application Migration Service

Servers

- Source servers
- Applications
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- MGN connectors
- Import and Export
 - Import
 - Export
- Settings
 - Replication template
 - Launch template
 - Post-launch template
 - User preferences

Post-launch actions settings

Activate post-launch actions: Yes

Deployment: Test and cutover instances

Edit

Filter by

- Activation status
 - Active
 - Not active
- Platform
 - Linux
 - Windows
- Creator
 - Me
 - AWS
 - 3rd party
- Categories
 - Backup

Actions (22)

Find actions

Card view Edit Delete Create action

Action	Platform	Description	Order
SSM agent	Powered by AWS SSM	Install SSM agent	1
Replace SUSE subscription	Powered by AWS MGN	Convert a SUSE Linux subscription to an AWS provided SUSE... More	20
CentOS to Rocky			
Windows MS-SQL license conversion			

MGN-Dryrun-20240731 Post-launch template | AWS + us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/postLaunchTemplate AWS Services Search [Option+S] Oregon WSParticipantRole/Participant @ 7246-2824-4583 EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation Application Migration Service ×

Activate post-launch actions Yes Deployment Test and cutover instances

Filter by Activation status Active Not active Platform Linux Windows Creator Me AWS 3rd party Categories Backup

Actions (22) Card view Edit Delete Create action Find actions 1 2

Action	Platform	Order
SSM agent	Windows and Linux	1
Replace SUSE subscription	Linux	20
CentOS to Rocky		
Windows MS-SQL license conversion		

AWS Migration Hub Documentation

MGN Lab Steps

- Configure AWS MGN Service
- Configure Default Target Templates
- Create AWS Replication Agent IAM User
- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves
- Launch Test Instance
- Validate Test Instances
- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications
- Finalize cutover and Archive Servers



MGN-Dryrun-
20240731Migrate with AWS Application
Migration Service (MGN)

▶ Getting Started

▼ Initial setup

Configure AWS MGN Service

Configure Default Target
Templates**Create AWS Replication Agent
IAM User**

▶ Configuration and Deployment

▶ Testing and Validation

▼ Cutover

▼ AWS account access

Open AWS console
(us-west-2)

Get AWS CLI credentials

Get EC2 SSH key

▼ Content preferences

Language

English

Exit event

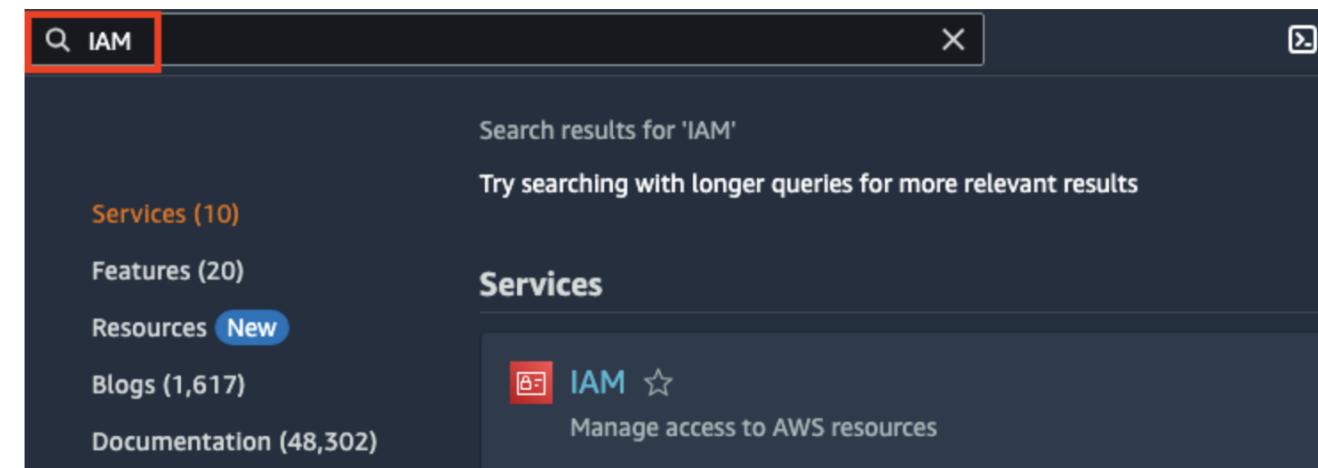
[Event dashboard](#) > [Initial setup](#) > [Create AWS Replication Agent IAM User](#)

Create AWS Replication Agent IAM User

The AWS Replication Agent (MGN agent) that will be installed on the source servers requires IAM permissions in order to register the source machine with AWS MGN. In this step we will create the required IAM user that will be used by AWS Replication Agent in the next steps.

>Create AWS Replication Agent IAM User through IAM Console

1. In **Find Services** search for and choose **IAM**, or use this link to open [IAM Console](#)



2. From the **IAM** main page, choose **Users** from the left-hand navigation menu, then choose **Add user**.

AWS Services Search: iam

EC2 VPC

Application Migration Service

Servers

- Source servers
- Applications
- Waves
- Global view
- Launch history
- MGN connectors

Import and Export

- Import
- Export

Settings

- Replication template
- Launch template
- Post-launch template
- User preferences

AWS Migration Hub Documentation Release Notes

Search results for 'iam'

Services (11)

Features (24)

Resources New

Documentation (59,167)

Knowledge Articles (481)

Marketplace (845)

Blogs (1,832)

Events (12)

Tutorials (1)

Services

IAM Manage access to AWS resources

IAM Identity Center Manage workforce user access to multiple AWS accounts and cloud applications

Resource Access Manager Share AWS resources with other accounts or AWS Organizations

See all 11 results ▶

Features

Groups IAM feature

Roles IAM feature

Roles Anywhere IAM feature

See all 24 results ▶

Resources / for a focused search

recovery NOT active NOT active

Edit

Delete Create action

< 1 2 >

Description Order 20

Subscription to an AWS provided license conversion

CloudShell Feedback

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MGN-Dryrun-20240731

Dashboard | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-west-2#/home

aws Services Search [Option+S] Global WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

- User groups
- Users
- Roles
- Policies
- Identity providers

IAM resources

User groups	Users	Roles	Policies	Identity providers
0	1	41	7	0

What's new

- AWS IAM Access Analyzer now offers policy checks for public and critical resource access. 1 month ago
- AWS IAM Access Analyzer now offers recommendations to refine unused access. 1 month ago
- AWS Launches Console-based Bulk Policy Migration for Billing and Cost Management Console Access. 2 months ago
- IAM Roles Anywhere now supports modifying the mapping of certificate attributes. 3 months ago

AWS Account

Account ID: 724628244583

Account Alias: Create

Sign-in URL for IAM users in this account: https://724628244583.signin.aws.amazon.com/console

Tools

Policy simulator

The simulator evaluates the policies that you choose and determines the effective permissions for each of the actions that you specify.

MGN-Dryrun-20240731

Users | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-west-2#/users

AWS Services Search [Option+S] Global WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

- User groups
- Users**
- Roles
- Policies
- Identity providers
- Account settings

Access reports

- Access Analyzer
- External access
- Unused access
- Analyzer settings

Credential report

Organization activity

IAM > Users

Users (1) Info

An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

Search

< 1 >

<input type="checkbox"/>	User name	Path	Groups	Last activity	MFA	Password age	Console
<input type="checkbox"/>	WSControlPlaneUser	/	Access denied	Access denied	Access denied	Access denied	-

Create user

A red arrow points to the "Create user" button in the top right corner of the main content area.

MGN-Dryrun-20240731

Create user | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-west-2#/users/create

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

IAM > Users > Create user

Step 1 Specify user details

Step 2 Set permissions

Step 3 Review and create

Specify user details

User details

User name

The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ _ - (hyphen)

Provide user access to the AWS Management Console - *optional*

If you're providing console access to a person, it's a [best practice](#) to manage their access in IAM Identity Center.

Info If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. [Learn more](#)

Cancel Next

MGN-Dryrun-20240731

Create user | IAM | Global

catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/1-initial-setup/3-create-replication-agent-iam-user

aws workshop studio

michael_tw_lin

MGN-Dryrun-20240731

Migrate with AWS Application Migration Service (MGN)

▶ Getting Started

▼ Initial setup

- Configure AWS MGN Service
- Configure Default Target Templates
- Create AWS Replication Agent IAM User**
- ▶ Configuration and Deployment
- ▶ Testing and Validation
- ▼ Cutover

▼ AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

▼ Content preferences

Language

English

3. For User name use MGNuser , then click Next

MGNuser

IAM > Users > Create user

Step 1
Specify user details

Step 2
Set permissions

Step 3
Review and create

Specify user details

User details

User name
MGNuser

The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and + = . @ _ - (hyphen)

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Cancel

Next

Copied!

MGN-Dryrun-20240731

Create user | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-west-2#/users/create

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

IAM > Users > Create user

Step 1 Specify user details

Step 2 Set permissions

Step 3 Review and create

Specify user details

User details

User name

MGNuser

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MGN-Dryrun-20240731

Create user | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-west-2#/users/create

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

IAM > Users > Create user

Step 1 Specify user details

Step 2 Set permissions

Step 3 Review and create

Specify user details

User details

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Cancel Next

A red arrow points to the "Next" button at the bottom right of the page.

us-east-1.console.aws.amazon.com/iam/home?region=us-west-2#/users/create

Services Search [Option+S] Global WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

IAM > Users > Create user

Step 1 Specify user details

Step 2 Set permissions

Step 3 Review and create

Set permissions

Add user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by job functions. [Learn more](#)

Permissions options

- Add user to group
Add user to an existing group, or create a new group. We recommend using groups to manage user permissions by job function.
- Copy permissions
Copy all group memberships, attached managed policies, and inline policies from an existing user.
- Attach policies directly
Attach a managed policy directly to a user. As a best practice, we recommend attaching policies to a group instead. Then, add the user to the appropriate group.

 **Get started with groups**
Create a group and select policies to attach to the group. We recommend using groups to manage user permissions by job function, AWS service access, or custom permissions. [Learn more](#)

Create group

► **Set permissions boundary - optional**

Cancel Previous Next

MGN-Dryrun-20240731

Create user | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-west-2#/users/create

aws Services Search [Option+S] Global WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

IAM > Users > Create user

Step 1 Specify user details

Step 2 Set permissions

Step 3 Review and create

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Attach a managed policy directly to a user. As a best practice, we recommend attaching policies to a group instead. Then, add the user to the appropriate group.

Permissions policies (1229)

Choose one or more policies to attach to your new user.

Filter by Type

Policy name	Type	Attached entities
_iam-mid-baseinfra_v6-0	Customer managed	1
_iam-mid-computeoptimizer-4	Customer managed	1

MGN-Dryrun- 20240731

Migrate with AWS Application
Migration Service (MGN)

▶ Getting Started

▼ Initial setup

Configure AWS MGN Service

Configure Default Target
Templates

**Create AWS Replication Agent
IAM User**

▶ Configuration and Deployment

▶ Testing and Validation

▼ Cutover

▼ AWS account access

Open AWS console
(us-west-2)

Get AWS CLI credentials

Get EC2 SSH key

▼ Content preferences

Language

English

AWSApplicationMigrationAgentInstallationPolicy

- In the list of policies in the same section, make sure the policy found

Make sure you have selected the AWSApplicationMigrationAgentInstallationPolicy policy before going to the next page!

- Finally, choose the **Next** option

IAM > Users > Create user

Step 1
Specify user details

Step 2

Set permissions

Step 3

Review and create

Set permissions

Add user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by job functions. [Learn more](#)

Permissions options

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Attach policies directly
Attach a managed policy directly to a user. As a best practice, we recommend attaching policies to a group instead. Then, add the user to the appropriate group.

1

Copied!



us-east-1.console.aws.amazon.com/iam/home?region=us-west-2#/users/create

aws Services Search [Option+S] Global WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation



IAM > Users > Create user

Step 1

Specify user details

Step 2

Set permissions

Step 3

Review and create

Set permissions

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Permissions options

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Attach policies directly

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Permissions policies (1229)

Choose one or more policies to attach to your new user.

Filter by Type

AWSApplicationMigrationAgentInstallationPolicy

All types



Create policy

Policy name

Type

Attached entities

AWSApplicationMigrationAgent...

AWS managed

0



EC2



Amazon SageMaker



Step 1

[Specify user details](#)

Step 2

[Set permissions](#)

Step 3

[Review and create](#)

Set permissions

Add user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by job functions. [Learn more](#)

Permissions options

Add user to group

Add user to an existing group, or create a new group. We recommend using groups to manage user permissions by job function.

Copy permissions

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Attach policies directly

Attach a managed policy directly to a user. As a best practice, we recommend attaching policies to a group instead. Then, add the user to the appropriate group.

Permissions policies (1/1229)

Choose one or more policies to attach to your new user.

Filter by Type

 AWSApplicationMigrationAgentInstallationPolicy X

All types

1 match

< 1 >



Policy name

AWSApplicationMigrationAgent...

AWS managed

Type

Attached entities



► Set permissions boundary - optional

[Cancel](#)[Previous](#)[Next](#)



Services

Search



EC2



RDS



S3



Support



Amazon SageMaker



AWS DeepRacer



CloudFormation



Step 1

[Specify user details](#)

Step 2

[Set permissions](#)

Step 3

[Review and create](#)

Set permissions

Add user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by job functions. [Learn more](#)

Permissions options

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Permissions policies (1/1229)

Choose one or more policies to attach to your new user.

Filter by Type

 AWSApplicationMigrationAgentInstallationPolicy X All types ▼

1 match

< 1 > ⚙️

Policy name 🔗

 Type Attached entities

+

[AWSApplicationMigrationAgent...](#)

AWS managed

0

► Set permissions boundary - optional

[Cancel](#)[Previous](#)[Next](#)



EC2

VPC

RDS

S3

Support

Amazon SageMaker

AWS DeepRacer

CloudFormation

Step 1

[Specify user details](#)

Step 2

[Set permissions](#)

Step 3

[Review and create](#)

Review and create

Review your choices. After you create the user, you can view and download the autogenerated password, if enabled.

User details

User name

MGNuser

Console password type

None

Require password reset

No

Permissions summary

Name



Type



Used as

[AWSApplicationMigrationAgentInstallationPolicy](#)

AWS managed

Permissions policy

Tags - optional

Tags are key-value pairs you can add to AWS resources to help identify, organize, or search for resources. Choose any tags you want to associate with this user.

No tags associated with the resource.

[Add new tag](#)

You can add up to 50 more tags.

[Cancel](#)[Previous](#)[Create user](#)

MGN-Dryrun-20240731

Users | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-west-2#/users

AWS Services Search [Option+S] Global WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Identity and Access Management (IAM)

User created successfully

You can view and download the user's password and email instructions for signing in to the AWS Management Console.

View user

Search IAM

IAM > Users

Users (2) Info

An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

Search

1 Create user

User name Path Group: Last activity MFA Password age Conso

User name	Path	Group:	Last activity	MFA	Password age	Conso
MGNUser	/	0	-	-	-	-
WSControlPlaneUser	/	✖ Access denied	✖ Access denied	✖ Access denied	✖ Access denied	-

Dashboard

Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

Access reports

Access Analyzer

External access

Unused access

Analyzer settings

Credential report

Organization activity



MGN-Dryrun-20240731 MGNuser | IAM | Global us-east-1.console.aws.amazon.com/iam/home?region=us-west-2#/users/details/MGNuser?section=permissions

aws Services Search [Option+S] EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation Global WSParticipantRole/Participant @ 7246-2824-4583

Identity and Access Management (IAM) X

IAM > Users > MGNuser

MGNuser Info

Delete

Search IAM

Summary

ARN	Console access	Access key 1
arn:aws:iam::724628244583:user/MGNuser	Disabled	Create access key
Created	Last console sign-in	-
August 01, 2024, 00:26 (UTC+08:00)		

Permissions Groups Tags Security credentials Access Advisor

Permissions policies (1)

Permissions are defined by policies attached to the user directly or through groups.

Filter by Type

Search All types

Policy name	Type	Attached via
AWSApplicationMigrationAgentIn...	AWS managed	Directly

External access Unused access Analyzer settings Credential report Organization activity

MGN-Dryrun-20240731 MGNuser | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-west-2#/users/details/MGNuser?section=security_credentials

aws Services Search [Option+S] Global WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Identity and Access Management (IAM)

IAM > Users > MGNuser

MGNuser Info Delete

Search IAM

Summary

ARN arn:aws:iam::724628244583:user/MGNuser	Console access Disabled	Access key 1 Create access key
Created August 01, 2024, 00:26 (UTC+08:00)	Last console sign-in -	

Permissions Groups Tags Security credentials  Advisor

Console sign-in  Enable console access

Console sign-in link https://724628244583.signin.aws.amazon.com/console	Console password Not enabled
---	---------------------------------

Multi-factor authentication (MFA) (0)

Remove Resync Assign MFA device

Use MFA to increase the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA device. Each user can have a maximum of 8 MFA devices.

Dashboard

Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

Access reports

Access Analyzer

External access

Unused access

Analyzer settings

Credential report

Organization activity

us-east-1.console.aws.amazon.com/iam/home?region=us-west-2#/users/details/MGNuser?section=security_credentials

aws Services Search [Option+S] Global WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

- User groups
- Users**
- Roles
- Policies
- Identity providers
- Account settings

Access reports

Access Analyzer

- External access
- Unused access
- Analyzer settings

Credential report

Organization activity

Access keys (0)

Use access keys to send programmatic calls to AWS from the AWS CLI, AWS Tools for PowerShell, AWS SDKs, or direct AWS API calls. You can have a maximum of two access keys (active or inactive) at a time. [Learn more](#)

No access keys. As a best practice, avoid using long-term credentials like access keys. Instead, use tools which provide short term credentials. [Learn more](#)

Create access key

SSH public keys for AWS CodeCommit (0)

User SSH public keys to authenticate access to AWS CodeCommit repositories. You can have a maximum of five SSH public keys (active or inactive) at a time. [Learn more](#)

SSH Key ID	Uploaded	Status
No SSH public keys		

Upload SSH public key

HTTPS Git credentials for AWS CodeCommit (0)

Generate a user name and password you can use to authenticate HTTPS connections to AWS CodeCommit repositories. You can have a maximum of 2 sets of credentials (active or inactive) at a time. [Learn more](#)

User name	Created	Status

Actions Generate credentials

MGN-Dryrun-20240731

Create access key | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-west-2#/users/details/MGNuser/create-access-key

Services

Search [Option+S]

Global WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

alternatives

Avoid using long-term credentials like access keys to improve your security. Consider the following use cases and alternatives.

Step 2 - optional

Set description tag

Step 3

Retrieve access keys

Use case

- Command Line Interface (CLI)
You plan to use this access key to enable the AWS CLI to access your AWS account.
- Local code
You plan to use this access key to enable application code in a local development environment to access your AWS account.
- Application running on an AWS compute service
You plan to use this access key to enable application code running on an AWS compute service like Amazon EC2, Amazon ECS, or AWS Lambda to access your AWS account.
- Third-party service
You plan to use this access key to enable access for a third-party application or service that monitors or manages your AWS resources.
- Application running outside AWS
You plan to use this access key to authenticate workloads running in your data center or other infrastructure outside of AWS that needs to access your AWS resources.
- Other
Your use case is not listed here.



MGN-Dryrun-20240731

Create access key | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-west-2#/users/details/MGNuser/create-access-key

Services Search [Option+S] Global WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

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Your use case is not listed here.





EC2



VPC



RDS



S3



Support



Amazon SageMaker



AWS DeepRacer



CloudFormation

Step 3

Retrieve access keys

Command Line Interface (CLI)

You plan to use this access key to enable the AWS CLI to access your AWS account.

 Local code

You plan to use this access key to enable application code in a local development environment to access your AWS account.

 Application running on an AWS compute service

You plan to use this access key to enable application code running on an AWS compute service like Amazon EC2, Amazon ECS, or AWS Lambda to access your AWS account.

 Third-party service

You plan to use this access key to enable access for a third-party application or service that monitors or manages your AWS resources.

 Application running outside AWS

You plan to use this access key to authenticate workloads running in your data center or other infrastructure outside of AWS that needs to access your AWS resources.

 Other

Your use case is not listed here.

**Alternative recommended**

Use IAM Roles Anywhere to generate temporary security credentials for non AWS workloads accessing AWS services. [Learn more about providing access for non AWS workloads.](#)

Cancel

Next



MGN-Dryrun-20240731

Create access key | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-west-2#/users/details/MGNuser/create-access-key

Services: EC2, VPC, RDS, S3, Support, Amazon SageMaker, AWS DeepRacer, CloudFormation

IAM > Users > MGNuser > Create access key

Step 1: Access key best practices & alternatives

Step 2 - optional: Set description tag

Step 3: Retrieve access keys

Set description tag - optional Info

The description for this access key will be attached to this user as a tag and shown alongside the access key.

Description tag value

Describe the purpose of this access key and where it will be used. A good description will help you rotate this access key confidently later.

Maximum 256 characters. Allowed characters are letters, numbers, spaces representable in UTF-8, and: _ . : / = + - @

Cancel Previous Create access key



us-east-1.console.aws.amazon.com/iam/home?region=us-west-2#/users/details/MGNuser/create-access-key

aws Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation Global WSParticipantRole/Participant @ 7246-2824-4583

Access key created
This is the only time that the secret access key can be viewed or downloaded. You cannot recover it later. However, you can create a new access key any time.

IAM > Users > MGNuser > Create access key

Step 1
Access key best practices & alternatives

Step 2 - optional
Set description tag

Step 3
Retrieve access keys

Retrieve access keys Info

Access key

If you lose or forget your secret access key, you cannot retrieve it. Instead, create a new access key and make the old key inactive.

Access key	Secret access key
<input type="checkbox"/> AKIA2RNZVRBTX4KFT7Y5	<input type="checkbox"/> ***** Show

Access key best practices

- Never store your access key in plain text, in a code repository, or in code.
- Disable or delete access key when no longer needed.
- Enable least-privilege permissions.
- Rotate access keys regularly.

For more details about managing access keys, see the [best practices for managing AWS access keys](#).

[Download .csv file](#) [Done](#)

us-east-1.console.aws.amazon.com/iam/home?region=us-west-2#/users/details/MGNuser/create-access-key

aws Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

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IAM > Users > MGNuser > Create access key

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Retrieve access keys Info

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<input type="checkbox"/> AKIA2RNZVRBTX4KFT7Y5	<input type="checkbox"/> ***** Show

Access key best practices

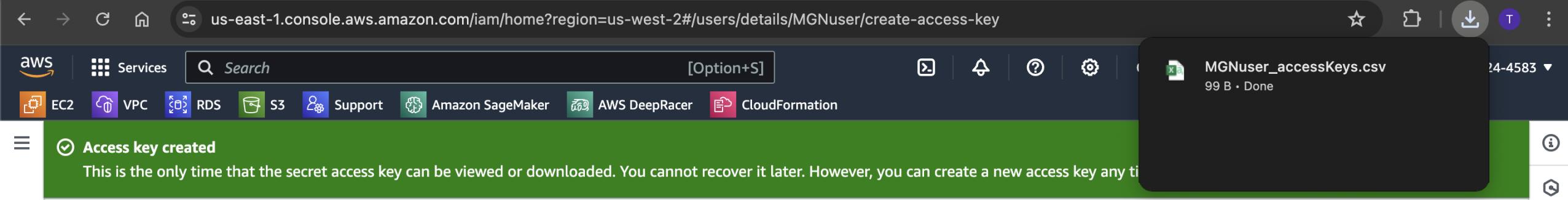
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Download .csv file Done

MGNuser_accessKeys.csv
99 B • Done





IAM > Users > MGNuser > Create access key

Step 1

[Access key best practices & alternatives](#)

Step 2 - optional

[Set description tag](#)

Step 3

[Retrieve access keys](#)

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[Download .csv file](#)

[Done](#)

MGN-Dryrun-20240731 MGNuser | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-west-2#/users/details/MGNuser?section=security_credentials

aws Services Search [Option+S] Global WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Identity and Access Management (IAM)

IAM > Users > MGNuser

MGNuser Info

Delete

Search IAM

Summary

ARN arn:aws:iam::724628244583:user/MGNuser	Console access Disabled	Access key 1 AKIA2RNZVRBTX4KFT7Y5 - Active <small>Never used. Created today.</small>
Created August 01, 2024, 00:26 (UTC+08:00)	Last console sign-in -	Access key 2 Create access key

Permissions Groups Tags Security credentials Access Advisor

Console sign-in [Enable console access](#)

Console sign-in link https://724628244583.signin.aws.amazon.com/console	Console password Not enabled
--	---------------------------------

Multi-factor authentication (MFA) (0)

Remove Resync Assign MFA device

Identity and Access Management (IAM)

Dashboard

Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

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Access Analyzer

External access

Unused access

Analyzer settings

Credential report

Organization activity

MGN Lab Steps

- Configure AWS MGN Service
- Configure Default Target Templates
- Create AWS Replication Agent IAM User
- **Install the AWS Replication Agent**
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves
- Launch Test Instance
- Validate Test Instances
- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications
- Finalize cutover and Archive Servers



MGN-Dryrun-20240731 MGNuser | IAM | Global catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-configuration-and-deployment/4-install-aws-replication-agent michael_tw_lin

aws workshop studio

Configuration and Deployment

- Install the AWS Replication Agent **Install the AWS Replication Agent**
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves
- [Optional] Modify the EC2 Launch Template

Testing and Validation

Cutover

- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications

Finalize Migration and Cleanup

AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

Content preferences

Language English ▾

Event dashboard > Configuration and Deployment > Install the AWS Replication Agent

Install the AWS Replication Agent

AWS Application Migration Service replicates data to AWS using an agent that must be installed on the source server.

1. Connect Bastion host machine as mentioned [here](#).
2. Open **Putty** on Windows **Bastion** host machine.

The screenshot shows the PuTTY Configuration window. The left pane displays a tree view of categories: Session, Terminal, Window, Appearance, Connection, Data, Proxy, Telnet, Rlogin, SSH, and Serial. The right pane is titled "Basic options for your PuTTY session". It includes fields for "Host Name (or IP address)" (with a placeholder box), "Port" (set to 22), and "Connection type" (radio buttons for Raw, Telnet, Rlogin, SSH, and Serial, with SSH selected). Below these are sections for "Saved Sessions" and "Session". The "Session" section contains a list of saved sessions with names like "Default Settings", "ofbiz-db", "ofbiz-web", "wordpress-db", and "wordpress-web". A red circle highlights this list of sessions. At the bottom, there are "Load", "Save", and "Delete" buttons, and a "Close window on exit:" dropdown with options "Always", "Never", and "Only on clean exit" (the latter being selected).



Recycle Bin



Google
Chrome



Architecture



EC2
Feedback



EC2
Micros...

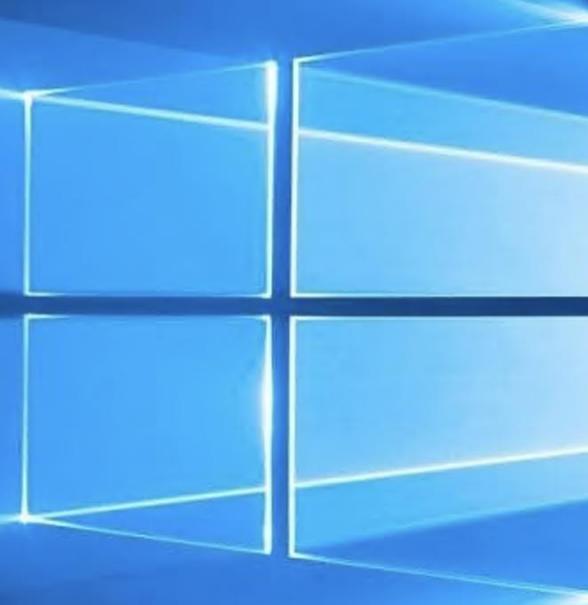


Microsoft
Remote...



Putty

Hostname: EC2AMAZ-G01RV6U
Instance ID: i-0723fcba4d1a26aaaf
Public IPv4 address: 54.212.112.162
Private IPv4 address: 192.168.0.47
Instance size: c4.large
Availability Zone: us-west-2a
Architecture: AMD64
Total memory: 3840 MB
Network: Moderate





Recycle Bin



Google Chrome



Architecture



EC2 Feedback



EC2 Micros...

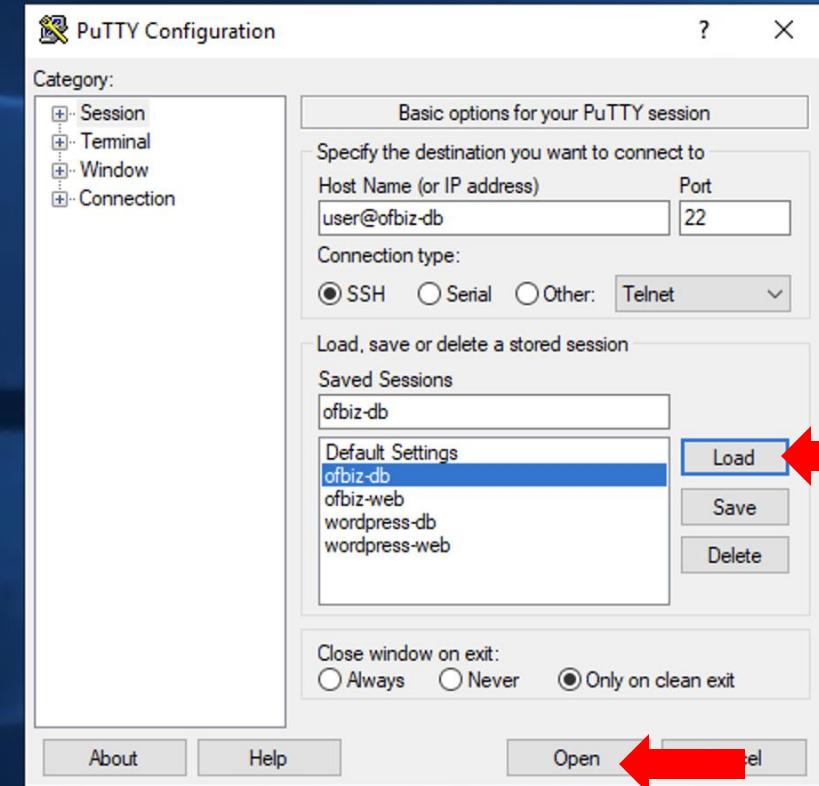


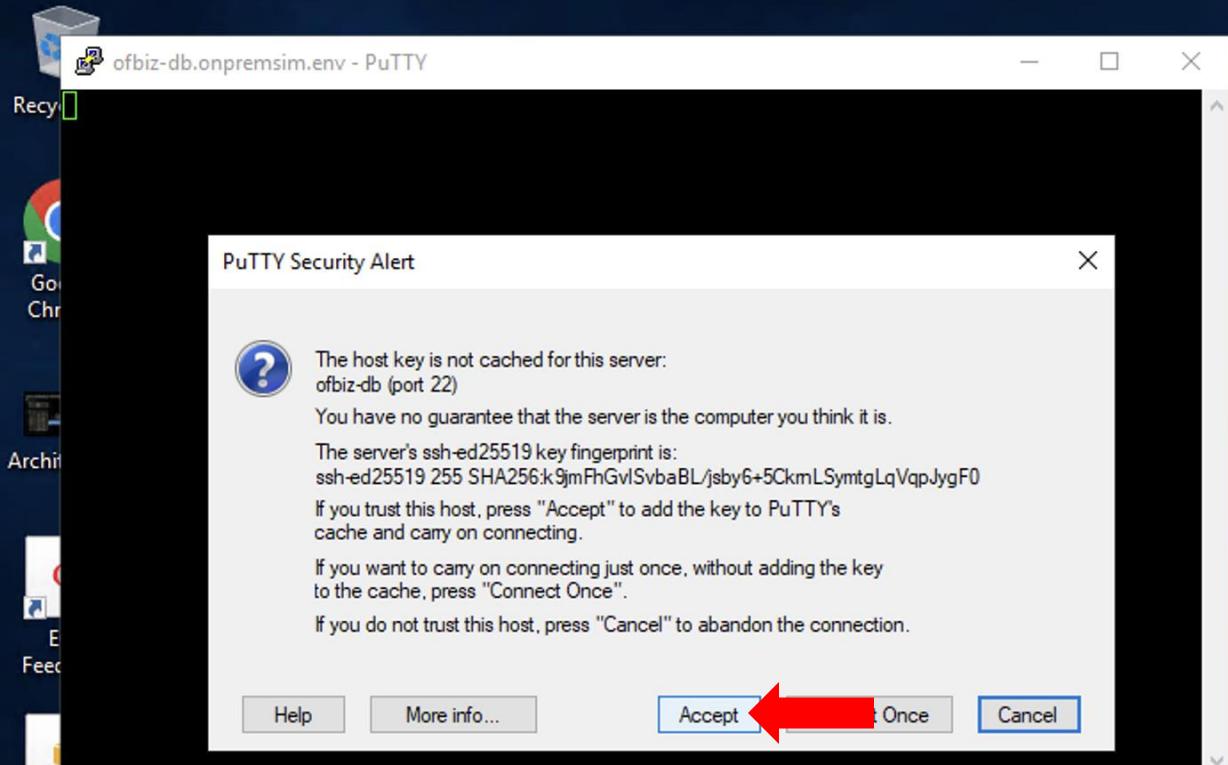
Microsoft Remote...



Putty

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▼ Configuration and Deployment

[Install the AWS Replication Agent](#)

AWS MGN Migration Life Cycle

Create and Tag Applications and Waves

[Optional] Modify the EC2 Launch Template

► Testing and Validation

▼ Cutover

Shutdown Source Environment

Launch Cutover Instance

Update DNS and Validate the applications

► Finalize Migration and Cleanup

▼ AWS account access

[Open AWS console \(us-west-2\)](#) [Get AWS CLI credentials](#)[Get EC2 SSH key](#)

▼ Content preferences

Language

English

Exit event

AWSmgn23



Copied!



Note: there's no need to type in the username 'user' as PuTTY sessions are already configured to log in as 'user'.

5. There are two options to compose the installation command and execute the agent:

- use the AWS MGN console **Source Servers -> Add server** (the recommended way)
- manually create command line for the installer - use the optional instructions in the right tab

Choose the option you prefer or try different options for different source servers.

[\[Default\] Install AWS Replication Agent using AWS MGN Console](#)[\[Optional\] Manually compose AWS Replication Agent install](#)

- On the left-hand navigation menu, choose **Source servers**, or use this link: [AWS Application Migration Service - Source servers](#). Choose **Add server** button in the empty list of Source servers.

Application Migration Service

[Source servers](#) [Applications](#) [Waves](#) [Launch history](#)

1

Default templates created

Every time you add a source server to Application Migration Service, its Replication settings, Launch settings and Post-launch action settings are initialized based on default templates. You can edit the default templates in the Settings page.

The next step to setting up Application Migration Service is adding your source servers by installing the AWS Replication agent on them.

[Learn more](#)

Replication template saved

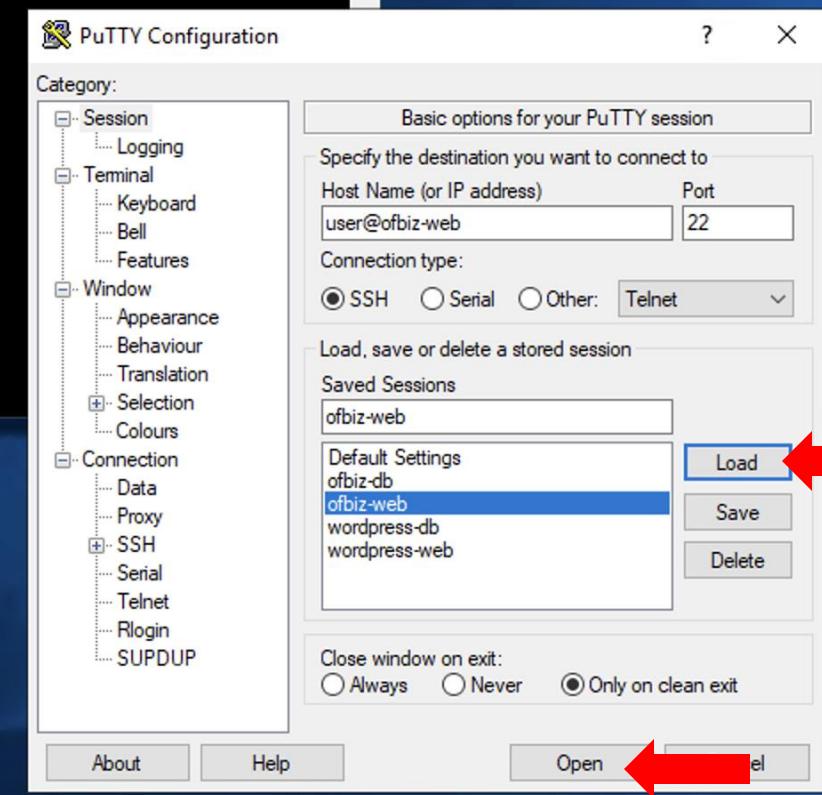
[Application Migration Service](#) > [Active source servers](#)

```
user@ofbiz-db:~  
- □ ×  
Recycle bin  
Using username "user".  
user@ofbiz-db's password:  
Access denied  
user@ofbiz-db's password:  
Last failed login: Wed Jul 31 16:32:16 UTC 2024 from 192.168.0.47 on ssh:notty  
There was 1 failed login attempt since the last successful login.  
[user@ofbiz-db ~]$
```

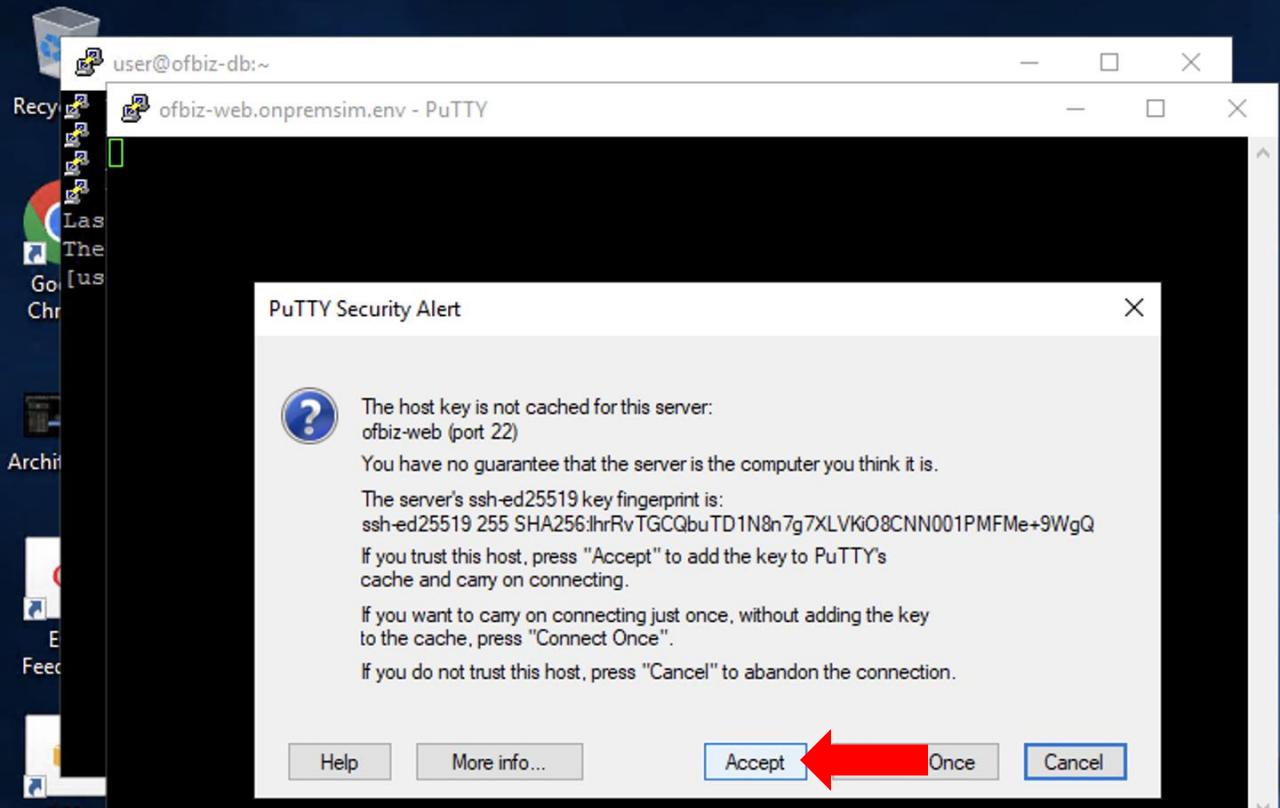
Hostname: EC2AMAZ-G01RV6U
Instance ID: i-0723fcba4d1a26aaaf
Public IPv4 address: 54.212.112.162
Private IPv4 address: 192.168.0.47
Instance size: c4.large
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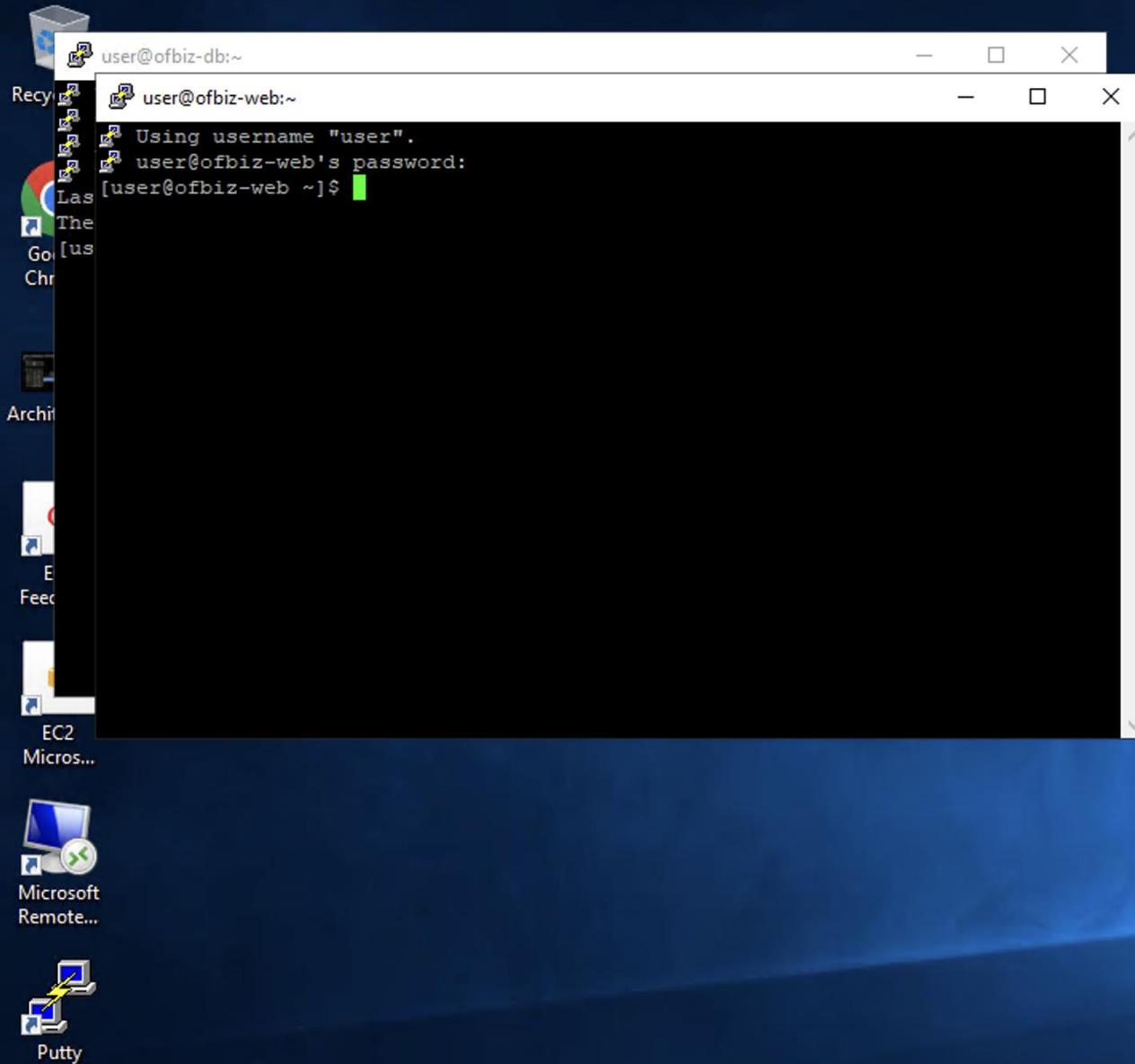
```
user@ofbiz-db:~  
Using username "user".  
user@ofbiz-db's password:  
Access denied  
user@ofbiz-db's password:  
Last failed login: Wed Jul 31 16:32:16 UTC 2024 from 192.168.0.47 on ssh:notty  
There was 1 failed login attempt since the last successful login.  
[user@ofbiz-db ~]$
```



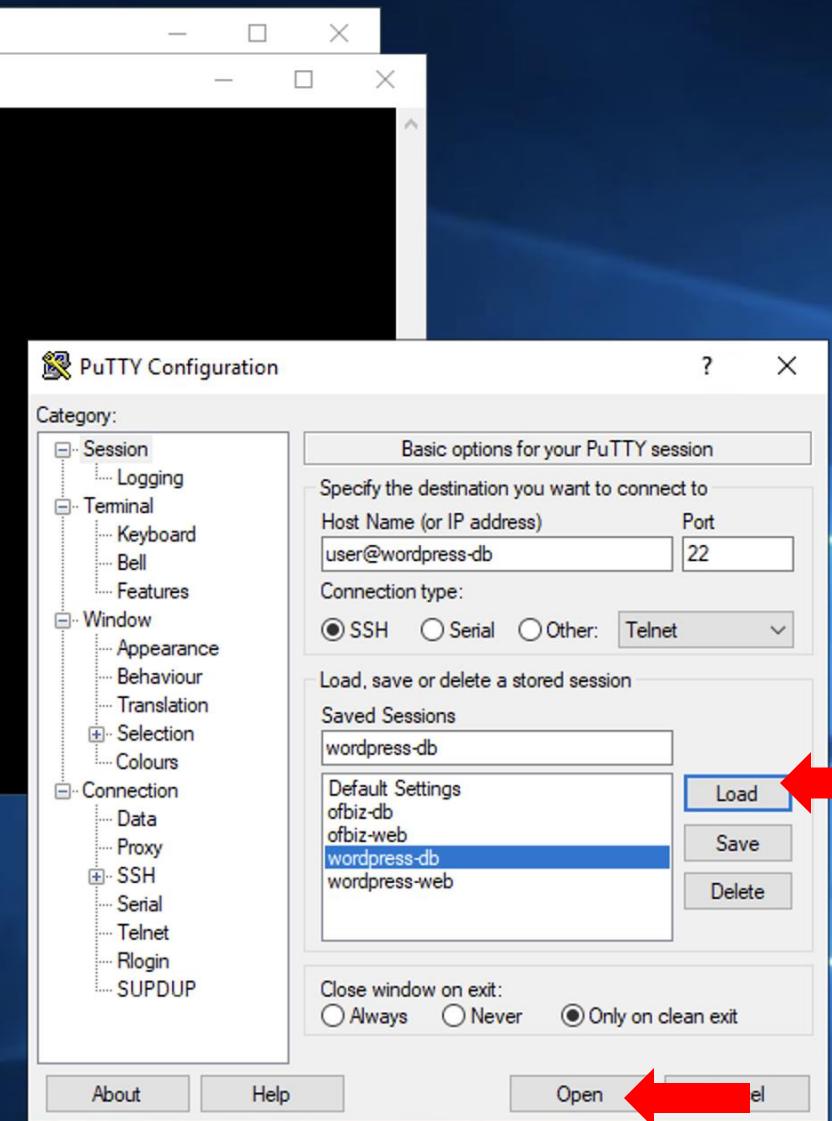
Hostname: EC2AMAZ-G01RV6U
Instance ID: i-0723fcba4d1a26aaf
Public IPv4 address: 54.212.112.162
Private IPv4 address: 192.168.0.47
Instance size: c4.large
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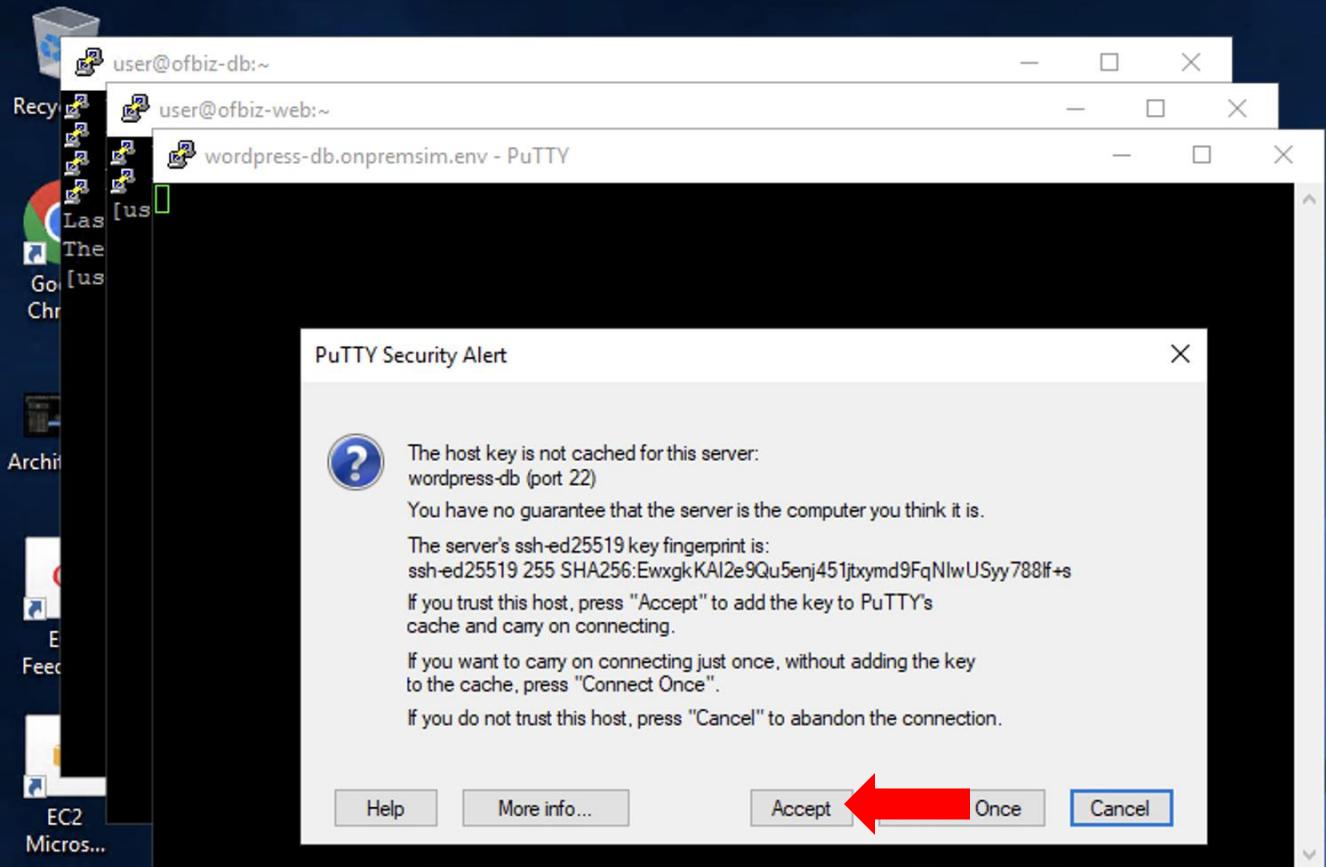
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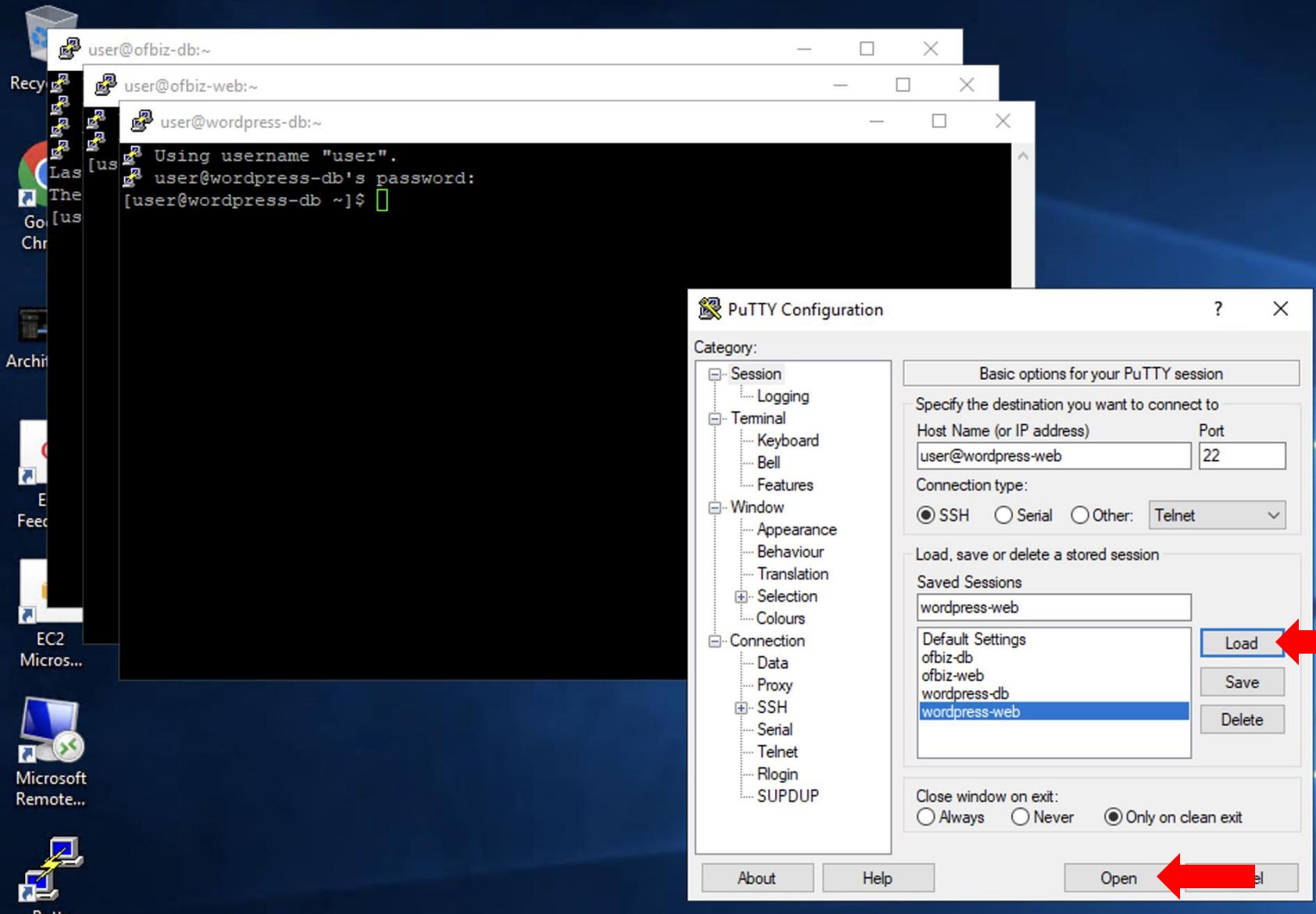


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Public IPv4 address: 54.212.112.162
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Instance size: c4.large
Availability Zone: us-west-2a
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Total memory: 3840 MB
Network: Moderate

A screenshot of a Windows desktop environment. On the left, there is a vertical taskbar with several pinned icons: Microsoft Edge, Microsoft Remote Desktop, and Putty. The desktop background is blue with a glowing cube icon. There are three open terminal windows:

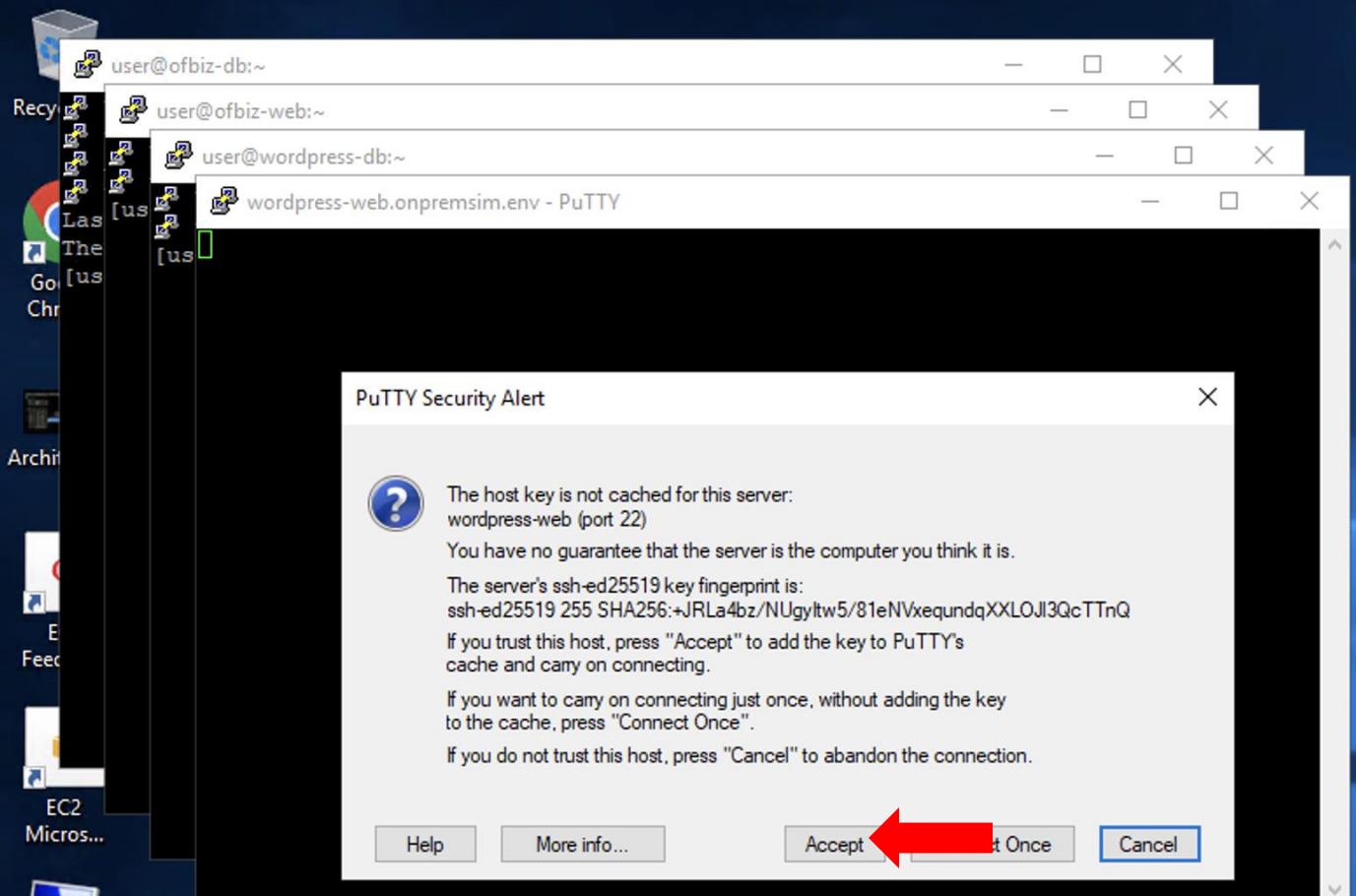
- The top window shows the command "ls" being run, listing files like "user@ofbiz-db:~" and "user@ofbiz-web:~".
- The middle window shows the command "ls" being run, listing files like "[us]" and "user@wordpress-db:~". It also displays the message "Using username \"user\"." and "user@wordpress-db's password:" followed by a prompt "[user@wordpress-db ~]\$".
- The bottom window is mostly black and appears to be another terminal session.

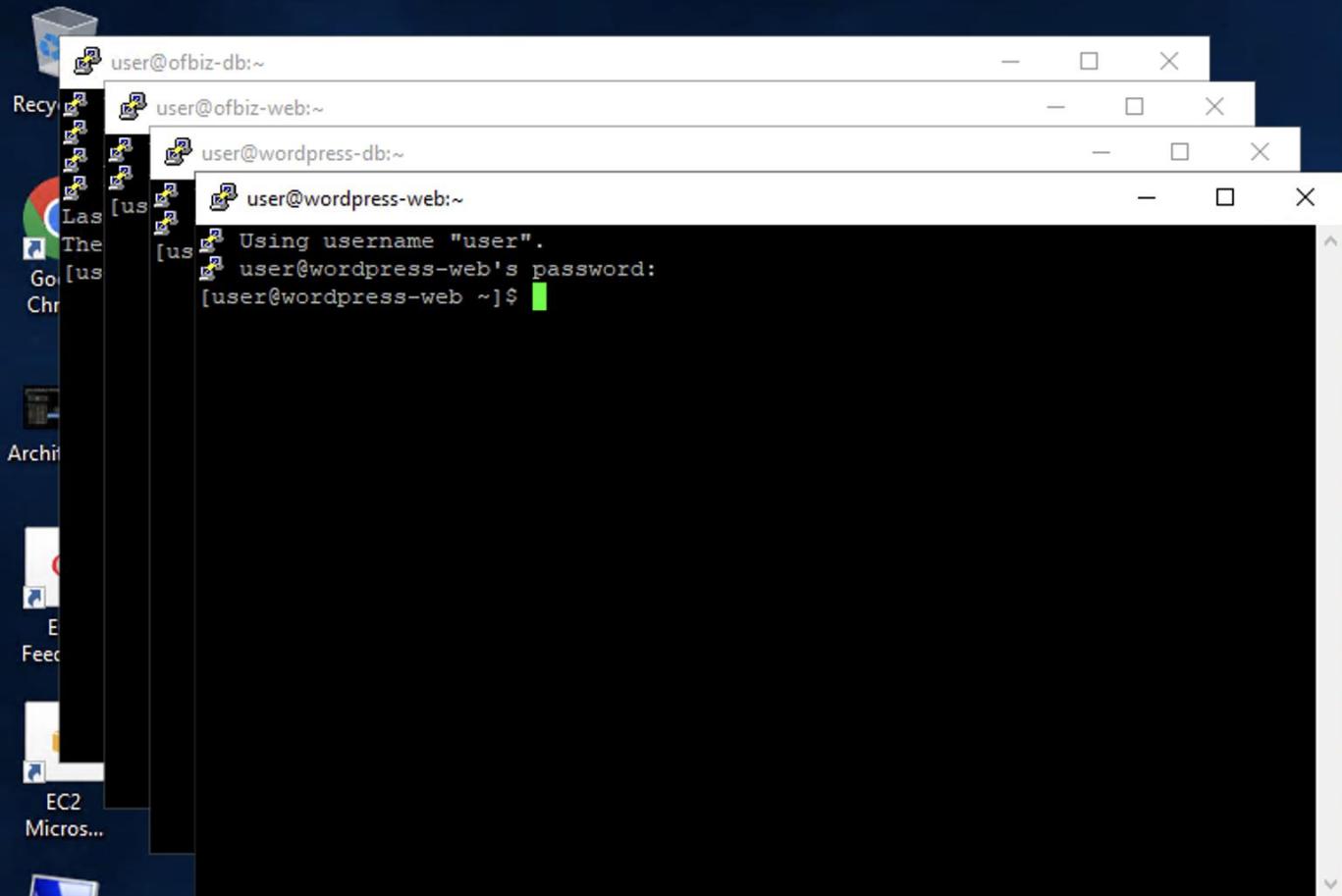
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Recycle Bin



Google Chrome



Architecture



EC2 Feedback



EC2 Micros...



Microsoft Remote...



Putty

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user@ofbiz-db's password:  
Access denied  
user@ofbiz-db's password:  
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There was 1 failed login attempt since the last successful login.  
[user@ofbiz-db ~]$
```

```
user@ofbiz-web:~  
Using username "user".  
user@ofbiz-web's password:  
[user@ofbiz-web ~]$
```

```
user@wordpress-db:~  
Using username "user".  
user@wordpress-db's password:  
[user@wordpress-db ~]$
```

```
user@wordpress-web:~  
Using username "user".  
user@wordpress-web's password:  
[user@wordpress-web ~]$
```

MGN-Dryrun-20240731

Active source servers | AWS

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

AWS Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service

Servers

Source servers 

Applications

Waves

Global view

Launch history

MGN connectors

Import and Export

Import

Export

Settings

Replication template

Launch template

Post-launch template

User preferences

AWS Migration Hub

Documentation

Initialize the service with default replication, launch and post-launch templates.

Import waves, application and server definitions, including EC2 launch template attributes.

Option one: Install the replication agent on the source servers.

Option two: Install the MGN connector in your data center and use it to install the replication agent across your inventory.

Option three: Install the appliance in your vCenter, and activate agentless replication.

Launch instances in EC2, to verify your applications work as expected. Post-launch actions are automatically activated.

Launch cutover instances in EC2, for production. Post-launch actions are automatically activated.

Finalize your migration to remove the agent from your source servers.

Source servers

Active source servers Filter source servers by property or value

	Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
No servers						

Add your source servers to this console by installing the AWS Replication Agent. Alternatively, you can add source servers without installing an agent on each guest server by installing the AWS vCenter client on your vCenter.

Add server

MGN-Dryrun-20240731

Active source servers | AWS

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

AWS Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service

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Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
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Add your source servers to this console by installing the AWS Replication Agent. Alternatively, you can add source servers without installing an agent on each guest server by installing the AWS vCenter client on your vCenter.

Add server

MGN-Dryrun-20240731

Add server | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers/addServers

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service > Active source servers > Add server

Add server

To add your source server to this console, you need to install the AWS Replication Agent on it. Use the options below to construct the installation command, then copy the command and download the installer. [Learn more](#)

Agentless replication is available. [Learn more](#)

AWS Replication Agent installation

1. Select your operating system
 - Linux
 - Windows
 - Legacy OS: Windows Server 2003, Windows Server 2008 or Windows Server 2008 R2
2. Select your replication preferences [Info](#)
 - Replicate all disks 
3. Provide the required credentials [Info](#)

Create an IAM role or user with the AWSApplicationMigrationAgentInstallationPolicy policy.

IAM access key ID

IAM secret access key

MGN-Dryrun-20240731

Add server | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers/addServers

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

3. Provide the required credentials [Info](#)

Create an IAM role or user with the AWSApplicationMigrationAgentInstallationPolicy policy.

IAM access key ID

IAM secret access key

This form does not send the secret – it only adds it to the installation command you can copy

Show

Session token

Session token is only required when using temporary credentials

4. User provided resource id - *optional* [Info](#)

5. Download the installer using this command:

```
sudo wget -O ./aws-replication-installer-init https://aws-applica...Copy
```

If you need to validate the installer hash, the correct hash can be found here:
<https://aws-application-migration-service-hashes-us-west-2.s3.us-west-2.amazonaws.com/latest/linux/aws-replication-installer-init.sha512>

6. Copy and input the command below into the command line on your source server

```
sudo chmod +x aws-replication-installer-init; sudo ./aws-replicat...Copy
```



Possible Data Loss Some features might be lost if you save this workbook in the comma-delimited (.csv) format. To preserve these features, save it in an Excel file format.

Save As...

A1 Access key ID

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U
1	Access key ID	Secret access key																			
2	AKIA2RNZVR	fiHc2EVJG/Nojsp82rPyyoajlGpbn9jBz6Wq/x1P																			
3																					
4																					
5																					
6																					
7																					
8																					
9																					
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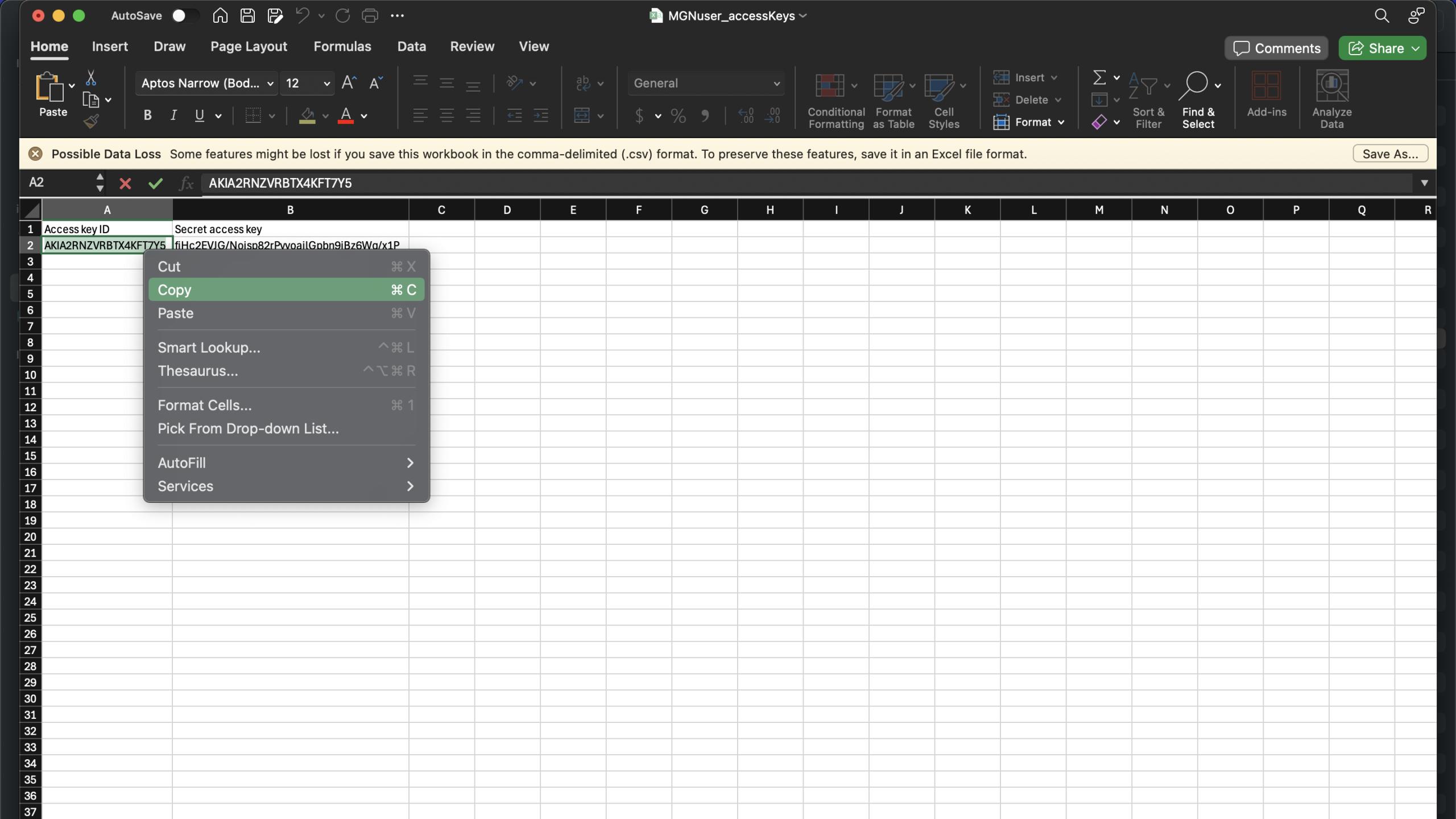
MGNUser_accessKeys

+

Ready

Accessibility: Unavailable

100%



aws

Services

Search [Option+S]



Oregon

WSParticipantRole/Participant @ 7246-2824-4583

EC2

VPC

RDS

S3

Support

Amazon SageMaker

AWS DeepRacer

CloudFormation

3. Provide the required credentials Info

Create an IAM role or user with the `AWSApplicationMigrationAgentInstallationPolicy` policy.

IAM access key ID

IAM secret access key

This form does not send the secret – it only adds it to the installation command you can copy



Session token

Session token is only required when using temporary credentials

4. User provided resource id - optional Info

5. Download the installer using this command:

```
sudo wget -O ./aws-replication-installer-init https://aws-applica...
```



If you need to validate the installer hash, the correct hash can be found here:

<https://aws-application-migration-service-hashes-us-west-2.s3.us-west-2.amazonaws.com/latest/linux/aws-replication-installer-init.sha512>

6. Copy and input the command below into the command line on your source server

```
sudo chmod +x aws-replication-installer-init; sudo ./aws-replicat...
```





Possible Data Loss Some features might be lost if you save this workbook in the comma-delimited (.csv) format. To preserve these features, save it in an Excel file format.

Save As...

B2 fiHc2EVJG/Nojsp82rPyyoajlGpbn9jBz6Wq/x1P

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1	Access key ID	Secret access key																
2	AKIA2RNZVRBTX4KFT7Y5	fiHc2EVJG/Nojsp82rPyyoajlGpbn9jBz6Wq/x1P																
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37																		

Cut ⌘ X
Copy ⌘ C
Paste ⌘ V
Smart Lookup... ⌘ L
Thesaurus... ⌘ R
Format Cells... ⌘ 1
Pick From Drop-down List...
AutoFill >
Services >

MGN-Dryrun-20240731

Add server | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers/addServers

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

3. Provide the required credentials [Info](#)

Create an IAM role or user with the AWSApplicationMigrationAgentInstallationPolicy policy.

IAM access key ID

AKIA2RNZVRBTX4KFT7Y5

IAM secret access key

This form does not send the secret – it only adds it to the installation command you can copy

..... 

Show

Session token

Session token is only required when using temporary credentials

4. User provided resource id - [optional Info](#)

5. Download the installer using this command:

```
sudo wget -O ./aws-replication-installer-init https://aws-applica... 
```

If you need to validate the installer hash, the correct hash can be found here:
<https://aws-application-migration-service-hashes-us-west-2.s3.us-west-2.amazonaws.com/latest/linux/aws-replication-installer-init.sha512>

6. Copy and input the command below into the command line on your source server

```
sudo chmod +x aws-replication-installer-init; sudo ./aws-replicat... 
```

MGN-Dryrun-20240731

Add server | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers/addServers

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

3. Provide the required credentials [Info](#)

Create an IAM role or user with the AWSApplicationMigrationAgentInstallationPolicy policy.

IAM access key ID

AKIA2RNZVRBTX4KFT7Y5

IAM secret access key

This form does not send the secret – it only adds it to the installation command you can copy

..... [Show](#)

Session token

Session token is only required when using temporary credentials

4. User provided resource id - [optional Info](#)

5. Download the installer using this command:

sudo wget -O ./aws-replication-installer-init https://aws-applica... [Copy](#)

If you need to validate the installer hash, the correct hash can be found here:
<https://aws-application-migration-service-hashes-us-west-2.s3.us-west-2.amazonaws.com/latest/linux/aws-replication-installer-init.sha512>

6. Copy and input the command below into the command line on your source server

sudo chmod +x aws-replication-installer-init; sudo ./aws-replicat... [Copy](#)



Recycle Bin



Google Chrome



Architecture



EC2 Feedback



EC2 Micros...



Microsoft Remote...



Putty

```
user@ofbiz-db:~  
Using username "user".  
user@ofbiz-db's password:  
Access denied  
user@ofbiz-db's password:  
Last failed login: Wed Jul 31 16:32:16 UTC 2024 from 192.168.0.47 on ssh:notty  
There was 1 failed login attempt since the last successful login.  
[user@ofbiz-db ~]$
```

```
user@ofbiz-web:~  
Using username "user".  
user@ofbiz-web's password:  
[user@ofbiz-web ~]$
```

```
user@wordpress-db:~  
Using username "user".  
user@wordpress-db's password:  
[user@wordpress-db ~]$
```

```
user@wordpress-web:~  
Using username "user".  
user@wordpress-web's password:  
[user@wordpress-web ~]$
```



Recycle Bin



Google Chrome



Architecture



EC2 Feedback



EC2 Micros...



Microsoft Remote...



```
user@ofbiz-db:~  
Using username "user".  
user@ofbiz-db's password:  
Access denied  
user@ofbiz-db's password:  
Last failed login: Wed Jul 31 16:32:16 UTC 2024 from 192.168.0.47 on ssh:notty  
There was 1 failed login attempt since the last successful login.  
[user@ofbiz-db ~]$ sudo wget -O ./aws-replication-installer-init https://aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com/latest/linux/aws-replication-installer-init
```

```
user@wordpress-db:~  
Using username "user".  
user@wordpress-db's password:  
[user@wordpress-db ~]$ sudo wget -O ./aws-replication-installer-init https://aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com/latest/linux/aws-replication-installer-init
```

```
user@ofbiz-web:~  
Using username "user".  
user@ofbiz-web's password:  
[user@ofbiz-web ~]$ sudo wget -O ./aws-replication-installer-init https://aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com/latest/linux/aws-replication-installer-init
```

```
user@wordpress-web:~  
Using username "user".  
user@wordpress-web's password:  
[user@wordpress-web ~]$ sudo wget -O ./aws-replication-installer-init https://aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com/latest/linux/aws-replication-installer-init
```



Recycle Bin



Google Chrome



Architecture



EC2 Feedback



EC2 Micros...



Microsoft Remote...



Putty

```
user@ofbiz-db:~  
Using username "user".  
user@ofbiz-db's password:  
Last failed login: Wed Jul 31 16:32:16 UTC 2024 from 192.168.0.47 on ssh:notty  
There was 1 failed login attempt since the last successful login.  
[user@ofbiz-db ~]$ sudo wget -O ./aws-replication-installer-init https://aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com/latest/linux/aws-replication-installer-init  
--2024-07-31 16:39:23-- https://aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com/latest/linux/aws-replication-installer-init  
Resolving aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com (aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com) ... 52.92.145.26, 52.92.224.2, 52.218.180.241, ...  
Connecting to aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com (aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com) | 52.92.145.26|:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 11526456 (11M) [binary/octet-stream]  
Saving to: './aws-replication-installer-init'  
  
100%[=====] 11,526,456 18.3MB/s in 0.6s  
  
2024-07-31 16:39:23 (18.3 MB/s) - './aws-replication-installer-init' saved [11526456/11526456]  
  
[user@ofbiz-db ~]$
```

```
user@ofbiz-web:~  
Using username "user".  
user@ofbiz-web's password:  
[user@ofbiz-web ~]$ sudo wget -O ./aws-replication-installer-init https://aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com/latest/linux/aws-replication-installer-init  
--2024-07-31 16:39:24-- https://aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com/latest/linux/aws-replication-installer-init  
Resolving aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com (aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com) ... 52.92.145.26, 52.92.224.2, 52.92.179.226, ...  
Connecting to aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com (aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com) | 52.92.145.26|:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 11526456 (11M) [binary/octet-stream]  
Saving to: './aws-replication-installer-init'  
  
100%[=====] 11,526,456 --.K/s in 0.08s  
  
2024-07-31 16:39:24 (142 MB/s) - './aws-replication-installer-init' saved [11526456/11526456]  
  
[user@ofbiz-web ~]$
```

```
user@wordpress-db:~  
Using username "user".  
user@wordpress-db's password:  
[user@wordpress-db ~]$ sudo wget -O ./aws-replication-installer-init https://aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com/latest/linux/aws-replication-installer-init  
--2024-07-31 16:39:25-- https://aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com/latest/linux/aws-replication-installer-init  
Resolving aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com (aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com) ... 52.218.180.241, 3.5.81.129, 52.92.145.26, ...  
Connecting to aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com (aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com) | 52.218.180.241|:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 11526456 (11M) [binary/octet-stream]  
Saving to: './aws-replication-installer-init'  
  
100%[=====] 11,526,456 --.K/s in 0.1s  
  
2024-07-31 16:39:26 (102 MB/s) - './aws-replication-installer-init' saved [11526456/11526456]
```

```
user@wordpress-web:~  
Using username "user".  
user@wordpress-web's password:  
[user@wordpress-web ~]$ sudo wget -O ./aws-replication-installer-init https://aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com/latest/linux/aws-replication-installer-init  
--2024-07-31 16:39:27-- https://aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com/latest/linux/aws-replication-installer-init  
Resolving aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com (aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com) ... 52.92.145.26, 52.92.224.2, 3.5.77.118, ...  
Connecting to aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com (aws-application-migration-service-us-west-2.s3.us-west-2.amazonaws.com) | 52.92.145.26|:443... connected.  
HTTP request sent, awaiting response... 200 OK  
Length: 11526456 (11M) [binary/octet-stream]  
Saving to: './aws-replication-installer-init'  
  
100%[=====] 11,526,456 --.K/s in 0.09s  
  
2024-07-31 16:39:27 (118 MB/s) - './aws-replication-installer-init' saved [11526456/11526456]
```

MGN-Dryrun-20240731

Add server | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers/addServers

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

3. Provide the required credentials [Info](#)

Create an IAM role or user with the AWSApplicationMigrationAgentInstallationPolicy policy.

IAM access key ID

AKIA2RNZVRBTX4KFT7Y5

IAM secret access key

This form does not send the secret – it only adds it to the installation command you can copy

..... [Show](#)

Session token

Session token is only required when using temporary credentials

4. User provided resource id - [optional Info](#)

5. Download the installer using this command:

```
sudo wget -O ./aws-replication-installer-init https://aws-applica... Copy
```

If you need to validate the installer hash, the correct hash can be found here:
<https://aws-application-migration-service-hashes-us-west-2.s3.us-west-2.amazonaws.com/latest/linux/aws-replication-installer-init.sha512>

6. Copy and input the command below into the command line on your source server

```
sudo chmod +x aws-replication-installer-init; sudo ./aws-replicat... Copy
```

Command copied





Recycle Bin



Google Chrome



Architecture



EC2 Feedback



EC2 Micros...



Microsoft Remote...



Putty

```
[user@ofbiz-db ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIA2RNZVRBTX4KFT7Y5 --aws-secret-access-key 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 --no-prompt
```

```
[user@ofbiz-web ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIA2RNZVRBTX4KFT7Y5 --aws-secret-access-key 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 --no-prompt
```

```
[user@wordpress-db ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIA2RNZVRBTX4KFT7Y5 --aws-secret-access-key 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 --no-prompt
```

```
[user@wordpress-web ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIA2RNZVRBTX4KFT7Y5 --aws-secret-access-key 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 --no-prompt
```



Recycle Bin



Google Chrome



Architecture



EC2 Feedback



EC2 Micros...



Microsoft Remote...



```
[user@ofbiz-db ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIA2RNZVRBTX4KFT7Y5 --aws-secret-access-key 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 --no-prompt  
The installation of the AWS Replication Agent has started.  
Identifying volumes for replication.  
Identified volume for replication: /dev/nvme0nl of size 8 GiB  
All volumes for replication were successfully identified.  
Downloading the AWS Replication Agent onto the source server...  
[user@ofbiz-db ~]$
```

```
[user@ofbiz-web ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIA2RNZVRBTX4KFT7Y5 --aws-secret-access-key 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 --no-prompt  
The installation of the AWS Replication Agent has started.  
Identifying volumes for replication.  
Identified volume for replication: /dev/nvme0nl of size 8 GiB  
All volumes for replication were successfully identified.  
Downloading the AWS Replication Agent onto the source server...  
[user@ofbiz-web ~]$
```

```
[user@wordpress-db ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIA2RNZVRBTX4KFT7Y5 --aws-secret-access-key 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 --no-prompt  
The installation of the AWS Replication Agent has started.  
Identifying volumes for replication.  
Identified volume for replication: /dev/nvme0nl of size 8 GiB  
All volumes for replication were successfully identified.  
Downloading the AWS Replication Agent onto the source server...  
[user@wordpress-db ~]$
```

```
[user@wordpress-web ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIA2RNZVRBTX4KFT7Y5 --aws-secret-access-key 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 --no-prompt  
The installation of the AWS Replication Agent has started.  
Identifying volumes for replication.  
Identified volume for replication: /dev/nvme0nl of size 8 GiB  
All volumes for replication were successfully identified.  
Downloading the AWS Replication Agent onto the source server...  
[user@wordpress-web ~]$
```



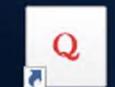
Recycle Bin



Google Chrome



Architecture



EC2 Feedback



EC2 Micros...



Microsoft Remote...



Putty

```
[user@ofbiz-db ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIA2RNZVRBTX4KFT7Y5 --aws-secret-access-key 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 --no-prompt
The installation of the AWS Replication Agent has started.
Identifying volumes for replication.
Identified volume for replication: /dev/nvme0n1 of size 8 GiB
All volumes for replication were successfully identified.
Downloading the AWS Replication Agent onto the source server...
Finished.
Installing the AWS Replication Agent onto the source server...
Finished.
Syncing the source server with the Application Migration Service Console...
Finished.
The following is the source server ID: s-5a9dale497fb920ac.
You now have 1 active source server out of a total quota of 150.
Learn more about increasing source servers limit at https://docs.aws.amazon.com/mgn/latest/ug/MGN-service-limits.html
The AWS Replication Agent was successfully installed.
[user@ofbiz-db ~]$ ]
```

```
[user@ofbiz-web ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIA2RNZVRBTX4KFT7Y5 --aws-secret-access-key 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 --no-prompt
The installation of the AWS Replication Agent has started.
Identifying volumes for replication.
Identified volume for replication: /dev/nvme0n1 of size 8 GiB
All volumes for replication were successfully identified.
Downloading the AWS Replication Agent onto the source server...
Finished.
Installing the AWS Replication Agent onto the source server...
Finished.
Syncing the source server with the Application Migration Service Console...
Finished.
The following is the source server ID: s-5lf82lb27b5ed640d.
You now have 3 active source servers out of a total quota of 150.
Learn more about increasing source servers limit at https://docs.aws.amazon.com/mgn/latest/ug/MGN-service-limits.html
The AWS Replication Agent was successfully installed.
[user@ofbiz-web ~]$ ]
```

```
[user@wordpress-db ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIA2RNZVRBTX4KFT7Y5 --aws-secret-access-key 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 --no-prompt
The installation of the AWS Replication Agent has started.
Identifying volumes for replication.
Identified volume for replication: /dev/nvme0n1 of size 8 GiB
All volumes for replication were successfully identified.
Downloading the AWS Replication Agent onto the source server...
Finished.
Installing the AWS Replication Agent onto the source server...
Finished.
Syncing the source server with the Application Migration Service Console...
Finished.
The following is the source server ID: s-517e54da857180121.
You now have 4 active source servers out of a total quota of 150.
Learn more about increasing source servers limit at https://docs.aws.amazon.com/mgn/latest/ug/MGN-service-limits.html
The AWS Replication Agent was successfully installed.
[user@wordpress-db ~]$ ]
```

```
[user@wordpress-web ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIA2RNZVRBTX4KFT7Y5 --aws-secret-access-key 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 --no-prompt
The installation of the AWS Replication Agent has started.
Identifying volumes for replication.
Identified volume for replication: /dev/nvme0n1 of size 8 GiB
All volumes for replication were successfully identified.
Downloading the AWS Replication Agent onto the source server...
Finished.
Installing the AWS Replication Agent onto the source server...
Finished.
Syncing the source server with the Application Migration Service Console...
Finished.
The following is the source server ID: s-59d27b072aa7f4269.
You now have 2 active source servers out of a total quota of 150.
Learn more about increasing source servers limit at https://docs.aws.amazon.com/mgn/latest/ug/MGN-service-limits.html
The AWS Replication Agent was successfully installed.
[user@wordpress-web ~]$ ]
```

MGN-Dryrun-20240731

Active source servers | AWS

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

aws Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

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Documentation

Application Migration Service > Active source servers

Show 'How it works' Show 'Migration metrics'

Introducing: Elastic Disaster Recovery

Protect your applications using AWS Elastic Disaster Recovery (AWS DRS), a new service that enables organizations to minimize downtime and data loss with fast, reliable recovery of on-premises and cloud-based applications. [Learn more](#)

Migration tip #2

Many customers report that by first lifting and shifting their applications to AWS, and then modernizing them, they were able to reduce risk, and save time and costs. [Learn more](#)

Hide future tips

How it works

Setup service	Import inventory - <i>optional</i>	Replicate to AWS	Test	Cutover
				
Setup service Initialize the service with default replication, launch and post-launch templates.	Import inventory - <i>optional</i> Import waves, application and server definitions, including EC2 launch template	Replicate to AWS Option one: Install the replication agent on the source servers. Option two: Install the	Test Launch instances in EC2, to verify your applications work as expected. Post-launch	Cutover Launch cutover instances in EC2, for production. Post-launch actions are automatically activated.

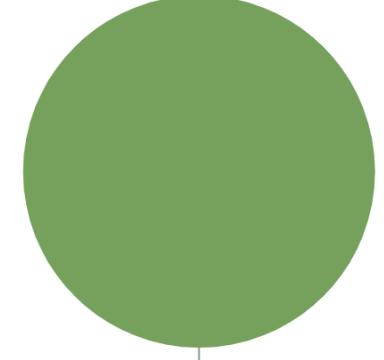
EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Application Migration Service

Migration metrics

Alerts Info

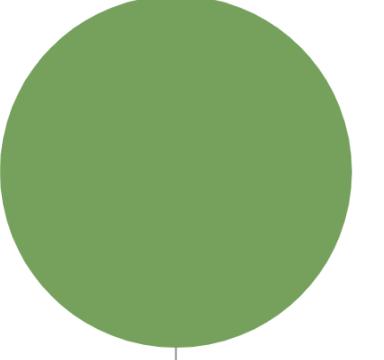
Filter servers Select status to filter



Healthy
4 servers, 100%

Data replication status Info

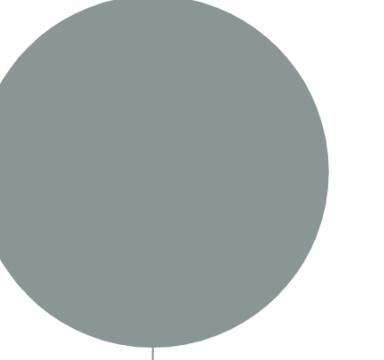
Filter servers Select status to filter



Initiating
4 servers, 100%

Migration lifecycle Info

Filter servers Select status to filter



Not ready
4 servers, 100%

Source servers (4)

Actions ▾ Replication ▾ Test and cutover ▾ Add server

Active source servers ▾ Filter source servers by property or value < 1 > ⚙

Server Name	Status	Actions
Server 1	Healthy	View Details
Server 2	Initiating	View Details
Server 3	Not ready	View Details
Server 4	Not ready	View Details

MGN-Dryrun-20240731

Active source servers | AWS

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

AWS Services Search [Option+S]

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AWS Migration Hub Documentation

Source servers (4)

Actions Replication Test and cutover Add server

Active source servers Filter source servers by property or value

	Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
<input type="checkbox"/>	ofbiz-db.onpremsim.env	-	Not ready	Initiating	-	Wait for initial s
<input type="checkbox"/>	ofbiz-web.onpremsim.env	-	Not ready	Initiating	-	Wait for initial s
<input type="checkbox"/>	wordpress-db.onpremsim.env	-	Not ready	Initiating	-	Wait for initial s
<input type="checkbox"/>	wordpress-web.onpremsim.env	-	Not ready	Initiating	-	Wait for initial s

Healthy 4 servers, 100% Initiating 4 servers, 100% Not ready 4 servers, 100%

MGN-Dryrun-20240731

Source server details | AWS

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers/724628244583/s-59d27b072aa7f4269/migration_dashboard

AWS Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Data replication status Info

Initiating

Replication progress	Replication type	Elapsed replication time
0%	Agent based	5 min
	Total replicated storage	Last seen
	0 of 8 GiB	August 01, 2024 at 00:47 (UTC+8:00)
	Lag	Replication start time
	-	August 01, 2024 at 00:47 (UTC+8:00)
	Backlog	
	-	

Replication initiation steps

✓ Create security groups	Last start time
✓ Launch Replication Server	August 01, 2024 at 00:45 (UTC+8:00)
✓ Boot Replication Server	Next attempt time
✓ Authenticate with service	-
✓ Download replication software	
✓ Create staging disks	

Application Migration Service

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- Configure Default Target Templates
- Create AWS Replication Agent IAM User
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- Create and Tag Applications and Waves
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- Launch Cutover Instance
- Update DNS and Validate the applications
- Finalize cutover and Archive Servers



MGN-Dryrun-20240731

Active source servers | AWS

catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-configuration-and-deployment/5-mgn-lyfecycle

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Configuration and Deployment

- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle**
- Create and Tag Applications and Waves
- [Optional] Modify the EC2 Launch Template

Testing and Validation

Cutover

- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications

Finalize Migration and Cleanup

AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

Content preferences

- Language
- English

Event dashboard > Configuration and Deployment > AWS MGN Migration Life Cycle

AWS MGN Migration Life Cycle

Monitoring replication progress.

You should see the progress bar for each server once you click on it. It starts with 0% and can take ~15-20 minutes to complete the replication for each server.

To initiate the replication, AWS MGN goes through a series of **replication initial steps** for each of the source servers. When all initial steps are completed and marked green, AWS MGN starts replicating the data and will enable the **replication progress** bar.

Application Migration Service > Source servers > wordpress-web.onpremsim.env

wordpress-web.onpremsim.env (s-54bf8c9412000956d)

Actions ▾ Replication ▾ Test and cutover ▾

Next actions Info

Wait for initial sync to complete

Migration dashboard Server info Tags Disks settings Replication settings Launch settings Post-launch settings

Lifecycle

MGN-Dryrun-20240731

Source server details | AWS

catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-configuration-and-deployment/5-mgn-lifecycle

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Configuration and Deployment

- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle**
- Create and Tag Applications and Waves
- [Optional] Modify the EC2 Launch Template

Testing and Validation

Cutover

- Shutdown Source Environment
- Launch Cutover Instance
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Finalize Migration and Cleanup

AWS account access

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- Get EC2 SSH key

Content preferences

Language: English

Not ready - The server is undergoing the *Initial Sync* process and is not yet ready for testing. This process might take a few hours to a few days depending on the network bandwidth and size of the source server.

Lifecycle Info

Not ready	Ready for testing	Test in progress	Ready for cutover	Cutover in progress	Cutover complete
Launch status	Post-launch actions status	Last test	Cutover	-	-

Data replication status Info

Initial sync

Replication progress	Replication type	Elapsed replication time
18% 14 min left	Agent based	6 min
	Total replicated storage	Last seen

MGN-Dryrun-20240731

Source server details | AWS

catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-configuration-and-deployment/5-mgn-lifecycle

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Configuration and Deployment

- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle**
- Create and Tag Applications and Waves
- [Optional] Modify the EC2 Launch Template

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Cutover

- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications

Finalize Migration and Cleanup

AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

Content preferences

Language: English

Ready for testing - The server has been successfully added to Application Migration Service and Initial Sync has completed. Test or Cutover instances can now be launched for this server.

Lifecycle Info

Not ready	Ready for testing	Test in progress	Ready for cutover	Cutover in progress	Cutover complete
Launch status	-	Post-launch actions status	-	Last test	Cutover

- Test in progress** - A Test instance is currently being launched for this server. Note there's a link to the **Job ID** of the launch job that is associated with the launch of this instance.

Lifecycle Info

Not ready	Ready for testing	Test in progress	Ready for cutover	Cutover in progress	Cutover complete
Launch status	-	Post-launch actions status	-	Last test	Cutover

MGN-Dryrun-20240731

Source server details | AWS A

catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-configuration-and-deployment/5-mgn-lifecycle

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Configuration and Deployment

- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle**
- Create and Tag Applications and Waves
- [Optional] Modify the EC2 Launch Template

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Cutover

- Shutdown Source Environment
- Launch Cutover Instance
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Finalize Migration and Cleanup

AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

Content preferences

Language: English

Test in progress - A Test instance is currently being launched for this server. Note there's a link to the **Job ID** of the launch job that is associated with the launch of this instance.

Migration dashboard Server info Tags Disks settings Replication settings Launch settings Post-launch settings

Lifecycle Info

Not ready	Ready for testing	Test in progress	Ready for cutover	Cutover in progress	Cutover complete
Launch status * Waiting	Post-launch actions status -	Last test Job ID: mgnjob-5a8dc672f417661d9 Started: March 31, 2023 at 19:10 (UTC-4:00)	Cutover -		

- Ready for cutover - This server has been tested and is now ready for a Cutover instance to be launched.

Migration dashboard Server info Tags Disks settings Replication settings Launch settings Post-launch settings

Lifecycle Info

Not ready	Ready for testing	Test in progress	Ready for cutover	Cutover in progress	Cutover complete
Launch status * Waiting	Post-launch actions status -	Last test Job ID: mgnjob-5a8dc672f417661d9 Started: March 31, 2023 at 19:10 (UTC-4:00)	Cutover -		

MGN-Dryrun-20240731

Source server details | AWS A

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Configuration and Deployment

- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle**
- Create and Tag Applications and Waves
- [Optional] Modify the EC2 Launch Template

Testing and Validation

Cutover

- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications

Finalize Migration and Cleanup

AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

Content preferences

Language: English

Ready for cutover - This server has been tested and is now ready for a Cutover instance to be launched.

Lifecycle Info

Not ready	Ready for testing	Test in progress	Ready for cutover	Cutover in progress	Cutover complete
Launch status	-	-	Post-launch actions status	Last test Job ID: mgnjob-5a8dc672f417661d9 Started: March 31, 2023 at 19:10 (UTC-4:00)	Cutover

- Cutover in progress** - A Cutover instance is currently being launched for this server. Note there's a link to the **Job ID** of the new launch job that is associated with the launch of this instance.

Lifecycle Info

Not ready	Ready for testing	Test in progress	Ready for cutover	Cutover in progress	Cutover complete
-----------	-------------------	------------------	-------------------	----------------------------	------------------

MGN-Dryrun-20240731 Source server details | AWS A +

catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-configuration-and-deployment/5-mgn-lifecycle

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Configuration and Deployment

- Install the AWS Replication Agent
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- [Optional] Modify the EC2 Launch Template

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- Shutdown Source Environment
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Finalize Migration and Cleanup

AWS account access

- Open AWS console (us-west-2) 
- Get AWS CLI credentials
- Get EC2 SSH key

Content preferences

Language English ▾

Cutover in progress - A Cutover instance is currently being launched for this server. Note there's a link to the **Job ID** of the new launch job that is associated with the launch of this instance.

Lifecycle Info



Not ready	Ready for testing	Test in progress	Ready for cutover	Cutover in progress	Cutover complete
Launch status Waiting	Post-launch actions status -	Last test Job ID: mgnjob-5a8dc672f417661d9 Started: March 31, 2023 at 19:10 (UTC-4:00)	Cutover Job ID: mgnjob-5b9c63324add37d62 Started: March 31, 2023 at 19:23 (UTC-4:00)		

- Cutover complete** - This server's migration has been complete. All of the resources associated with migration of this server have been cleaned up.

Lifecycle Info



Not ready	Ready for testing	Test in progress	Ready for cutover	Cutover in progress	Cutover complete
-----------	-------------------	------------------	-------------------	---------------------	-------------------------



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▼ Configuration and Deployment

Install the AWS Replication Agent

AWS MGN Migration Life Cycle

Create and Tag Applications and Waves

[Optional] Modify the EC2 Launch Template

► Testing and Validation

▼ Cutover

Shutdown Source Environment

Launch Cutover Instance

Update DNS and Validate the applications

► Finalize Migration and Cleanup

▼ AWS account access

Open AWS console
(us-west-2)

Get AWS CLI credentials

Get EC2 SSH key

▼ Content preferences

Language

English

Cutover complete - This server's migration has been complete. All of the resources associated with migration of this server have been cleaned up.

Migration dashboard					
Lifecycle Info					
Not ready	Ready for testing	Test in progress	Ready for cutover	Cutover in progress	Cutover complete
Launch status	Post-launch actions status	Last test	Cutover		
Launched	-	Job ID: mgnjob-5a8dc672f417661d9	Job ID: mgnjob-5b9c63324add37d62	Started: March 31, 2023 at 19:23 (UTC-4:00)	Started: March 31, 2023 at 19:23 (UTC-4:00)
First boot: Stopped		Started: March 31, 2023 at 19:10 (UTC-4:00)		Finalized: March 31, 2023 at 19:32 (UTC-4:00)	Finalized: March 31, 2023 at 19:32 (UTC-4:00)
View in EC2 console					

⚠ Optional: Read this document to learn more about each state - <https://docs.aws.amazon.com/mgn/latest/ug/lifecycle.html>

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- Launch Cutover Instance
- Update DNS and Validate the applications
- Finalize cutover and Archive Servers



catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-configuration-and-deployment/6-create-tag-applications-waves

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Configuration and Deployment

- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves**
- [Optional] Modify the EC2 Launch Template

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Cutover

- Shutdown Source Environment
- Launch Cutover Instance
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Finalize Migration and Cleanup

AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

Content preferences

Language English

Event dashboard > Configuration and Deployment > Create and Tag Applications and Waves

Create and Tag Applications and Waves

Tagging lets you assign metadata to AWS resources in the form of tags. Each tag is a simple label consisting of a customer-defined key and an optional value that can make it easier to manage, search for, and filter resources. Tags can be applied individually on the source server level. Each tag applied on the server level will be assigned to the target EC2 instance and the EBS volume(s) attached to that instance.

⚠️ These tags will **NOT** be applied to the target servers unless you select **Transfer server tags** in the **Launch settings**, either in the default configuration or individually per each source server.
We already enabled this feature for all servers when configured **default** settings in the [Configure Default Target Templates](#) step.

AWS MGN allows you to group source servers into applications, to manage migration at the application level (f.e., initiate launch of test instances or cutover). Grouping into application also allows you to apply tags per application, so each application-specific tag will be applied to each server included into this application.

Similarly, AWS MGN allows you to group several applications into migration wave, to manage migration tasks (launch of test/cutover instances) and wave-specific tags. As an example, you could have a business-unit or ownership tags assigned at the migration wave level, application-specific tags at application level, and individual server-specific tags (ie: web/database, etc) assigned individually per each server.

ⓘ Applications are groups of **servers** that function together to provide a business need. There are dependencies between the servers, as they work together, have shared networking, and are needed for the functionality to work correctly. For example, a large application that has a database, a few web servers, and some backend servers that perform some calculation. All of these servers need to be migrated together, so that in production, there is a fully functional application.

MGN-Dryrun-20240731

Applications | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/applications

AWS Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

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Application Migration Service > Applications

Applications (0) Info

You can create an application to group servers with a shared business purpose.

Active applications ▾ Filter applications by property or value < 1 > ⚙️

Application name	Migration status	Alerts	Number of servers
No applications			

You can create an application to group servers with a shared business purpose.

Add application

Show 'How it works'

MGN-Dryrun-20240731

Applications | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/applications

AWS Services Search [Option+S]

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Application Migration Service > Applications

Applications (0) Info

You can create an application to group servers with a shared business purpose.

Active applications ▾ Filter applications by property or value < 1 > ⚙️

Application name	Migration status	Alerts	Number of servers
No applications			

You can create an application to group servers with a shared business purpose.

Add application



MGN-Dryrun-20240731

Add application | AWS App

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/applications/addApplication

Services

Search [Option+S]

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Application Migration Service > Applications > Add application

Add application Info

You can create an application to group servers with a shared business purpose.

Settings

Name
Enter a name for this application
Example: App no. 1
Min: 1 character, Max: 256 characters

Account ID
Select the account this application will be associated with.
724628244583
An application can only be associated with a single account.

Description - optional
Example: This is a description of App no. 1. (600 character limit)
600 characters left

Servers
Select servers to associate with this application

MGN-Dryrun-20240731 Add application | AWS Application catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-configuration-and-deployment/6-create-tag-applications-waves michael_tw_lin

aws workshop studio

Configuration and Deployment

- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves**
- [Optional] Modify the EC2 Launch Template

▶ Testing and Validation

▼ Cutover

- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications

▶ Finalize Migration and Cleanup

▼ AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

▼ Content preferences

Language English ▾

2. On the "Add application" screen:

- Enter the name for the application, ie: **Wordpress**
- Add description for the application, ie: Wordpress application includes 2 servers: Web and DB
- Select servers from the list of available source servers that belong to this application
- Add application-specific tags

Repeat the steps for all applications as per the table below:

Application name	Description	Servers included	Tag Key	Tag Value
Wordpress	Wordpress application includes Web & DB servers	wordpress-web, wordpress-db	Application	Wordpress
Offbiz	Offbiz application includes Web & DB servers	offbiz-web, offbiz-db	Application	Offbiz
Windows	Windows application	windows.onpremsim.env	Application	Windows

Application Migration Service > Applications > Add application

Add application Info

Application settings

MGN-Dryrun-20240731

Add application | AWS Applica

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/applications/addApplication

Services

Search [Option+S]

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Application: Wordpress added successfully

Application Migration Service > Applications > Add application

Add application Info

You can create an application to group servers with a shared business purpose.

Settings

Name
Enter a name for this application
 
Min: 1 character, Max: 256 characters

Account ID
Select the account this application will be associated with.

An application can only be associated with a single account.

Description - optional
Example: This is a description of App no. 1. (600 character limit)

600 characters left

MGN-Dryrun-20240731 Add application | AWS Application catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-configuration-and-deployment/6-create-tag-applications-waves michael_tw_lin

aws workshop studio

Configuration and Deployment

- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves**
- [Optional] Modify the EC2 Launch Template

Testing and Validation

Cutover

- Shutdown Source Environment
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Content preferences

Language English ▾

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Wordpress	Wordpress application includes Web & DB servers	wordpress-web, wordpress-db	Application	Wordpress
Offbiz	Offbiz application includes Web & DB servers	offbiz-web, offbiz-db	Application	Offbiz
Windows	Windows application	windows.onpremsim.env	Application	Windows

Application Migration Service > Applications > Add application

Add application Info

Application settings

MGN-Dryrun-20240731

Add application | AWS App

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/applications/addApplication

Services

Search [Option+S]

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Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service > Applications > Add application

Add application Info

You can create an application to group servers with a shared business purpose.

Settings

Name
Enter a name for this application

Min: 1 character, Max: 256 characters

Account ID
Select the account this application will be associated with.

An application can only be associated with a single account.

Description - optional

553 characters left

Servers
Select servers to associate with this application



MGN-Dryrun-20240731

Add application | AWS App

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/applications/addApplication

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

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Settings

Name
Enter a name for this application
Wordpress

Active servers

- ofbiz-db.onpremsim.env
s-5a9da1e497fb920ac
- wordpress-web.onpremsim.env
s-59d27b072aa7f4269
- ofbiz-web.onpremsim.env
s-51f821b27b5ed640d
- wordpress-db.onpremsim.env
s-517e54da857180121

Archived servers

End of servers results

Select servers

wordpress-web.onpremsim.env X
s-59d27b072aa7f4269

wordpress-db.onpremsim.env X
s-517e54da857180121

A server may be associated with a single application.

The screenshot shows the AWS MGN console interface for adding a new application. In the 'Active servers' section, two specific servers are highlighted with red arrows: 'wordpress-web.onpremsim.env' and 'wordpress-db.onpremsim.env'. Both of these servers have their checkboxes selected, which is visually represented by a blue checkmark inside a white square. This indicates that both servers will be associated with the new application named 'Wordpress'.

MGN-Dryrun-20240731

Add application | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/applications/addApplication

AWS Services Search [Option+S] Oregon WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Account ID
Select the account this application will be associated with.
724628244583

An application can only be associated with a single account.

Description - optional
Wordpress application includes Web & DB servers
553 characters left

Servers
Select servers to associate with this application.
Select servers

wordpress-web.onpremsim.env X s-59d27b072aa7f4269
wordpress-db.onpremsim.env X s-517e54da857180121

A server may be associated with a single application.

Tags - optional

Key Value - optional
Enter key Enter value Remove
Custom tag key
Add new tag

MGN-Dryrun-20240731 Add application | AWS Application catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-configuration-and-deployment/6-create-tag-applications-waves

aws workshop studio

Configuration and Deployment

- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves**
- [Optional] Modify the EC2 Launch Template

▶ Testing and Validation

▼ Cutover

- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications

▶ Finalize Migration and Cleanup

▼ AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

▼ Content preferences

Language English ▾

2. On the "Add application" screen:

- Enter the name for the application, ie: Wordpress
- Add description for the application, ie: Wordpress application includes 2 servers: Web and DB
- Select servers from the list of available source servers that belong to this application
- Add application-specific tags

Repeat the steps for all applications as per the table below:

Application name	Description	Servers included	Tag Key	Tag Value
Wordpress	Wordpress application includes Web & DB servers	wordpress-web, wordpress-db	Application	Wordpress
Offbiz	Offbiz application includes Web & DB servers	offbiz-web, offbiz-db	Application	Offbiz
Windows	Windows application	windows.onpremsim.env	Application	Windows

Application Migration Service > Applications > Add application

Add application Info

Application settings

MGN-Dryrun-20240731

Add application | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/applications/addApplication

AWS Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Account ID
Select the account this application will be associated with.
724628244583

An application can only be associated with a single account.

Description - optional
Wordpress application includes Web & DB servers
553 characters left

Servers
Select servers to associate with this application.
Select servers

wordpress-web.onpremsim.env X s-59d27b072aa7f4269
wordpress-db.onpremsim.env X s-517e54da857180121

A server may be associated with a single application.

Tags - optional
Key Application (highlighted with a red arrow) X Value - optional Enter value Remove
Use Application Add new tag
You can add up to 49 more tags.

MGN-Dryrun-20240731 Add application | AWS Application catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-configuration-and-deployment/6-create-tag-applications-waves

aws workshop studio

Configuration and Deployment

- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves**
- [Optional] Modify the EC2 Launch Template

▶ Testing and Validation

▼ Cutover

- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications

▶ Finalize Migration and Cleanup

▼ AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

▼ Content preferences

Language English ▾

2. On the "Add application" screen:

- Enter the name for the application, ie: Wordpress
- Add description for the application, ie: Wordpress application includes 2 servers: Web and DB
- Select servers from the list of available source servers that belong to this application
- Add application-specific tags

Repeat the steps for all applications as per the table below:

Application name	Description	Servers included	Tag Key	Tag Value
Wordpress	Wordpress application includes Web & DB servers	wordpress-web, wordpress-db	Application	Wordpress
Offbiz	Offbiz application includes Web & DB servers	offbiz-web, offbiz-db	Application	Offbiz
Windows	Windows application	windows.onpremsim.env	Application	Windows

Application Migration Service > Applications > Add application

Add application Info

Application settings

MGN-Dryrun-20240731

Add application | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/applications/addApplication

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Account ID
Select the account this application will be associated with.
724628244583

An application can only be associated with a single account.

Description - optional
Wordpress application includes Web & DB servers
553 characters left

Servers
Select servers to associate with this application.
Select servers

wordpress-web.onpremsim.env X s-59d27b072aa7f4269
wordpress-db.onpremsim.env X s-517e54da857180121

A server may be associated with a single application.

Tags - optional

Key Application Value - optional Application Remove

Add new tag Use Application

You can add up to 49 more tags.

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/applications/addApplication

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

724628244583

An application can only be associated with a single account.

Description - optional

Wordpress application includes Web & DB servers

553 characters left

Servers

Select servers to associate with this application.

Select servers ▾

wordpress-web.onpremsim.env X s-59d27b072aa7f4269

wordpress-db.onpremsim.env X s-517e54da857180121

A server may be associated with a single application.

Tags - optional

Key Value - optional

Application Application Remove

Add new tag

You can add up to 49 more tags.

Cancel Add application

MGN-Dryrun-20240731

Applications | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/applications

AWS Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service

Application: Wordpress added successfully

Application Migration Service > Applications

Show 'How it works'

Applications (1) Info

You can create an application to group servers with a shared business purpose.

Active applications ▾ Filter applications by property or value < 1 > ⚙️

<input type="checkbox"/> Application name	Migration status	Alerts	Number of servers
Wordpress	Not started	Healthy	2

Last update: August 01, 2024 at 01:32 (UTC+8:00)

Servers

Source servers

Applications

Waves

Global view

Launch history

MGN connectors

Import and Export

Import

Export

Settings

Replication template

Launch template

Post-launch template

User preferences

AWS Migration Hub

Documentation

Add application



MGN-Dryrun-20240731

Add application | AWS App

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/applications/addApplication

Services

Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application: Wordpress added successfully

Application Migration Service > Applications > Add application

Add application Info

You can create an application to group servers with a shared business purpose.

Settings

Name
Enter a name for this application
Example: App no. 1
Min: 1 character, Max: 256 characters

Account ID
Select the account this application will be associated with.
724628244583
An application can only be associated with a single account.

Description - optional
Example: This is a description of App no. 1. (600 character limit)

600 characters left

MGN-Dryrun-20240731 Add application | AWS Application catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-configuration-and-deployment/6-create-tag-applications-waves

aws workshop studio

Configuration and Deployment

- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves**
- [Optional] Modify the EC2 Launch Template

▶ Testing and Validation

▼ Cutover

- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications

▶ Finalize Migration and Cleanup

▼ AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

▼ Content preferences

Language English ▾

2. On the "Add application" screen:

- Enter the name for the application, ie: Wordpress
- Add description for the application, ie: Wordpress application includes 2 servers: Web and DB
- Select servers from the list of available source servers that belong to this application
- Add application-specific tags

Repeat the steps for all applications as per the table below:

Application name	Description	Servers included	Tag Key	Tag Value
Wordpress	Wordpress application includes Web & DB servers	wordpress-web, wordpress-db	Application	Wordpress
Offbiz	Offbiz application includes Web & DB servers	offbiz-web, offbiz-db	Application	Offbiz
Windows	Windows application	windows.onpremsim.env	Application	Windows

Application Migration Service > Applications > Add application

Add application Info

Application settings

Red arrow pointing to the 'Offbiz' application row in the table.

MGN-Dryrun-20240731

Add application | AWS App

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/applications/addApplication

Services

Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application: Wordpress added successfully

Application Migration Service > Applications > Add application

Add application Info

You can create an application to group servers with a shared business purpose.

Settings

Name
Enter a name for this application
 ←
Min: 1 character, Max: 256 characters

Account ID
Select the account this application will be associated with.

An application can only be associated with a single account.

Description - optional
Example: This is a description of App no. 1. (600 character limit)

600 characters left

MGN-Dryrun-20240731 Add application | AWS Application catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-configuration-and-deployment/6-create-tag-applications-waves

aws workshop studio

Configuration and Deployment

- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves**
- [Optional] Modify the EC2 Launch Template

▶ Testing and Validation

▼ Cutover

- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications

▶ Finalize Migration and Cleanup

▼ AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

▼ Content preferences

Language English ▾

2. On the "Add application" screen:

- Enter the name for the application, ie: Wordpress
- Add description for the application, ie: Wordpress application includes 2 servers: Web and DB
- Select servers from the list of available source servers that belong to this application
- Add application-specific tags

Repeat the steps for all applications as per the table below:

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Offbiz	Offbiz application includes Web & DB servers	offbiz-web, offbiz-db	Application	Offbiz
Windows	Windows application	windows.onpremsim.env	Application	Windows

Application Migration Service > Applications > Add application

Add application Info

Application settings

A red arrow points to the "Description" field for the "Offbiz" application row in the table.

MGN-Dryrun-20240731

Add application | AWS Applica

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/applications/addApplication

Services

Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application: Wordpress added successfully

Application Migration Service > Applications > Add application

Add application Info

You can create an application to group servers with a shared business purpose.

Settings

Name
Enter a name for this application

Min: 1 character, Max: 256 characters

Account ID
Select the account this application will be associated with.

An application can only be associated with a single account.

Description - optional
 
556 characters left

MGN-Dryrun-20240731

Add application | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/applications/addApplication

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Offbiz

Min: 1 character, Max: 256 characters

Account ID

Select the account this application will be associated with.

724628244583

An application can only be associated with a single account.

Description - optional

Offbiz application includes Web & DB servers

556 characters left

Servers

Select servers to associate with this application.

Select servers

Active servers

- ofbiz-db.onpremsim.env s-5a9da1e497fb920ac
- ofbiz-web.onpremsim.env s-51f821b27b5ed640d

Archived servers

End of servers results

Add new tag

The screenshot shows the 'Add application' screen in the AWS MGN console. The 'Servers' section is open, displaying two active servers: 'ofbiz-db.onpremsim.env' and 'ofbiz-web.onpremsim.env'. Both servers have a blue checkmark next to them. Two red arrows point to these specific server entries, likely indicating they are selected or being highlighted for configuration. The 'Archived servers' section is also visible below the active ones.

MGN-Dryrun-20240731

Add application | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/applications/addApplication

AWS Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Account ID
Select the account this application will be associated with.
724628244583

An application can only be associated with a single account.

Description - optional
Offbiz application includes Web & DB servers
556 characters left

Servers
Select servers to associate with this application.
Select servers

ofbiz-db.onpremsim.env X s-5a9da1e497fb920ac
ofbiz-web.onpremsim.env X s-51f821b27b5ed640d

A server may be associated with a single application.

Tags - optional

Key Value - optional

Enter key Enter value Remove

Custom tag key Add new tag

You can add up to 49 more tags.

MGN-Dryrun-20240731 Add application | AWS Application catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-configuration-and-deployment/6-create-tag-applications-waves

aws workshop studio

Configuration and Deployment

- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves**
- [Optional] Modify the EC2 Launch Template

▶ Testing and Validation

▼ Cutover

- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications

▶ Finalize Migration and Cleanup

▼ AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

▼ Content preferences

Language English ▾

2. On the "Add application" screen:

- Enter the name for the application, ie: Wordpress
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- Select servers from the list of available source servers that belong to this application
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Repeat the steps for all applications as per the table below:

Application name	Description	Servers included	Tag Key	Tag Value
Wordpress	Wordpress application includes Web & DB servers	wordpress-web, wordpress-db	Application	Wordpress
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Windows	Windows application	windows.onpremsim.env	Application	Windows

Application Migration Service > Applications > Add application

Add application Info

Application settings

MGN-Dryrun-20240731

Add application | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/applications/addApplication

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Account ID
Select the account this application will be associated with.
724628244583

An application can only be associated with a single account.

Description - optional
Offbiz application includes Web & DB servers
556 characters left

Servers
Select servers to associate with this application.
Select servers

ofbiz-db.onpremsim.env X ofbiz-web.onpremsim.env X
s-5a9da1e497fb920ac s-51f821b27b5ed640d

A server may be associated with a single application.

Tags - optional

Key Value - optional

Application Enter value Remove

Use Application Add new tag

You can add up to 49 more tags.

MGN-Dryrun-20240731 Add application | AWS Application catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-configuration-and-deployment/6-create-tag-applications-waves

aws workshop studio

Configuration and Deployment

- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves**
- [Optional] Modify the EC2 Launch Template

▶ Testing and Validation

▼ Cutover

- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications

▶ Finalize Migration and Cleanup

▼ AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

▼ Content preferences

Language English ▾

2. On the "Add application" screen:

- Enter the name for the application, ie: Wordpress
- Add description for the application, ie: Wordpress application includes 2 servers: Web and DB
- Select servers from the list of available source servers that belong to this application
- Add application-specific tags

Repeat the steps for all applications as per the table below:

Application name	Description	Servers included	Tag Key	Tag Value
Wordpress	Wordpress application includes Web & DB servers	wordpress-web, wordpress-db	Application	Wordpress
Offbiz	Offbiz application includes Web & DB servers	offbiz-web, offbiz-db	Application	Offbiz
Windows	Windows application	windows.onpremsim.env	Application	Windows

Application Migration Service > Applications > Add application

Add application Info

Application settings

MGN-Dryrun-20240731

Add application | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/applications/addApplication

AWS Services Search [Option+S] Oregon WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Account ID
Select the account this application will be associated with.
724628244583

An application can only be associated with a single account.

Description - optional
Offbiz application includes Web & DB servers
556 characters left

Servers
Select servers to associate with this application.
Select servers

ofbiz-db.onpremsim.env X s-5a9da1e497fb920ac
ofbiz-web.onpremsim.env X s-51f821b27b5ed640d

A server may be associated with a single application.

Tags - optional

Key Value - optional

Application Application Remove

Add new tag Use Application

You can add up to 49 more tags.

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/applications/addApplication

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

724628244583

An application can only be associated with a single account.

Description - optional

Offbiz application includes Web & DB servers

556 characters left

Servers

Select servers to associate with this application.

Select servers ▾

ofbiz-db.onpremsim.env X
s-5a9da1e497fb920ac

ofbiz-web.onpremsim.env X
s-51f821b27b5ed640d

A server may be associated with a single application.

Tags - optional

Key Value - optional

Application Application Remove

Add new tag

You can add up to 49 more tags.

Cancel Add application

MGN-Dryrun-20240731

Applications | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/applications

AWS Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service

Application: Offbiz added successfully

Application Migration Service > Applications

Show 'How it works'

Servers

Source servers

Applications

Waves

Global view

Launch history

MGN connectors

Import and Export

Import

Export

Settings

Replication template

Launch template

Post-launch template

User preferences

AWS Migration Hub

Documentation

Application (2) Info

You can create an application to group servers with a shared business purpose.

Active applications ▾ Filter applications by property or value < 1 > ⚙️

<input type="checkbox"/>	Application name	Migration status	Alerts	Number of servers
<input type="checkbox"/>	Offbiz	Not started	Healthy	2
<input type="checkbox"/>	Wordpress	In progress	Healthy	2

Last update: August 01, 2024 at 01:38 (UTC+8:00)

MGN-Dryrun-20240731

Waves | AWS Application Migr...

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/waves

aws Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service

Servers

- Source servers
- Applications
- Waves**
- Global view
- Launch history
- MGN connectors
- Import and Export
 - Import
 - Export
- Settings
 - Replication template
 - Launch template
 - Post-launch template
 - User preferences

Application Migration Service > Waves

▶ How it works

Waves (0) Info

You can create a wave to group applications you plan to migrate together.

Actions ▾ Edit Delete Add wave

Active waves 1

Wave name	Account	Migration status	Alerts	Number of applications
No waves				

You can create a wave to group applications you plan to migrate together.

Add wave

AWS Migration Hub

Documentation

MGN-Dryrun-20240731

Waves | AWS Application Migr...

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/waves

aws Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service

Show 'How it works'

Servers

Source servers

Applications

Waves

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MGN connectors

Import and Export

Import

Export

Settings

Replication template

Launch template

Post-launch template

User preferences

AWS Migration Hub

Documentation

Application Migration Service > Waves

▶ How it works

Waves (0) Info

You can create a wave to group applications you plan to migrate together.

Actions ▾ Edit Delete Add wave

Active waves Filter waves by property or value

No waves

You can create a wave to group applications you plan to migrate together.

Add wave



MGN-Dryrun-20240731

Add wave | AWS Application M

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/waves/addWave

Services

Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service > Waves > Add wave

Add wave Info

You can create a wave to group applications you plan to migrate together.

Settings

Name
Enter a name for this wave
Example: Wave no. 1
Min: 1 character, Max: 256 characters

Account ID
Select the account this wave will be associated with.
724628244583
A wave can only be associated with a single account.

Description - optional
Example: This is a description of Wave no. 1. (600 character limit)
600 characters left

Applications
Select applications to associate with this wave

MGN-Dryrun-20240731 Add wave | AWS Application M catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-configuration-and-deployment/6-create-tag-applications-waves michael_tw_lin

aws workshop studio

Configuration and Deployment

- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves**
- [Optional] Modify the EC2 Launch Template

► Testing and Validation

▼ Cutover

- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications

► Finalize Migration and Cleanup

▼ AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

▼ Content preferences

Language

English ▾

Repeat the steps for all applications as per the table below:

Wave name	Description	Applications included	Tag Key	Tag Value
Wave-1	This wave includes two applications: Wordpress and Offbiz	Wordpress, Offbiz	Wave	Wave-1
Wave-2	This wave includes one application: Windows	Windows	Wave	Wave-2

Application Migration Service > Waves > Add wave

Add wave Info

Wave settings

Wave name **1**
Wave-1
Min: 1 character, Max: 256 characters

Description - optional **2**
This wave includes Wordpress application
560 characters left

MGN-Dryrun-20240731

Add wave | AWS Application MGN

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/waves/addWave

Services

Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service > Waves > Add wave

Add wave Info

You can create a wave to group applications you plan to migrate together.

Settings

Name
Enter a name for this wave
 ←
Min: 1 character, Max: 256 characters

Account ID
Select the account this wave will be associated with.

A wave can only be associated with a single account.

Description - optional
Example: This is a description of Wave no. 1. (600 character limit)
600 characters left

Applications
Select applications to associate with this wave

MGN-Dryrun-20240731 Add wave | AWS Application M catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-configuration-and-deployment/6-create-tag-applications-waves michael_tw_lin

aws workshop studio

Configuration and Deployment

- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves**
- [Optional] Modify the EC2 Launch Template

► Testing and Validation

▼ Cutover

- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications

► Finalize Migration and Cleanup

▼ AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

▼ Content preferences

Language

English

Repeat the steps for all applications as per the table below:

Wave name	Description	Applications included	Tag Key	Tag Value
Wave-1	This wave includes two applications: Wordpress and Offbiz	Wordpress, Offbiz	Wave	Wave-1
Wave-2	This wave includes one application: Windows	Windows	Wave	Wave-2

Application Migration Service > Waves > Add wave

Add wave Info

Wave settings

Wave name **1**
 Min: 1 character, Max: 256 characters

Description - optional **2**
 560 characters left

MGN-Dryrun-20240731

Add wave | AWS Application M

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/waves/addWave

Services

Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service > Waves > Add wave

Add wave Info

You can create a wave to group applications you plan to migrate together.

Settings

Name
Enter a name for this wave

Min: 1 character, Max: 256 characters

Account ID
Select the account this wave will be associated with.

A wave can only be associated with a single account.

Description - optional
This wave includes two applications: Wordpress and Offbiz 

543 characters left

Applications
Select applications to associate with this wave

MGN-Dryrun-20240731

Add wave | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/waves/addWave

Services

Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Wave-1

Min: 1 character, Max: 256 characters

Account ID

Select the account this wave will be associated with.

724628244583

A wave can only be associated with a single account.

Description - optional

This wave includes two applications: Wordpress and Offbiz

543 characters left

Applications

Select applications to associate with this wave.

Select applications

Active applications

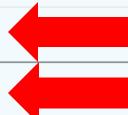
Wordpress

Offbiz

Archived applications

End of applications results

Add new tag



MGN-Dryrun-20240731

Add wave | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/waves/addWave

Services

Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Wave-1

Min: 1 character, Max: 256 characters

Account ID

Select the account this wave will be associated with.

724628244583

A wave can only be associated with a single account.

Description - optional

This wave includes two applications: Wordpress and Offbiz

543 characters left

Applications

Select applications to associate with this wave.

Select applications ▾

Wordpress X Offbiz X

An application may be associated with a single wave.

Tags - optional

No tags associated with the resource.

Add new tag

MGN-Dryrun-20240731

Add wave | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/waves/addWave

Services Search [Option+S]

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Oregon WSParticipantRole/Participant @ 7246-2824-4583

Wave-1

Min: 1 character, Max: 256 characters

Account ID

Select the account this wave will be associated with.

724628244583

A wave can only be associated with a single account.

Description - optional

This wave includes two applications: Wordpress and Offbiz

543 characters left

Applications

Select applications to associate with this wave.

Select applications

Wordpress X Offbiz X

An application may be associated with a single wave.

Tags - optional

Key Value - optional

Enter key Enter value Remove

Custom tag key

MGN-Dryrun-20240731 Add wave | AWS Application M catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-configuration-and-deployment/6-create-tag-applications-waves

aws workshop studio

Configuration and Deployment

- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves**
- [Optional] Modify the EC2 Launch Template

► Testing and Validation

▼ Cutover

- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications

► Finalize Migration and Cleanup

▼ AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

▼ Content preferences

Language

English ▾

2. On the "Add wave" screen:

- Enter the name for the new wave, ie: Wave-1
- Add description for the application, ie: This wave includes two applications: Wordpress and Offbiz
- Select applications to be included in this wave
- Add wave-specific tags, in this workshop we will use Wave tag key and the name of the wave as the tag value, ie Wave-1

Repeat the steps for all applications as per the table below:

Wave name	Description	Applications included	Tag Key	Tag Value
Wave-1	This wave includes two applications: Wordpress and Offbiz	Wordpress, Offbiz	Wave	Wave-1
Wave-2	This wave includes one application: Windows	Windows	Wave	Wave-2

Application Migration Service > Waves > Add wave

Add wave Info

Wave settings

Wave name 1

Wave-1

MGN-Dryrun-20240731

Add wave | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/waves/addWave

Services

Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Wave-1

Min: 1 character, Max: 256 characters

Account ID

Select the account this wave will be associated with.

724628244583

A wave can only be associated with a single account.

Description - optional

This wave includes two applications: Wordpress and Offbiz

543 characters left

Applications

Select applications to associate with this wave.

Select applications

Wordpress X Offbiz X

An application may be associated with a single wave.

Tags - optional

Key Value - optional

Wave Enter value Remove

Use Wave

MGN-Dryrun-20240731 Add wave | AWS Application M catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/2-configuration-and-deployment/6-create-tag-applications-waves

aws workshop studio

Configuration and Deployment

- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves**
- [Optional] Modify the EC2 Launch Template

► Testing and Validation

▼ Cutover

- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications

► Finalize Migration and Cleanup

▼ AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

▼ Content preferences

Language

English ▾

2. On the "Add wave" screen:

- Enter the name for the new wave, ie: Wave-1
- Add description for the application, ie: This wave includes two applications: Wordpress and Offbiz
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- Add wave-specific tags, in this workshop we will use Wave tag key and the name of the wave as the tag value, ie Wave-1

Repeat the steps for all applications as per the table below:

Wave name	Description	Applications included	Tag Key	Tag Value
Wave-1	This wave includes two applications: Wordpress and Offbiz	Wordpress, Offbiz	Wave	Wave-1
Wave-2	This wave includes one application: Windows	Windows	Wave	Wave-2

Application Migration Service > Waves > Add wave

Add wave Info

Wave settings

Wave name 1

Wave-1

MGN-Dryrun-20240731

Add wave | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/waves/addWave

Services

Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Wave-1

Min: 1 character, Max: 256 characters

Account ID

Select the account this wave will be associated with.

724628244583

A wave can only be associated with a single account.

Description - optional

This wave includes two applications: Wordpress and Offbiz

543 characters left

Applications

Select applications to associate with this wave.

Select applications

Wordpress X Offbiz X

An application may be associated with a single wave.

Tags - optional

Key Use Wave-1

Wave X Remove

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/waves/addWave

Services Search [Option+S]

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Select the account this wave will be associated with.

724628244583

A wave can only be associated with a single account.

Description - optional

This wave includes two applications: Wordpress and Offbiz

543 characters left

Applications

Select applications to associate with this wave.

Select applications ▾

Wordpress X Offbiz X

An application may be associated with a single wave.

Tags - optional

Key Value - optional

Wave Wave-1 Remove

Add new tag

You can add up to 49 more tags.

Cancel Add wave

MGN-Dryrun-20240731

Waves | AWS Application Mig

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/waves

AWS Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service

Wave: Wave-1 added successfully

Show 'How it works'

Application Migration Service > Waves

Waves (1) Info

You can create a wave to group applications you plan to migrate together.

Active waves Filter waves by property or value

Wave name	Account	Migration status	Alerts	Number of applications
Wave-1	724628244583	Not started	Healthy	2

Last update: August 01, 2024 at 01:46 (UTC+8:00)

Servers

- Source servers
- Applications
- Waves
- Global view
- Launch history
- MGN connectors
- Import and Export
 - Import
 - Export
- Settings
 - Replication template
 - Launch template
 - Post-launch template
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AWS Migration Hub

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MGN Lab Steps

- Configure AWS MGN Service
- Configure Default Target Templates
- Create AWS Replication Agent IAM User
- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves
- Launch Test Instance
- Validate Test Instances
- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications
- Finalize cutover and Archive Servers



MGN-Dryrun-20240731 Applications | AWS Application catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/3-testing-validation/6-launch-test-instances

aws workshop studio michael_tw_lin

AWS MGN Migration Life Cycle

Create and Tag Applications and Waves

[Optional] Modify the EC2 Launch Template

Testing and Validation

- Launch Test Instance **←**
- Validate Test Instances

Cutover

- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications

► Finalize Migration and Cleanup

AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

Content preferences

Language English

Event dashboard > Testing and Validation > Launch Test Instance

Launch Test Instance

1. Once server status changed to "Ready for testing" on AWS Application Migration Service console. You can perform testing on that server.

Application Migration Service

Source servers (4)

Migration Metrics

Alerts Filter servers Select status to filter

Data replication status Filter servers Select status to filter

Migration lifecycle Filter servers Select status to filter

Healthy 4 servers, 100%

Healthy 4 servers, 100%

Ready for test... 4 servers, 100%

Active source servers Filter source servers by property or value

< 1 >

MGN-Dryrun-20240731

Active source servers | AWS

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

AWS Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service

Wave: Wave-1 added successfully

Application Migration Service > Active source servers

Show 'How it works' Show 'Migration metrics'

Servers

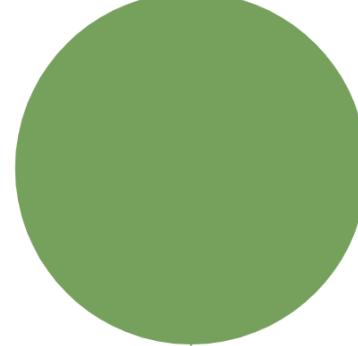
- Source servers **←**
- Applications
- Waves
- Global view
- Launch history
- MGN connectors
- Import and Export
 - Import
 - Export
- Settings
 - Replication template
 - Launch template
 - Post-launch template
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- AWS Migration Hub
- Documentation

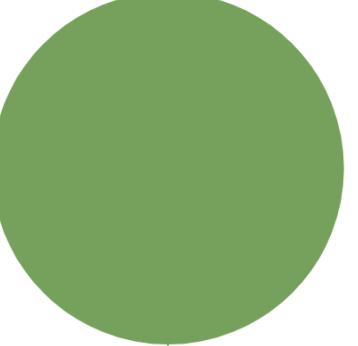
Migration metrics

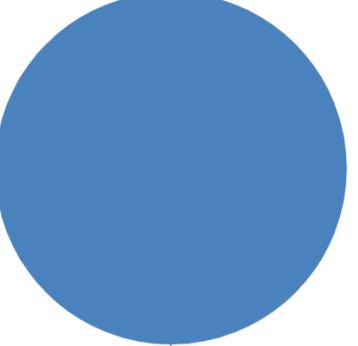
Alerts Info
Filter servers Select status to filter

Data replication status Info
Filter servers Select status to filter

Migration lifecycle Info
Filter servers Select status to filter

 Healthy
4 servers, 100%

 Healthy
4 servers, 100%

 Ready for testing
4 servers, 100%

MGN-Dryrun-20240731

Active source servers | AWS

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

AWS Services Search [Option+S]

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AWS Migration Hub Documentation

Source servers (4)

Actions Replication Test and cutover Add server

Active source servers Filter source servers by property or value

	Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
<input type="checkbox"/>	ofbiz-db.onpremsim.env	-	Ready for testing	Healthy	3 minutes ago	Launch test insta
<input type="checkbox"/>	ofbiz-web.onpremsim.env	-	Ready for testing	Healthy	3 minutes ago	Launch test insta
<input type="checkbox"/>	wordpress-db.onpremsim.env	-	Ready for testing	Healthy	3 minutes ago	Launch test insta
<input type="checkbox"/>	wordpress-web.onpremsim.env	-	Ready for testing	Healthy	3 minutes ago	Launch test insta

Healthy 4 servers, 100% Healthy 4 servers, 100% Ready for testing 4 servers, 100%

MGN-Dryrun-20240731

Active source servers | AWS

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

AWS Services Search [Option+S]

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Healthy 4 servers, 100%

Healthy 4 servers, 100%

Ready for testing 4 servers, 100%

Source servers (4)

Actions ▾ Replication ▾ Test and cutover ▾ Add server

Active source servers Filter source servers by property or value < 1 > ⚙

<input checked="" type="checkbox"/>	Source server name	Alerts ▾	Migration lifecycle ▾	Data replication status ▾	Last snapshot ▾	Next step
<input checked="" type="checkbox"/>	ofbiz-db.onpremsim.env	-	Ready for testing	Healthy	4 minutes ago	Launch test instance
<input checked="" type="checkbox"/>	ofbiz-web.onpremsim.env	-	Ready for testing	Healthy	3 minutes ago	Launch test instance
<input checked="" type="checkbox"/>	wordpress-db.onpremsim.env	-	Ready for testing	Healthy	3 minutes ago	Launch test instance
<input checked="" type="checkbox"/>	wordpress-web.onpremsim.env	-	Ready for testing	Healthy	3 minutes ago	Launch test instance

A red arrow points to the first row of the table, specifically to the checkbox column.

MGN-Dryrun-20240731

Active source servers | AWS

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

AWS Services Search [Option+S]

Oregon WSParticipantRole/Participant @ 7246-2824-4583

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Testing

- Launch test instances (highlighted)
- Mark as "Ready for cutover"
- Revert to "Ready for testing"

Cutover

- Launch cutover instances
- Finalize cutover
- Revert to "Ready for cutover"

Other

- Edit Launch Settings
- Edit post-launch settings
- Terminate launched instances

Test and cutover ▲ Add server

Source servers (4)

Actions ▾ Replication ▾ Test and cutover ▲ Add server

Active source servers Filter source servers by property or value

Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
ofbiz-db.onpremsim.env	-	Ready for testing	Healthy	4 minutes ago	Launch test insta
ofbiz-web.onpremsim.env	-	Ready for testing	Healthy	3 minutes ago	Launch test insta
wordpress-db.onpremsim.env	-	Ready for testing	Healthy	3 minutes ago	Launch test insta
wordpress-web.onpremsim.env	-	Ready for testing	Healthy	3 minutes ago	Launch test insta

Healthy
4 servers, 100%

Healthy
4 servers, 100%

Red arrow points to the "Launch test instances" option in the context menu.

MGN-Dryrun-20240731

Active source servers | AWS

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

aws Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

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Launch test instances for 4 servers

You are about to launch EC2 instances for 4 servers.

These instances will be launched according to the Launch Settings you have configured for them. Launched instances accrue EC2 charges as per your AWS account's rates. [Learn more](#)

The action will be applied to the following servers

- ofbiz-db.onpremsim.env
- ofbiz-web.onpremsim.env
- wordpress-db.onpremsim.env
- wordpress-web.onpremsim.env

Cancel Launch

Ready for testing 4 servers, 100%

Test and cutover Add server

< 1 >

status Last snapshot Next step

4 minutes ago Launch test inst...

3 minutes ago Launch test inst...

3 minutes ago Launch test inst...

3 minutes ago Launch test inst...

MGN-Dryrun-20240731

Active source servers | AWS

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

AWS Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

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AWS Migration Hub Documentation

Healthy 4 servers, 100% Healthy 4 servers, 100% Test in progress 4 servers, 100%

Source servers (4)

Actions ▾ Replication ▾ Test and cutover ▾ Add server

Active source servers Filter source servers by property or value

	Source server name	Alerts ▾	Migration lifecycle ▾	Data replication status ▾	Last snapshot ▾	Next step
<input type="checkbox"/>	ofbiz-db.onpremsim.env	-	Test in progress	Healthy	4 minutes ago	Complete testing
<input type="checkbox"/>	ofbiz-web.onpremsim.env	-	Test in progress	Healthy	4 minutes ago	Complete testing
<input type="checkbox"/>	wordpress-db.onpremsim.env	-	Test in progress	Healthy	4 minutes ago	Complete testing
<input type="checkbox"/>	wordpress-web.onpremsim.env	-	Test in progress	Healthy	4 minutes ago	Complete testing

MGN-Dryrun-20240731

Active source servers | AWS

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

AWS Services Search [Option+S]

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Source servers (4)

Actions ▾ Replication ▾ Test and cutover ▾ Add server

Active source servers Filter source servers by property or value < 1 > ⚙

<input type="checkbox"/>	Source server name	Alerts ▾	Migration lifecycle ▾	Data replication status ▾	Last snapshot ▾	Next step
<input type="checkbox"/>	ofbiz-db.onpremsim.env	-	Test in progress	Healthy	a few seconds ago	Complete testi
<input type="checkbox"/>	ofbiz-web.onpremsim.env	-	Test in progress	Healthy	a few seconds ago	Complete testi
<input type="checkbox"/>	wordpress-db.onpremsim.env	-	Test in progress	Healthy	a few seconds ago	Complete testi
<input type="checkbox"/>	wordpress-web.onpremsim.env	-	Test in progress	Healthy	a few seconds ago	Complete testi

A red arrow points to the "ofbiz-db.onpremsim.env" entry in the table.

MGN-Dryrun-20240731

Source server details | AWS A

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers/724628244583/s-5a9da1e497fb920ac/migration_dashboard

AWS Services Search [Option+S] Oregon WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

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ofbiz-db.onpremsim.env (s-5a9da1e497fb920ac)

Application Migration Service > Active source servers > ofbiz-db.onpremsim.env

Actions ▾ Replication ▾ Test and cutover ▾

Next actions [Info](#)

Complete testing and mark as 'Ready for cutover'

Migration dashboard Server info Tags Disks settings Replication settings Launch settings Post-launch settings

Lifecycle [Info](#)

Not ready > Ready for testing > **Test in progress** > Ready for cutover > Cutover in progress > Cutover complete

Launch status	Post-launch actions status	Last test	Cutover
Waiting	-	Last test Job ID: mgnjob- 58533e1978692f1bf	-

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/launchHistory/mgnjob-58533e1978692f1bf

Services Search [Option+S] | Oregon | WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Application Migration Service

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Application Migration Service > Launch history > Job: mgnjob-58533e1978692f1bf

Job: mgnjob-58533e1978692f1bf

Details			
Type	Status	Initiated by	
Launch	Started	Launch test instances	
Start time	Completed time		
August 01, 2024 at 01:49 (UTC+8:00)	-		

Job log (21) Info

Filter job log by property or value

Time	Event	Additional data
August 01, 2024 at 01:49 (UTC+8:00)	Job started	
August 01, 2024 at 01:49 (UTC+8:00)	Started taking snapshot	Source server : s-5a9da1e497fb920ac

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/launchHistory/mgnjob-58533e1978692f1bf

aws Services Search [Option+S] | Oregon | WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

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Job log (21) Info

Filter job log by property or value

< 1 2 3 >

Time	Event	Additional data
August 01, 2024 at 01:49 (UTC+8:00)	Job started	
August 01, 2024 at 01:49 (UTC+8:00)	Started taking snapshot	Source server : s-5a9da1e497fb920ac
August 01, 2024 at 01:49 (UTC+8:00)	Started taking snapshot	Source server : s-59d27b072aa7f4269
August 01, 2024 at 01:49 (UTC+8:00)	Started taking snapshot	Source server : s-51f821b27b5ed640d
August 01, 2024 at 01:49 (UTC+8:00)	Started taking snapshot	Source server : s-517e54da857180121
August 01, 2024 at 01:50 (UTC+8:00)	Finished taking snapshot	Source server : s-5a9da1e497fb920ac
August 01, 2024 at 01:50 (UTC+8:00)	Finished taking snapshot	Source server : s-59d27b072aa7f4269

MGN-Dryrun-20240731

Job details | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/launchHistory/mgnjob-58533e1978692f1bf

Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

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AWS Migration Hub

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Job log (21) Info

Filter job log by property or value

Time	Event	Additional data
August 01, 2024 at 01:50 (UTC+8:00)	Finished taking snapshot	Source server : s-51f821b27b5ed640d
August 01, 2024 at 01:50 (UTC+8:00)	Finished taking snapshot	Source server : s-517e54da857180121
August 01, 2024 at 01:50 (UTC+8:00)	Conversion started	Source server : s-5a9da1e497fb920ac
August 01, 2024 at 01:50 (UTC+8:00)	Conversion started	Source server : s-59d27b072aa7f4269
August 01, 2024 at 01:50 (UTC+8:00)	Conversion started	Source server : s-51f821b27b5ed640d
August 01, 2024 at 01:50 (UTC+8:00)	Conversion started	Source server : s-517e54da857180121
August 01, 2024 at 01:55 (UTC+8:00)	Conversion succeeded	Source server : s-517e54da857180121 Conversion Server instance ID: i-092e4904123a41a7c

< 1 2

MGN-Dryrun-20240731 Job details | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/launchHistory/mgnjob-58533e1978692f1bf

AWS Services Search [Option+S] Oregon WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Application Migration Service

Job log (21) Info

Filter job log by property or value

< 1 2 3 

Time	Event	Additional data
August 01, 2024 at 01:55 (UTC+8:00)	Conversion succeeded	Source server : ofbiz-db.onpremsim.env Conversion Server instance ID: i-0de2eea28bff5dd49
August 01, 2024 at 01:55 (UTC+8:00)	Conversion succeeded	Source server : wordpress-web.onpremsim.env Conversion Server instance ID: i-0828842f65c859676
August 01, 2024 at 01:56 (UTC+8:00)	Conversion succeeded	Source server : ofbiz-web.onpremsim.env Conversion Server instance ID: i-036c77c4261cdbac
August 01, 2024 at 01:56 (UTC+8:00)	Started launching test/ cutover EC2 instance	Source server : ofbiz-db.onpremsim.env
August 01, 2024 at 01:56 (UTC+8:00)	Started launching test/ cutover EC2 instance	Source server : wordpress-web.onpremsim.env
August 01, 2024 at 01:56 (UTC+8:00)	Started launching test/ cutover EC2 instance	Source server : ofbiz-web.onpremsim.env

Servers Source servers Applications Waves Global view Launch history MGN connectors Import and Export Import Export Settings Replication template Launch template Post-launch template User preferences AWS Migration Hub Documentation

MGN-Dryrun-20240731

Job details | AWS Application

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/launchHistory/mgnjob-58533e1978692f1bf

aws Services Search [Option+S] Oregon WSParticipantRole/Participant @ 7246-2824-4583

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

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- Import and Export
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Job log (26) Info

Filter job log by property or value

< 1 2 3 4 

Time	Event	Additional data
August 01, 2024 at 02:01 (UTC+8:00)	Successfully launched test/ cutover EC2 instance	Source server : ofbiz-web.onpremsim.env Test/ cutover instance ID: i-0240cf90f405878dc
August 01, 2024 at 02:01 (UTC+8:00)	Successfully launched test/ cutover EC2 instance	Source server : ofbiz-db.onpremsim.env Test/ cutover instance ID: i-05dea0a1ede9eb4fc
August 01, 2024 at 02:01 (UTC+8:00)	Successfully launched test/ cutover EC2 instance	Source server : wordpress-web.onpremsim.env Test/ cutover instance ID: i-03866048fb231455f
August 01, 2024 at 02:01 (UTC+8:00)	Successfully launched test/ cutover EC2 instance	Source server : wordpress-db.onpremsim.env Test/ cutover instance ID: i-0840418d56da2b42f
August 01, 2024 at 02:01 (UTC+8:00)	Job ended	

Source servers (4)

AWS Migration Hub Documentation

MGN-Dryrun-20240731

Active source servers | AWS

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

AWS Services Search [Option+S]

EC2 VPC RDS S3 Support Amazon SageMaker AWS DeepRacer CloudFormation

Oregon WSParticipantRole/Participant @ 7246-2824-4583

Application Migration Service

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Source servers

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Application Migration Service > Active source servers

Show 'How it works' Show 'Migration metrics'

Source servers (4)

Actions ▾ Replication ▾ Test and cutover ▾ Add server

Active source servers Filter source servers by property or value

	Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
<input type="checkbox"/>	ofbiz-db.onpremsim.env	Launched	In progress	Healthy	8 minutes ago	Complete to target
<input type="checkbox"/>	ofbiz-web.onpremsim.env	Launched	Test in progress	Healthy	7 minutes ago	Complete to target
<input type="checkbox"/>	wordpress-db.onpremsim.env	Launched	Test in progress	Healthy	7 minutes ago	Complete to target
<input type="checkbox"/>	wordpress-web.onpremsim.env	Launched	Test in progress	Healthy	7 minutes ago	Complete to target

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)

MGN Lab Steps

- Configure AWS MGN Service
- Configure Default Target Templates
- Create AWS Replication Agent IAM User
- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves
- Launch Test Instance
- Validate Test Instances
- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications
- Finalize cutover and Archive Servers



MGN-Dryrun-20240731

Active source servers | AWS

catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/3-testing-validation/7-validate-test-instances

aws workshop studio

michael_tw_lin

AWS MGN Migration Life Cycle

Create and Tag Applications and Waves

[Optional] Modify the EC2 Launch Template

Testing and Validation

- Launch Test Instance
- Validate Test Instances**

Cutover

- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications

Finalize Migration and Cleanup

AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

Content preferences

Language: English

Event dashboard > Testing and Validation > Validate Test Instances

Validate Test Instances

Launching Test Instances will take about **10-15 minutes** to complete. Once launch job completes, you should see following update in the list of source servers on [AWS Application Migration Service](#) console, and *Launched* green status in the **Alerts** column

Application Migration Service > Source servers

Source servers (3)						
Actions	Replication	Test and cutover				
Active source servers	Filter source servers by property or value	< 1 >				
Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step	
windows	-	Ready for testing	Healthy	11 minutes ago	Launch test instance	
wordpress-db.onpremsim.env	Launched	Test in progress	Healthy	10 minutes ago	Complete testing and mark as 'Ready for cutover'	
wordpress-web.onpremsim.env	Launched	Test in progress	Healthy	10 minutes ago	Complete testing and mark as 'Ready for cutover'	

This account is currently replicating 3 servers out of a quota of 20 concurrent replicating servers. [Learn more](#)

In this step we will validate that the newly launched test instances have the correct configuration and were able to start on AWS. This includes:

- Check that all instances passed the System status checks and Instance status checks (2/2 checks) in the Amazon EC2 Console

MGN-Dryrun-20240731

Active source servers | AWS

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

AWS Services Search [Option+S]

Oregon WSParticipantRole/Participant @ 2140-4335-9993

Application Migration Service

Launch job mgnjob-5538d267fe48cdf4d created
Starting to launch test instances for 4 servers.

View job details

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Application Migration Service > Active source servers

Show 'How it works' Show 'Migration metrics'

Source servers (4)

Actions ▾ Replication ▾ Test and cutover ▾ Add server

Active source servers ▾ Filter source servers by property or value < 1 > ⚙

	Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
<input type="checkbox"/>	ofbiz-db.onpremsim.env	Launched	Test in progress	Healthy	3 minutes ago	Complete to target
<input type="checkbox"/>	ofbiz-web.onpremsim.env	Launched	Test in progress	Healthy	3 minutes ago	Complete to target
<input type="checkbox"/>	wordpress-db.onpremsim.env	Launched	Test in progress	Healthy	4 minutes ago	Complete to target
<input type="checkbox"/>	wordpress-web.onpremsim.env	Launched	Test in progress	Healthy	4 minutes ago	Complete to target

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)

A red arrow points to the "Launched" status of the "wordpress-db.onpremsim.env" server in the table.



Services

Search [Option+S]



Oregon

WSParticipantRole/Participant @ 2140-4335-9993

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Disks settings

Replication settings

Launch settings

Post-launch settings

Lifecycle Info



Launch status

Launched

First boot: Succeeded

[View in EC2 console](#)

Post-launch actions status

-

Last test

Job ID: [mgnjob-5538d267fe48cdf4d](#)
Started: August 01, 2024 at 18:04
(UTC+8:00)

Cutover

-

Data replication status Info

Healthy

Replication progress

Initial replication finished

Replication type

Agent based

Elapsed replication time

76 min

Total replicated storage

8 of 8 GiB

Last seen

August 01, 2024 at 18:24 (UTC+8:00)

MGN-Dryrun-20240731

Source server details | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:search=i-08ab97dad7aceaa9f

New Chrome available

AWS Services Search [Option+S]

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Instances (1) Info

Find Instance by attribute or tag (case-sensitive)

i-08ab97dad7aceaa9f

Clear filters

Instance ID: i-08ab97dad7aceaa9f

Instance state: Running

Instance type: t3.small

Status check: 2/2 checks passed

Select an instance

MGN-Dryrun-20240731

Source server details | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:search=i-08ab97dad7aceaa9f

New Chrome available

AWS Services Search [Option+S]

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Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

i-08ab97dad7aceaa9f

Clear filters

Name

Instance ID

Instance state

Actions

Launch instances

1

wordpress-db.onpremsim.env

i-08ab97dad7aceaa9f

Running

t3.small

2/2 checks passed

i-08ab97dad7aceaa9f (wordpress-db.onpremsim.env)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary

Instance ID: i-08ab97dad7aceaa9f (wordpress-db.onpremsim.env)

Public IPv4 address:

Private IPv4 addresses: 10.0.1.135

IPv6 address:

Instance state: Running

Public IPv4 DNS:

Hostname type: IP name: ip-10-0-1-135.us-west-2.compute.internal

Private IP DNS name (IPv4 only): ip-10-0-1-135.us-west-2.compute.internal

A red arrow points to the checkbox next to "wordpress-db.onpremsim.env" in the Instances table.

MGN-Dryrun-20240731 | Source server details | AWS | Instances | EC2 | us-west-2 | + | us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:search=i-08ab97dad7aceaa9f | New Chrome available

AWS Services Search [Option+S] | EC2 Dashboard | EC2 Global View | Events | Instances | Instances | Instance Types | Launch Templates | Spot Requests | Savings Plans | Reserved Instances | Dedicated Hosts | Capacity Reservations | Images | AMIs | AMI Catalog | Elastic Block Store | Volumes | Snapshots | Lifecycle Manager | Network & Security | Security Groups

Instances (1/1) Info | C | Connect | Instance state | Actions | Launch instances | Find Instance by attribute or tag (case-sensitive) | All states | i-08ab97dad7aceaa9f | Clear filters | < 1 > | A

Name	Instance ID	Instance state	Instance type	Status check
wordpress-db.onpremsim.env	i-08ab97dad7aceaa9f	Running	t3.small	2/2 checks passed

i-08ab97dad7aceaa9f (wordpress-db.onpremsim.env) | Details | Status and alarms | Monitoring | Security | Networking | Tags | Networking

Networking details | Public IPv4 address: - | Private IPv4 addresses: 10.0.1.135 | VPC ID: vpc-020438af3297422db (Target) | Subnet ID: subnet-09c3f7b80dff33817 (TargetPrivate) | Private IP DNS name (IPv4 only): ip-10-0-1-135.us-west-2.compute.internal | IPV6 addresses: - | Secondary private IPv4 addresses: -

MGN-Dryrun-20240731

Source server details | AWS A Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:search=i-08ab97dad7aceaa9f

New Chrome available

Services

Search [Option+S]

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Find Instance by attribute or tag (case-sensitive)

All states

i-08ab97dad7aceaa9f X Clear filters

Name ↎ Instance ID Instance state Instance type Status check A

wordpress-db.onpremsim.env i-08ab97dad7aceaa9f Running t3.small 2/2 checks passed V

i-08ab97dad7aceaa9f (wordpress-db.onpremsim.env)

Networking

Networking details Info

Public IPv4 address -

Private IPv4 addresses 10.0.1.135

Public IPv4 DNS -

Private IP DNS name (IPv4 only) ip-10-0-1-135.us-west-2.compute.internal

Subnet ID subnet-09c3f7b80dff33817 (TargetPrivate) ↎

IPV6 addresses -

VPC ID vpc-020438af3297422db (Target) ↎

Secondary private IPv4 addresses -

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Instances (1/1) Info

C Connect Instance state Actions Launch instances

Find Instance by attribute or tag (case-sensitive) All states

i-08ab97dad7aceaa9f X Clear filters

Name	Instance ID	Instance state	Instance type	Status check
wordpress-db.onpremsim.env	i-08ab97dad7aceaa9f	Running	t3.small	2/2 checks passed

i-08ab97dad7aceaa9f (wordpress-db.onpremsim.env)

Details Status and alarms Monitoring Security Working Storage Tags

Security details

IAM Role: AWSApplicationMigrationLaunchInstanceWithSsmRole

Owner ID: 214043359993

Launch time: Thu Aug 01 2024 18:15:11 GMT+0800 (Taipei Standard Time)

Security groups: sg-0a185fded4e3f4447 (cft-mid-v6-SOURCENETWORK-1H7FJCIAWKO6L-TargetSecurityGroup-9UTLWICOPaWG)



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Find Instance by attribute or tag (case-sensitive) All states

i-08ab97dad7aceaa9f X Clear filters

Name	Instance ID	Instance state	Instance type	Status check
wordpress-db.onpremsim.env	i-08ab97dad7aceaa9f	Running	t3.small	2/2 checks passed

i-08ab97dad7aceaa9f (wordpress-db.onpremsim.env)

Details Status and alarms Monitoring Security Networking Storage Tags

Security details

IAM Role Owner ID Launch time

AWSApplicationMigrationLaunchInstanceWithSsmRole [edit] 214043359993 Thu Aug 01 2024 18:15:11 GMT+0800 (Taipei Standard Time)

Security groups

sg-0a185fded4e3f4447 (cft-mid-v6-SOURCENETWORK-1H7FJCIAWKO6L-TargetSecurityGroup-9UTLWICOPaWG)



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Connect



Instance state

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Find Instance by attribute or tag (case-sensitive)

All states

i-08ab97dad7aceaa9f

Clear filters

< 1 >

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check
<input checked="" type="checkbox"/>	wordpress-db.onpremsim.env	i-08ab97dad7aceaa9f	Running	t3.small	2/2 checks passed

i-08ab97dad7aceaa9f (wordpress-db.onpremsim.env)

▼ Security details

IAM Role

[AWSApplicationMigrationLaunchInstanceWithSsmRole](#)

Owner ID



Launch time

Thu Aug 01 2024 18:15:11 GMT+0800 (Taipei Standard Time)

Security groups



sg-0a185fded4e3f4447 (cft-mid-v6-SOURCENETWORK-1H7FJCIAWKO6L-TargetSecurityGroup-9UTLWICOPaWG)



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Instance state ▾

Actions ▾

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i-08ab97dad7aceaa9f

Clear filters

< 1 >



<input checked="" type="checkbox"/> Name	Instance ID	Instance state	Instance type	Status check	A
<input checked="" type="checkbox"/> wordpress-db.onpremsim.env	i-08ab97dad7aceaa9f	Running	t3.small	2/2 checks passed	V

i-08ab97dad7aceaa9f (wordpress-db.onpremsim.env)



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▼ Root device details

Root device name

/dev/sda1

Root device type

EBS

EBS optimization

disabled

▼ Block devices

Filter block devices

<input checked="" type="checkbox"/> Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encrypted	KMS key I
vol-0ae36c1caf3b4f366	/dev/sda1	8	Attached	2024/08/01 18:15 GMT+8	Yes	06521b78

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Instance state ▾

Actions ▾

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Find Instance by attribute or tag (case-sensitive)

All states ▾

i-08ab97dad7aceaa9f

Clear filters

< 1 >



<input checked="" type="checkbox"/> Name	Instance ID	Instance state	Instance type	Status check	A
<input checked="" type="checkbox"/> wordpress-db.onpremsim.env	i-08ab97dad7aceaa9f	Running	t3.small	2/2 checks passed	V

<input checked="" type="checkbox"/> wordpress-db.onpremsim.env	i-08ab97dad7aceaa9f	Running	t3.small	2/2 checks passed	V
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i-08ab97dad7aceaa9f (wordpress-db.onpremsim.env)

Details Status and alarms Monitoring Security Networking Storage Tags

▼ Root device details

Root device name

 /dev/sda1

Root device type

EBS

EBS optimization

disabled

▼ Block devices

Filter block devices

<input checked="" type="checkbox"/> Volume ID	Device name	Volume size (GiB)	Attachment status	Attachment time	Encrypted	KMS key I
<input checked="" type="checkbox"/> vol-0ae36c1caf3b4f366	/dev/sda1	8	Attached	2024/08/01 18:15 GMT+8	Yes	06521b78

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Instance state ▾

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Find Instance by attribute or tag (case-sensitive)

All states ▾

i-08ab97dad7aceaa9f

Clear filters

< 1 >



<input checked="" type="checkbox"/> Name	Instance ID	Instance state	Instance type	Status check	A
<input checked="" type="checkbox"/> wordpress-db.onpremsim.env	i-08ab97dad7aceaa9f	Running	t3.small	2/2 checks passed	V

<input checked="" type="checkbox"/> wordpress-db.onpremsim.env	i-08ab97dad7aceaa9f	Running	t3.small	2/2 checks passed	V
--	---------------------	---------	----------	-------------------	---

i-08ab97dad7aceaa9f (wordpress-db.onpremsim.env)

Details Status and alarms Monitoring Security Networking Storage Tags

▼ Root device details

Root device name

 /dev/sda1

Root device type

EBS

EBS optimization

disabled

▼ Block devices

Filter block devices

Volume size (GiB)	Attachment status	Attachment time	Encrypted	KMS key ID	Delete on termination
8	Attached	2024/08/01 18:15 GMT+8	Yes	06521b78-b39d-4422-a337-1c5427aa4...	

X

Instances (1/1) Info

C

Connect

Instance state ▾

Actions ▾

Launch instances

▼



Find Instance by attribute or tag (case-sensitive)

All states ▾

i-08ab97dad7aceaa9f X

Clear filters

< 1 >

 Name

▼

Instance ID

Instance state ▾

Instance type ▾

Status check

A

 wordpress-db.onpremsim.env

i-08ab97dad7aceaa9f

Running

t3.small

2/2 checks passed

V

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▼ Root device details

Root device name

/dev/sda1

Root device type

EBS

EBS optimization

disabled

▼ Block devices

Filter block devices

Volume size (GiB)

Attachment status

Attachment time

Encrypted

KMS key ID

Delete on termination

8

Attached

2024/08/01 18:15 GMT+8

Yes

06521b78-b39d-4422-a337-1c5427aa4...

No



MGN-Dryrun-20240731 | Source server details | AWS | Connect to instance | EC2 | us | +

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#ConnectToInstance:instanceId=i-08ab97dad7aceaa9f

New Chrome available

aws Services Search [Option+S] | Oregon | WSParticipantRole/Participant @ 2140-4335-9993

EC2 > Instances > i-08ab97dad7aceaa9f > Connect to instance

Connect to instance Info

Connect to your instance i-08ab97dad7aceaa9f (wordpress-db.onpremsim.env) using any of these options

EC2 Instance Connect | **Session Manager**  | EC2 serial console

Session Manager usage:

- Connect to your instance without SSH keys, a bastion host, or opening any inbound ports.
- Sessions are secured using an AWS Key Management Service key.
- You can log session commands and details in an Amazon S3 bucket or CloudWatch Logs log group.
- Configure sessions on the Session Manager [Preferences](#) page.

Cancel **Connect**

MGN-Dryrun-20240731 | Source server details | AWS | Connect to instance | EC2 | us | + | us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#ConnectToInstance:instanceId=i-08ab97dad7aceaa9f | New Chrome available : | AWS Services | Search [Option+S] | Oregon | WSParticipantRole/Participant @ 2140-4335-9993 |

EC2 > Instances > i-08ab97dad7aceaa9f > Connect to instance

Connect to instance Info

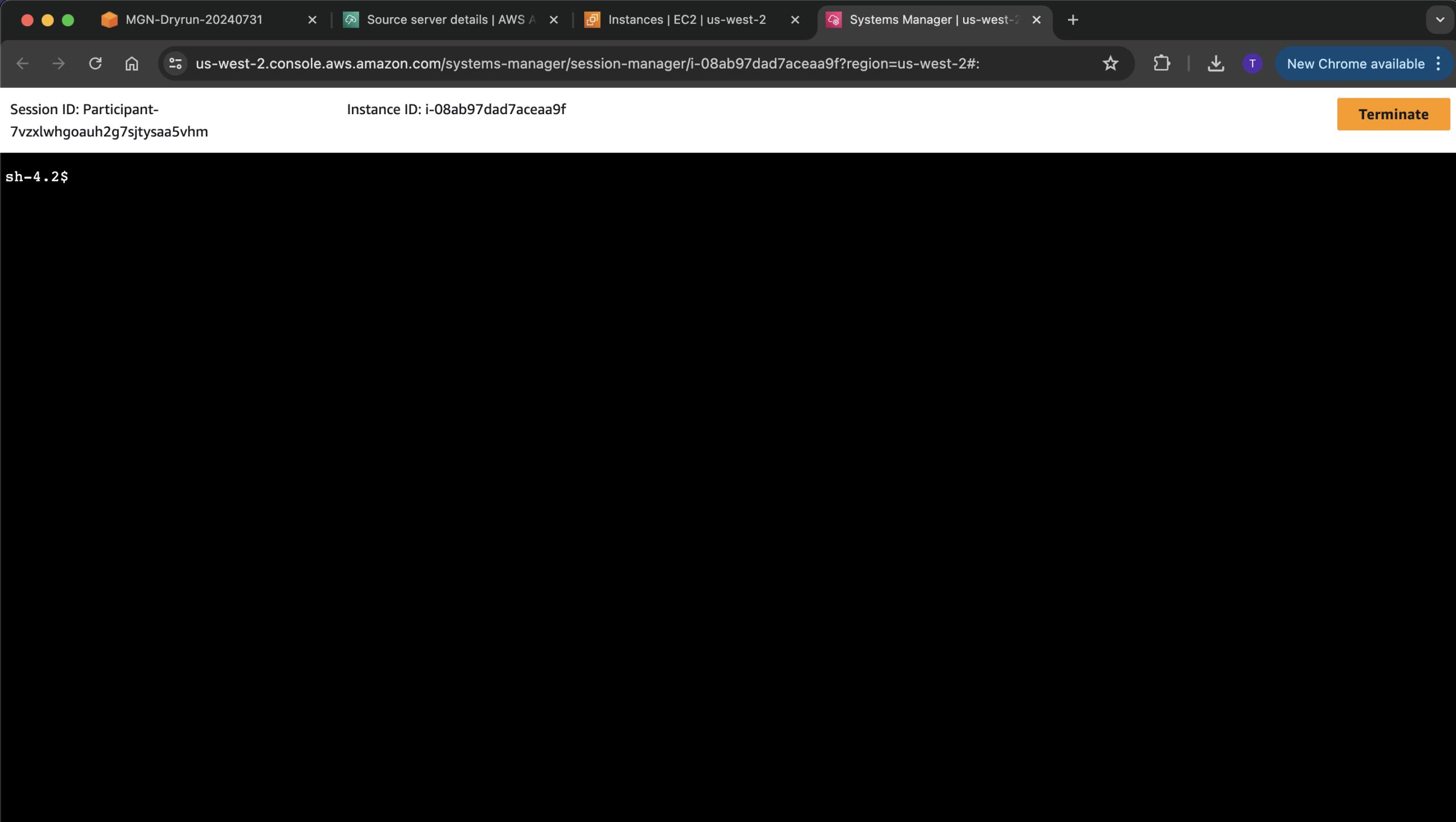
Connect to your instance i-08ab97dad7aceaa9f (wordpress-db.onpremsim.env) using any of these options

EC2 Instance Connect | **Session Manager** | SSH client | EC2 serial console

Session Manager usage:

- Connect to your instance without SSH keys, a bastion host, or opening any inbound ports.
- Sessions are secured using an AWS Key Management Service key.
- You can log session commands and details in an Amazon S3 bucket or CloudWatch Logs log group.
- Configure sessions on the Session Manager [Preferences](#) page.

Cancel **Connect** ←



Session ID: Participant-
7vzxlwhgoauh2g7sjtysaa5vhm

Instance ID: i-08ab97dad7aceaa9f

Terminate

sh-4.2\$

Session ID: Participant-
7vzxlwhgoauh2g7sjtysaa5vhm

Instance ID: i-08ab97dad7aceaa9f

Terminate

```
sh-4.2$ whoami ←  
ssm-user  
sh-4.2$ sudo su -  
Last login: Thu Aug  1 10:28:37 UTC 2024 on pts/1  
[root@wordpress-db ~]# ifconfig ←  
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 9001  
    inet 10.0.1.135 netmask 255.255.255.0 broadcast 10.0.1.255  
        inet6 fe80::60:ecff:fe99:ba2b prefixlen 64 scopeid 0x20<link>  
    ether 02:60:ec:99:ba:2b txqueuelen 1000 (Ethernet)  
        RX packets 2317 bytes 548463 (535.6 KiB)  
        RX errors 0 dropped 0 overruns 0 frame 0  
        TX packets 2214 bytes 363452 (354.9 KiB)  
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536  
    inet 127.0.0.1 netmask 255.0.0.0  
        inet6 ::1 prefixlen 128 scopeid 0x10<host>  
    loop txqueuelen 1000 (Local Loopback)  
        RX packets 70 bytes 6048 (5.9 KiB)  
        RX errors 0 dropped 0 overruns 0 frame 0  
        TX packets 70 bytes 6048 (5.9 KiB)  
        TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0  
  
[root@wordpress-db ~]# netstat -tnlp ←  
Active Internet connections (only servers)  
Proto Recv-Q Send-Q Local Address          Foreign Address        State      PID/Program name  
tcp        0      0 0.0.0.0:3306            0.0.0.0:*          LISTEN     1239/mysqld  
tcp        0      0 0.0.0.0:111           0.0.0.0:*          LISTEN     519/rpcbind  
tcp        0      0 0.0.0.0:22            0.0.0.0:*          LISTEN     782/sshd  
tcp        0      0 127.0.0.1:25          0.0.0.0:*          LISTEN     1328/master  
tcp6       0      0 ::1:111              ::*:             LISTEN     519/rpcbind  
tcp6       0      0 ::22                ::*:             LISTEN     782/sshd  
tcp6       0      0 ::1:25              ::*:             LISTEN     1328/master  
[root@wordpress-db ~]# █
```

Session ID: Participant-
7vzxlwhgoauh2g7sjtysaa5vhm

Instance ID: i-08ab97dad7aceaa9f

Terminate

```
sh-4.2$ whoami
ssm-user
sh-4.2$ sudo su -
Last login: Thu Aug  1 10:28:37 UTC 2024 on pts/1
[root@wordpress-db ~]# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 9001
    inet 10.0.1.135  netmask 255.255.255.0  broadcast 10.0.1.255
        inet6 fe80::60:ecff:fe99:ba2b  prefixlen 64  scopeid 0x20<link>
            ether 02:60:ec:99:ba:2b  txqueuelen 1000  (Ethernet)
                RX packets 2317  bytes 548463 (535.6 KiB)
                RX errors 0  dropped 0  overruns 0  frame 0
                TX packets 2214  bytes 363452 (354.9 KiB)
                TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING>  mtu 65536
    inet 127.0.0.1  netmask 255.0.0.0
        inet6 ::1  prefixlen 128  scopeid 0x10<host>
            loop  txqueuelen 1000  (Local Loopback)
                RX packets 70  bytes 6048 (5.9 KiB)
                RX errors 0  dropped 0  overruns 0  frame 0
                TX packets 70  bytes 6048 (5.9 KiB)
                TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0

[root@wordpress-db ~]# netstat -tnlp
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address          Foreign Address        State      PID/Program name
tcp        0      0 0.0.0.0:3306           0.0.0.0:*          LISTEN     1239/mysqld
tcp        0      0 0.0.0.0:111            0.0.0.0:*          LISTEN     519/rpcbind
tcp        0      0 0.0.0.0:22             0.0.0.0:*          LISTEN     782/sshd
tcp        0      0 127.0.0.1:25            0.0.0.0:*          LISTEN     1328/master
tcp6       0      0 ::1:111              ::*:*               LISTEN     519/rpcbind
tcp6       0      0 ::22                 ::*:*               LISTEN     782/sshd
tcp6       0      0 ::1:25               ::*:*               LISTEN     1328/master
[root@wordpress-db ~]# █
```

MGN-Dryrun-20240731 | Source server details | AWS A | Instances | EC2 | us-west-2 | Systems Manager | us-west-2 | +

us-west-2.console.aws.amazon.com/systems-manager/session-manager/i-08ab97dad7aceaa9f?region=us-west-2#:

Session ID: Participant-
7vzxlwhgoauh2g7sjtysaa5vhm

Instance ID: i-08ab97dad7aceaa9f

Terminate

```
sh-4.2$ whoami
ssm-user
sh-4.2$ sudo su -
Last login: Thu Aug  1 10:28:37 UTC 2024 on pts/1
[root@wordpress-db ~]# ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 9001
    inet 10.0.1.135 netmask 255.255.255.0 broadcast 10.0.1.255
        inet6 fe80::60:ecff:fe99:ba2b prefixlen 64 scopeid 0x20<link>
            ether 02:60:ec:99:ba:2b txqueuelen 1000 (Ethernet)
            RX packets 2317 bytes 548463 (535.6 KiB)
            RX errors 0 dropped 0 overruns 0 frame 0
            TX packets 2214 bytes 363452 (354.9 KiB)
            TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
        inet6 ::1 prefixlen 128 scopeid 0x10
            loop txqueuelen 1000 (Local Loopback)
            RX packets 70 bytes 6048 (5.9 KiB)
            RX errors 0 dropped 0 overruns 0 frame 0
            TX packets 70 bytes 6048 (5.9 KiB)
            TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

[root@wordpress-db ~]# netstat -tnlp
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address          Foreign Address        State      PID/Program name
tcp        0      0 0.0.0.0:3306           0.0.0.0:*          LISTEN     1239/mysqld
tcp        0      0 0.0.0.0:111           0.0.0.0:*          LISTEN     519/rpcbind
tcp        0      0 0.0.0.0:22            0.0.0.0:*          LISTEN     782/sshd
tcp        0      0 127.0.0.1:25           0.0.0.0:*          LISTEN     1328/master
tcp6       0      0 ::1:111              ::*:*               LISTEN     519/rpcbind
tcp6       0      0 ::1:22               ::*:*               LISTEN     782/sshd
tcp6       0      0 ::1:25               ::*:*               LISTEN     1328/master
[root@wordpress-db ~]#
```

Terminate session

Are you sure you want to terminate this session? You will not be able to resume this same session. Terminated sessions are listed on the Session history tab.

Cancel Terminate

A red arrow points to the "Terminate" button in the confirmation dialog.

MGN-Dryrun-20240731

Source server details | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:search=i-08ab97dad7aceaa9f

New Chrome available

AWS Services Search [Option+S]

EC2 Dashboard

EC2 Global View

Events

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Network & Security

Security Groups

Instances (1/1) Info

Find Instance by attribute or tag (case-sensitive)

i-08ab97dad7aceaa9f

Clear filters

Instance ID: i-08ab97dad7aceaa9f

Instance state: Running

Instance type: t3.small

Status check: 2/2 checks passed

i-08ab97dad7aceaa9f (wordpress-db.onpremsim.env)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary

Instance ID: i-08ab97dad7aceaa9f (wordpress-db.onpremsim.env)

Public IPv4 address:

Private IPv4 addresses: 10.0.1.135

IPv6 address:

Instance state: Running

Public IPv4 DNS:

Hostname type: IP name: ip-10-0-1-135.us-west-2.compute.internal

Private IP DNS name (IPv4 only): ip-10-0-1-135.us-west-2.compute.internal

MGN-Dryrun-20240731

Active source servers | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

AWS Services Search [Option+S]

Oregon WSParticipantRole/Participant @ 2140-4335-9993

Application Migration Service

Source servers (4)

Actions Replication Test and cutover Add server

Filter source servers by property or value

Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
ofbiz-db.onpremsim.env	Launched	Test in progress	Healthy	9 minutes ago	Complete to target
ofbiz-web.onpremsim.env	Launched	Test in progress	Healthy	9 minutes ago	Complete to target
wordpress-db.onpremsim.env	Launched	Test in progress	Healthy	10 minutes ago	Complete to target
wordpress-web.onpremsim.env	Launched	Test in progress	Healthy	10 minutes ago	Complete to target

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)

Servers

Source servers (red arrow)

Applications

Waves

Global view

Launch history

MGN connectors

Import and Export

Import

Export

Settings

Replication template

Launch template

Post-launch template

User preferences

AWS Migration Hub

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Release Notes

MGN-Dryrun-20240731

Active source servers | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

New Chrome available

AWS Services Search [Option+S]

Oregon WSParticipantRole/Participant @ 2140-4335-9993

Application Migration Service

Launch job mgnjob-5538d267fe48cdf4d created
Starting to launch test instances for 4 servers.

View job details

Servers

Source servers

Applications

Waves

Global view

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Import and Export

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Application Migration Service > Active source servers

Show 'How it works' Show 'Migration metrics'

Source servers (4)

Actions ▾ Replication ▾ Test and cutover ▾ Add server

Active source servers ▾ Filter source servers by property or value

Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
ofbiz-db.onpremsim.env	Launched	Test in progress	Healthy	9 minutes ago	Complete to production
ofbiz-web.onpremsim.env	Launched	Test in progress	Healthy	9 minutes ago	Complete to production
wordpress-db.onpremsim.env	Launched	Test in progress	Healthy	10 minutes ago	Complete to production
wordpress-web.onpremsim.env	Launched	Test in progress	Healthy	10 minutes ago	Complete to production

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)



MGN-Dryrun-20240731

Active source servers | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

AWS Services Search [Option+S]

Oregon WSParticipantRole/Participant @ 2140-4335-9993

Application Migration Service

Launch job mgnjob-5538d267fe48cdf4d created
Starting to launch test instances for 4 servers.

View job details

Servers

Source servers

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Global view

Launch history

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Application Migration Service > Active source servers

Show 'How it works' Show 'Migration metrics'

Source servers (4)

Actions ▾ Replication ▾ Test and cutover ▾ Add server

Active source servers Filter source servers by property or value

Source server name	Alerts	Migration lifecycle	Data replication
ofbiz-db.onpremsim.env	Launched	Test in progress	Healthy
ofbiz-web.onpremsim.env	Launched	Test in progress	Healthy
wordpress-db.onpremsim.env	Launched	Test in progress	Healthy
wordpress-web.onpremsim.env	Launched	Test in progress	Healthy

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)

Testing

Launch test instances

Mark as "Ready for cutover" (highlighted)

Revert to "Ready for testing"

Cutover

Launch cutover instances

Finalize cutover

Revert to "Ready for cutover"

Other

Edit Launch Settings

Edit post-launch settings

Terminate launched instances

The screenshot shows the AWS Application Migration Service console with a migration job named 'mgnjob-5538d267fe48cdf4d' in progress. The 'Test and cutover' button in the header has a context menu open, with the 'Mark as "Ready for cutover"' option highlighted in blue and a red arrow pointing to it. The menu also includes other options like 'Launch test instances', 'Revert to "Ready for testing"', 'Launch cutover instances', 'Finalize cutover', 'Revert to "Ready for cutover"', 'Edit Launch Settings', 'Edit post-launch settings', and 'Terminate launched instances'.

MGN-Dryrun-20240731

Active source servers | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

New Chrome available

Services

Search

[Option+S]

Application Migration Service

Launch job mgnjob-5538d267fe48cdf4d created

Starting to launch test instances for 4 servers.

View job details

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Release Notes

Mark 4 servers as "Ready for cutover"

You are about to mark 4 servers as having been tested and ready for cutover.
[Learn more](#)

Test instances continue to accrue EC2 charges until terminated. You can terminate these instances now, or later from the "Test and cutover" menu.

Would you like to terminate the instances launched for testing?

Yes, terminate launched instances (recommended).

The action will be applied to the following servers

- ofbiz-db.onpremsim.env
- ofbiz-web.onpremsim.env
- wordpress-db.onpremsim.env
- wordpress-web.onpremsim.env

Cancel Continue

Test and cutover Add server

Show 'How it works' Show 'Migration metrics'

Ion status Last snapshot Next step

9 minutes ago Complete to

9 minutes ago Complete to

10 minutes ago Complete to

10 minutes ago Complete to

Cancel

Red arrow pointing to the 'Continue' button.

MGN-Dryrun-20240731

Active source servers | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

New Chrome available

AWS Services Search [Option+S]

Servers

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Release Notes

Application Migration Service

Servers marked as ready for cutover

4 servers marked as ready for cutover.

Starting to terminate launched instances for 4 servers.

View job details

×

✖ 0 ⚠ 0 ✅ 2 ⓘ 0 ⚡ 0

Application Migration Service > Active source servers

Show 'How it works' Show 'Migration metrics'

Source servers (4)

Actions ▾ Replication ▾ Test and cutover ▾ Add server

Active source servers ▾ Filter source servers by property or value

	Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
<input type="checkbox"/>	ofbiz-db.onpremsim.env	✓ Launched	Ready for cutover	Healthy	10 minutes ago	Terminate
<input type="checkbox"/>	ofbiz-web.onpremsim.env	✓ Launched	Ready for cutover	Healthy	9 minutes ago	Terminate
<input type="checkbox"/>	wordpress-db.onpremsim.env	✓ Launched	Ready for cutover	Healthy	a few seconds ago	Terminate
<input type="checkbox"/>	wordpress-web.onpremsim.env	✓ Launched	Ready for cutover	Healthy	a few seconds ago	Terminate

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)

MGN-Dryrun-20240731

Active source servers | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

AWS Services Search [Option+S]

Oregon WSParticipantRole/Participant @ 2140-4335-9993

New Chrome available

Application Migration Service

Servers

Source servers

Active source servers Filter source servers by property or value

	Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
<input type="checkbox"/>	ofbiz-db.onpremsim.env	-	Ready for cutover	Healthy	a few seconds ago	Launch cutover
<input type="checkbox"/>	ofbiz-web.onpremsim.env	-	Ready for cutover	Healthy	10 minutes ago	Launch cutover
<input type="checkbox"/>	wordpress-db.onpremsim.env	-	Ready for cutover	Healthy	a few seconds ago	Launch cutover
<input type="checkbox"/>	wordpress-web.onpremsim.env	-	Ready for cutover	Healthy	a few seconds ago	Launch cutover

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)

Source servers (4)

Actions Replication Test and cutover Add server

Show 'How it works' Show 'Migration metrics'

ofbiz-db.onpremsim.env

ofbiz-web.onpremsim.env

wordpress-db.onpremsim.env

wordpress-web.onpremsim.env

Ready for cutover

Ready for cutover

Ready for cutover

Ready for cutover

Healthy

Healthy

Healthy

Healthy

a few seconds ago

10 minutes ago

a few seconds ago

a few seconds ago

Launch cutover

Launch cutover

Launch cutover

Launch cutover

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)

Import Export

Settings

Replication template Launch template Post-launch template User preferences

AWS Migration Hub

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MGN Lab Steps

- Configure AWS MGN Service
- Configure Default Target Templates
- Create AWS Replication Agent IAM User
- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves
- Launch Test Instance
- Validate Test Instances
- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications
- Finalize cutover and Archive Servers



MGN-Dryrun-20240731

Active source servers | AWS | Instances | EC2 | us-west-2 | +

catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/4-cutover/7-shutdown-source-servers

New Chrome available :

aws workshop studio

Create AWS Replication Agent
IAM User

Configuration and Deployment
Install the AWS Replication Agent
AWS MGN Migration Life Cycle
Create and Tag Applications and Waves
[Optional] Modify the EC2 Launch Template

Testing and Validation
Launch Test Instance
Validate Test Instances

Cutover
Shutdown Source Environment ←
Launch Cutover Instance

AWS account access
Open AWS console (us-west-2) ←
Get AWS CLI credentials
Get EC2 SSH key

Content preferences
Language English

Event dashboard > Cutover > Shutdown Source Environment

Shutdown Source Environment

Shutdown source environment

In a real-world application migration, once you have completed all of your testing and are ready to fully transition your machines to the cloud, you should perform the shutdown and termination of the source servers and update the DNS records properly to reflect the new servers running in the cloud.

⚠️ It is a best practice to perform a test migration cutover at least one week before you plan to cutover to your target machines. This time frame is intended to identify potential problems and solve them, before the actual cutover takes place.

1. From the Bastion host, connect to each server from the list below. The necessary tools to connect are already installed in the bastion host.

- For Linux VMs, use Putty or SSH.

Server Name	FQDN	OS	Username	Password
wordpress-web	wordpress-web.onpremsim.env	Linux	user	check team dashboard
wordpress-db	wordpress-db.onpremsim.env	Linux	user	check team dashboard
ofbiz-web	ofbiz-web.onpremsim.env	Linux	user	check team dashboard

```

user@ofbiz-db:~
100%[=====] 11,526,456 43.6MB/s in 0.3s
2024-08-01 09:05:20 (43.6 MB/s) - './aws-replication-installer-init' saved [1152
6456/11526456]

[user@ofbiz-db ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-repli
cation-installer-init --region us-west-2 --aws-access-key-id AKIATDVP2PL43TWSRJ
SC --aws-secret-access-key uPQEqr714BQvS7xsugzWH0CfDT7MqCS1kgQRNKM0 --no-prompt
The installation of the AWS Replication Agent has started.
Identifying volumes for replication.
Identified volume for replication: /dev/nvme0nl of size 8 GiB
All volumes for replication were successfully identified.
Downloading the AWS Replication Agent onto the source server...
Finished.
Installing the AWS Replication Agent onto the source server...
Finished.
Syncing the source server with the Application Migration Service Console...
Finished.
The following is the source server ID: s-590b360526217486d.
You now have 3 active source servers out of a total quota of 150.
Learn more about increasing source servers limit at https://docs.aws.amazon.com/mgn/latest/ug/MGN-service-limits.html
The AWS Replication Agent was successfully installed.
[user@ofbiz-db ~]$ 

user@wordpress-db:~
2024-08-01 09:05:21 (123 MB/s) - './aws-replication-installer-init' saved [1152
456/11526456]

[user@wordpress-db ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-repli
cation-installer-init --region us-west-2 --aws-access-key-id AKIATDVP2PL43TWSRJ
SC --aws-secret-access-key uPQEqr714BQvS7xsugzWH0CfDT7MqCS1kgQRNKM0 --no-prompt
The installation of the AWS Replication Agent has started.
Identifying volumes for replication.
Identified volume for replication: /dev/nvme0nl of size 8 GiB
All volumes for replication were successfully identified.
Downloading the AWS Replication Agent onto the source server...
Finished.
Installing the AWS Replication Agent onto the source server...
Finished.
Syncing the source server with the Application Migration Service Console...
Finished.
The following is the source server ID: s-5522bfb51dde5606d.
You now have 1 active source server out of a total quota of 150.
Learn more about increasing source servers limit at https://docs.aws.amazon.com/mgn/latest/ug/MGN-service-limits.html
The AWS Replication Agent was successfully installed.
[user@wordpress-db ~]$ 

user@ofbiz-web:~
100%[=====] 11,526,456 ---K/s in 0.09s
2024-08-01 09:05:23 (118 MB/s) - './aws-replication-installer-init' saved [1152
6456/11526456]

[user@ofbiz-web ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-repli
cation-installer-init --region us-west-2 --aws-access-key-id AKIATDVP2PL43TWSR
JSC --aws-secret-access-key uPQEqr714BQvS7xsugzWH0CfDT7MqCS1kgQRNKM0 --no-prompt
The installation of the AWS Replication Agent has started.
Identifying volumes for replication.
Identified volume for replication: /dev/nvme0nl of size 8 GiB
All volumes for replication were successfully identified.
Downloading the AWS Replication Agent onto the source server...
Finished.
Installing the AWS Replication Agent onto the source server...
Finished.
Syncing the source server with the Application Migration Service Console...
Finished.
The following is the source server ID: s-5646774fb746f6e7d.
You now have 4 active source servers out of a total quota of 150.

user@wordpress-web:~
^C
[user@wordpress-web ~]$ \sudo chmod +x aws-replication-installer-init; sudo ./aw
s-replication-installer-init --region us-west-2 --aws-access-key-id AKIATDVP2PL4
3TWSRJSC --aws-secret-access-key uPQEqr714BQvS7xsugzWH0CfDT7MqCS1kgQRNKM0 --no-p
rompt
The installation of the AWS Replication Agent has started.
Identifying volumes for replication.
Identified volume for replication: /dev/nvme0nl of size 8 GiB
All volumes for replication were successfully identified.
Downloading the AWS Replication Agent onto the source server...
Finished.
Installing the AWS Replication Agent onto the source server...
Finished.
Syncing the source server with the Application Migration Service Console...
Finished.
The following is the source server ID: s-57407b656f88f0810.
You now have 1 active source server out of a total quota of 150.

```

MGN-Dryrun-20240731

Active source servers | AWS | Instances | EC2 | us-west-2 | +

catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/4-cutover/7-shutdown-source-servers

New Chrome available :

aws workshop studio

Create AWS Replication Agent

IAM User

Configuration and Deployment

- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves
- [Optional] Modify the EC2 Launch Template

Testing and Validation

- Launch Test Instance
- Validate Test Instances

Cutover

Shutdown Source Environment

Launch Cutover Instance

AWS account access

[Open AWS console \(us-west-2\)](#)

[Get AWS CLI credentials](#)

[Get EC2 SSH key](#)

Content preferences

Language

English

Linux

```
1 sudo shutdown -h now
```

After the source environment is stopped, all final changes from the source systems are replicated to the Staging area, and we are ready for the final cutover.

Choose **Source servers** on the left menu, or use this link: [AWS Application Migration Service - Source servers](#). Note that in the **Alert** column the status will change to **Lagging** after source systems have been shut down.

Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
ofbiz-db.onpremsim.env	Lagging	Ready for cutover	Lag 3 min	3 minutes ago	Launch cutover instance
ofbiz-web.onpremsim.env	Lagging	Ready for cutover	Lag 3 min	3 minutes ago	Launch cutover instance
wordpress-db.onpremsim.env	Lagging	Ready for cutover	Lag 2 min	2 minutes ago	Launch cutover instance
wordpress-web.onpremsim.env	Lagging	Ready for cutover	Lag 2 min	2 minutes ago	Launch cutover instance

After a few minutes, both *Alerts* and *Data replication status* columns will change servers' status into **Stalled**. This is expected as we have stopped all source servers and the replication process has been interrupted. However, all the data from source servers is fully synced to the EBS volumes in the **Staging area**, and now the final cutover servers, when launched, will have the latest data from the source systems.

Copied!

User session on ofbiz-db:

```
user@ofbiz-db:~$ 2024-08-01 09:05:20 (43.6 MB/s) - './aws-replication-installer-init' saved [1152 6456/11526456]

[user@ofbiz-db ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIATDVP2PL43TWSRJSC --aws-secret-access-key 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 --no-prompt
The installation of the AWS Replication Agent has started.
Identifying volumes for replication.
Identified volume for replication: /dev/nvme0nl of size 8 GiB
All volumes for replication were successfully identified.
Downloading the AWS Replication Agent onto the source server...
Finished.
Installing the AWS Replication Agent onto the source server...
Finished.
Syncing the source server with the Application Migration Service Console...
Finished.
The following is the source server ID: s-590b360526217486d.
You now have 3 active source servers out of a total quota of 150.
Learn more about increasing source servers limit at https://docs.aws.amazon.com/mgn/latest/ug/MGN-service-limits.html
The AWS Replication Agent was successfully installed.
[user@ofbiz-db ~]$ sudo shutdown -h now
```

User session on wordpress-db:

```
user@wordpress-db:~$ 2024-08-01 09:05:21 (123 MB/s) - './aws-replication-installer-init' saved [11526 456/11526456]

[user@wordpress-db ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIATDVP2PL43TWSRJSC --aws-secret-access-key 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 --no-prompt
The installation of the AWS Replication Agent has started.
Identifying volumes for replication.
Identified volume for replication: /dev/nvme0nl of size 8 GiB
All volumes for replication were successfully identified.
Downloading the AWS Replication Agent onto the source server...
Finished.
Installing the AWS Replication Agent onto the source server...
Finished.
Syncing the source server with the Application Migration Service Console...
Finished.
The following is the source server ID: s-5522bf51dde5606d.
You now have 1 active source server out of a total quota of 150.
Learn more about increasing source servers limit at https://docs.aws.amazon.com/mgn/latest/ug/MGN-service-limits.html
The AWS Replication Agent was successfully installed.
```

Putty Fatal Error dialog:

Remote side unexpectedly closed network connection

OK

User session on ofbiz-web:

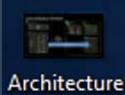
```
user@ofbiz-web:~$ 100%[=====] 11,526,456
2024-08-01 09:05:23 (118 MB/s) - './aws-replication-installer-init' saved [1152 6456/11526456]

[user@ofbiz-web ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIATDVP2PL43TWSRJSC --aws-secret-access-key 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 --no-prompt
The installation of the AWS Replication Agent has started.
Identifying volumes for replication.
Identified volume for replication: /dev/nvme0nl of size 8 GiB
All volumes for replication were successfully identified.
Downloading the AWS Replication Agent onto the source server...
Finished.
Installing the AWS Replication Agent onto the source server...
Finished.
Syncing the source server with the Application Migration Service Console...
Finished.
The following is the source server ID: s-5646774fb746f6e7d.
You now have 4 active source servers out of a total quota of 150.
```

User session on wordpress-web:

```
user@wordpress-web:~$ 2024-08-01 09:05:23 (118 MB/s) - './aws-replication-installer-init' saved [1152 6456/11526456]

[user@wordpress-web ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIATDVP2PL43TWSRJSC --aws-secret-access-key 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 --no-prompt
The installation of the AWS Replication Agent has started.
Identifying volumes for replication.
Identified volume for replication: /dev/nvme0nl of size 8 GiB
All volumes for replication were successfully identified.
Downloading the AWS Replication Agent onto the source server...
Finished.
Installing the AWS Replication Agent onto the source server...
Finished.
Syncing the source server with the Application Migration Service Console...
Finished.
The following is the source server ID: s-57407b656f88f0810.
You now have 1 active source server out of a total quota of 150.
```



2024-08-01 09:05:20 (43.6 MB/s) - './aws-replication-installer-init' saved [1152 6456/11526456]

```
[user@ofbiz-db ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIATDVP2PL43TWSRJSC --aws-secret-access-key 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 --no-prompt
The installation of the AWS Replication Agent has started.
```

Identifying volumes for replication.

Identified volume for replication: /dev/nvme0nl of size 8 GiB

All volumes for replication were successfully identified.

Downloading the AWS Replication Agent onto the source server...

Finished.

Installing the AWS Replication Agent onto the source server...

Finished.

Syncing the source server with the Application Migration Service Console...

Finished.

The following is the source server ID: s-590b360526217486d.

You now have 3 active source servers out of a total quota of 150.

Learn more about increasing source servers limit at <https://docs.aws.amazon.com/mgn/latest/ug/MGN-service-limits.html>

The AWS Replication Agent was successfully installed.

[user@ofbiz-db ~]\$ sudo shutdown -h now



2024-08-01 09:05:21 (123 MB/s) - './aws-replication-installer-init' saved [1152 456/11526456]

```
[user@wordpress-db ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIATDVP2PL43TWSRJSC --aws-secret-access-key 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 --no-prompt
The installation of the AWS Replication Agent has started.
```

Identifying volumes for replication.

Identified volume for replication: /dev/nvme0nl of size 8 GiB

All volumes for replication were successfully identified.

Downloading the AWS Replication Agent onto the source server...

Finished.

Installing the AWS Replication Agent onto the source server...

Finished.

Syncing the source server with the Application Migration Service Console...

Finished.

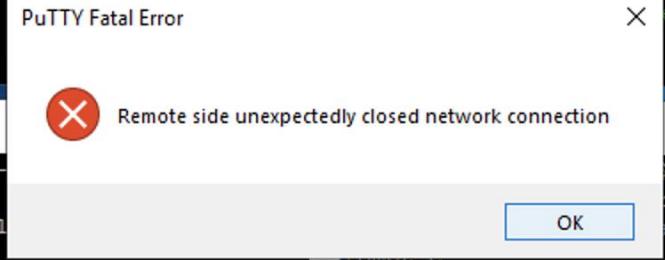
The following is the source server ID: s-5522bfb51dde5606d.

You now have 1 active source server out of a total quota of 150.

Learn more about increasing source servers limit at <https://docs.aws.amazon.com/mgn/latest/ug/MGN-service-limits.html>

Agent was successfully installed.

[user@ofbiz-db ~]\$ sudo shutdown -h now

 PuTTY Fatal Error
X Remote side unexpectedly closed network connection
OK

[user@ofbiz-web:~]\$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIATDVP2PL43TWSRJSC --aws-secret-access-key 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 --no-prompt

The installation of the AWS Replication Agent has started.

Identifying volumes for replication.

Identified volume for replication: /dev/nvme0nl of size 8 GiB

All volumes for replication were successfully identified.

Downloading the AWS Replication Agent onto the source server...

Finished.

Installing the AWS Replication Agent onto the source server...

Finished.

Syncing the source server with the Application Migration Service Console...

Finished.

The following is the source server ID: s-5646774fb746f6e7d.

You now have 4 active source servers out of a total quota of 150.

[user@wordpress-web:~]\$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIATDVP2PL43TWSRJSC --aws-secret-access-key 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 --no-prompt

The installation of the AWS Replication Agent has started.

Identifying volumes for replication.

Identified volume for replication: /dev/nvme0nl of size 8 GiB

All volumes for replication were successfully identified.

Downloading the AWS Replication Agent onto the source server...

Finished.

Installing the AWS Replication Agent onto the source server...

Finished.

Syncing the source server with the Application Migration Service Console...

Finished.

The following is the source server ID: s-57407b656f88f0810.

You now have 1 active source server out of a total quota of 150.



PuTTY (inactive)

```
2024-08-01 09:05:20 (43.6 MB/s) - './aws-replication-installer-init' saved [1152
6456/11526456]

[user@ofbiz-db ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-repli
cation-installer-init --region us-west-2 --aws-access-key-id AKIATDVP2PL43TWSRJ
SC --aws-secret-access-key uPQEqr714BQvS7xsugzWH0CfDT7MqCS1kgQRNKM0 --no-prompt
The installation of the AWS Replication Agent has started.
Identifying volumes for replication.
Identified volume for replication: /dev/nvme0nl of size 8 GiB
All volumes for replication were successfully identified.
Downloading the AWS Replication Agent onto the source server...
Finished.
Installing the AWS Replication Agent onto the source server...
Finished.
Syncing the source server with the Application Migration Service Console...
Finished.
The following is the source server ID: s-590b360526217486d.
You now have 3 active source servers out of a total quota of 150.
Learn more about increasing source servers limit at https://docs.aws.amazon.com/
```

PuTTY (inactive)

```
2024-08-01 09:05:21 (123 MB/s) - './aws-replication-installer-init' saved [1152
456/11526456]

[user@wordpress-db ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-repli
cation-installer-init --region us-west-2 --aws-access-key-id AKIATDVP2PL43TWSRJ
SC --aws-secret-access-key uPQEqr714BQvS7xsugzWH0CfDT7MqCS1kgQRNKM0 --no-prompt
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The following is the source server ID: s-5522bfb51dde5606d.
You now have 1 active source server out of a total quota of 150.
Learn more about increasing source servers limit at https://docs.aws.amazon.com/
```

PuTTY (inactive)

PuTTY Fatal Error



Remote side unexpectedly closed network connection

OK

```
$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIATDVP2PL43TWSRJSC --aws-secret-access-key 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 --no-prompt
$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replication-installer-init --region us-west-2 --aws-access-key-id AKIATDVP2PL43TWSRJSC --aws-secret-access-key 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 --no-prompt

The installation of the AWS Replication Agent has started.
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Finished.
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Finished.
Syncing the source server with the Application Migration Service Console...
Finished.
The following is the source server ID: s-57407b656f88f0810.
You now have 1 active source server out of a total quota of 150.
Learn more about increasing source servers limit at https://docs.aws.amazon.com/
```

```
2024-08-01 09:05:23 (118 MB/s) - './aws-replication-installer-init' saved [1152
456/11526456]

[user@ofbiz-web ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-replicati
on-installer-init --region us-west-2 --aws-access-key-id AKIATDVP2PL43TWSRJSC --aws-se
cret-access-key uPQEqr714BQvS7xsugzWH0CfDT7MqCS1kgQRNKM0 --no-prompt
The installation of the AWS Replication Agent has started.
Identifying volumes for replication.
Identified volume for replication: /dev/nvme0nl of size 8 GiB
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Downloading the AWS Replication Agent onto the source server...
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Installing the AWS Replication Agent onto the source server...
Finished.
Syncing the source server with the Application Migration Service Console...
Finished.
The following is the source server ID: s-5646774fb746f6e7d.
You now have 4 active source servers out of a total quota of 150.
Learn more about increasing source servers limit at https://docs.aws.amazon.com/
mgn/latest/ug/MGN-service-limits.html
The AWS Replication Agent was successfully installed.
[user@ofbiz-web ~]$ sudo shutdown -h now
```





PuTTY (inactive)

```
2024-08-01 09:05:20 (43.6 MB/s) - './aws-replication-installer-init' saved [1152
6456/11526456]
```

```
[user@ofbiz-db ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-repli
cation-installer-init --region us-west-2 --aws-access-key-id AKIATDVP2PL43TWSRJ
SC --aws-secret-access-key uPQEqr714BQvS7xsugzWH0CfDT7MqCS1kgQRNKM0 --no-prompt
The installation of the AWS Replication Agent has started.
```

Identifying volumes for replication.

Identified volume for replication: /dev/nvme0nl of size 8 GiB

All volumes for replication were successfully identified.

Downloading the AWS Replication Agent onto the source server...

Finished.

Installing the AWS Replication Agent onto the source server...

Finished.

Syncing the source server with the Application Migration Service Console...

Finished.

The following is the source server ID: s-590b360526217486d.

You now have 3 active source servers out of a total quota of 150.

Learn more about increasing source servers limit at <https://docs.aws.amazon.com/>

/mgn/latest/ug/MGN-service-limits.html

The AWS Replication Agent was successfully installed.

[user@ofbiz-web ~]\$ sudo shutdown -h now

PuTTY (inactive)

```
2024-08-01 09:05:21 (123 MB/s) - './aws-replication-installer-init' saved [1152
456/11526456]
```

```
[user@wordpress-db ~]$ sudo chmod +x aws-replication-installer-init; sudo ./aws-repli
cation-installer-init --region us-west-2 --aws-access-key-id AKIATDVP2PL43TWSRJ
SC --aws-secret-access-key uPQEqr714BQvS7xsugzWH0CfDT7MqCS1kgQRNKM0 --no-prompt
The installation of the AWS Replication Agent has started.
```

Identifying volumes for replication.

Identified volume for replication: /dev/nvme0nl of size 8 GiB

All volumes for replication were successfully identified.

Downloading the AWS Replication Agent onto the source server...

Finished.

Installing the AWS Replication Agent onto the source server...

Finished.

Syncing the source server with the Application Migration Service Console...

Finished.

The following is the source server ID: s-5522bfb51dde5606d.

You now have 1 active source server out of a total quota of 150.

Learn more about increasing source servers limit at <https://docs.aws.amazon.com/>

/mgn/latest/ug/MGN-service-limits.html

The AWS Replication Agent was successfully installed.

[user@wordpress-web ~]\$ sudo shutdown -h now

PuTTY Fatal Error



Remote side unexpectedly closed network connection

OK

The AWS Replication Agent has started.

Identifying volumes for replication.

Identified volume for replication: /dev/nvme0nl of size 8 GiB

All volumes for replication were successfully identified.

Downloading the AWS Replication Agent onto the source server...

Finished.

Installing the AWS Replication Agent onto the source server...

Finished.

Syncing the source server with the Application Migration Service Console...

Finished.

The following is the source server ID: s-57407b656f88f0810.

You now have 1 active source server out of a total quota of 150.

Learn more about increasing source servers limit at <https://docs.aws.amazon.com/>

/mgn/latest/ug/MGN-service-limits.html

The AWS Replication Agent was successfully installed.

[user@wordpress-web ~]\$ sudo shutdown -h now



Recycle Bin

Google Chrome

Architecture

EC2 Feedback

EC2 Micros...

Microsoft Remote...

Putty

MGN-Dryrun-20240731

Active source servers | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

AWS Services Search [Option+S]

Oregon WSParticipantRole/Participant @ 2140-4335-9993

New Chrome available

Application Migration Service

Servers

Source servers

Active source servers Filter source servers by property or value < 1 > ⚙️

	Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
<input type="checkbox"/>	ofbiz-db.onpremsim.env	Lagging	Ready for cutover	Lag 2 min	2 minutes ago	Launch cutover
<input type="checkbox"/>	ofbiz-web.onpremsim.env	Lagging	Ready for cutover	Lag 101 sec	2 minutes ago	Launch cutover
<input type="checkbox"/>	wordpress-db.onpremsim.env	Lagging	Ready for cutover	Lag 2 min	2 minutes ago	Launch cutover
<input type="checkbox"/>	wordpress-web.onpremsim.env	Lagging	Ready for cutover	Lag 92 sec	2 minutes ago	Launch cutover

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)

Actions Replication Test and cutover Add server

Show 'How it works' Show 'Migration metrics'

Source servers (4)

Source server name Alerts Migration lifecycle Data replication status Last snapshot Next step

ofbiz-db.onpremsim.env Lagging Ready for cutover Lag 2 min 2 minutes ago Launch cutover

ofbiz-web.onpremsim.env Lagging Ready for cutover Lag 101 sec 2 minutes ago Launch cutover

wordpress-db.onpremsim.env Lagging Ready for cutover Lag 2 min 2 minutes ago Launch cutover

wordpress-web.onpremsim.env Lagging Ready for cutover Lag 92 sec 2 minutes ago Launch cutover

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)

Import Export

Settings

Replication template Launch template Post-launch template User preferences

AWS Migration Hub

Documentation

Release Notes

MGN-Dryrun-20240731

Active source servers | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

AWS Services Search [Option+S]

Oregon WSParticipantRole/Participant @ 2140-4335-9993

New Chrome available

Application Migration Service

Servers

Source servers

Active source servers Filter source servers by property or value < 1 > ⚙️

	Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
<input type="checkbox"/>	ofbiz-db.onpremsim.env	Stalled	for cutover	Stalled	5 minutes ago	Resolve cause
<input type="checkbox"/>	ofbiz-web.onpremsim.env	Stalled	Ready for cutover	Stalled	4 minutes ago	Resolve cause
<input type="checkbox"/>	wordpress-db.onpremsim.env	Stalled	Ready for cutover	Stalled	4 minutes ago	Resolve cause
<input type="checkbox"/>	wordpress-web.onpremsim.env	Stalled	Ready for cutover	Stalled	4 minutes ago	Resolve cause

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)

The screenshot shows the AWS Application Migration Service console. The left sidebar has 'Source servers' selected. The main area displays a table of 'Source servers (4)'. Four servers are listed: 'ofbiz-db.onpremsim.env', 'ofbiz-web.onpremsim.env', 'wordpress-db.onpremsim.env', and 'wordpress-web.onpremsim.env'. All servers are in a 'Stalled' state, which is highlighted with red. A red arrow points to the 'for cutover' status of the first server. The table includes columns for Actions, Replication, Test and cutover, and Add server.

MGN Lab Steps

- Configure AWS MGN Service
- Configure Default Target Templates
- Create AWS Replication Agent IAM User
- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves
- Launch Test Instance
- Validate Test Instances
- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications
- Finalize cutover and Archive Servers



MGN-Dryrun-20240731

Active source servers | AWS

catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/3-testing-validation/7-validate-test-instances

aws workshop studio

michael_tw_lin

AWS MGN Migration Life Cycle

Create and Tag Applications and Waves

[Optional] Modify the EC2 Launch Template

Testing and Validation

- Launch Test Instance
- Validate Test Instances**

Cutover

- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications

Finalize Migration and Cleanup

AWS account access

- Open AWS console (us-west-2)
- Get AWS CLI credentials
- Get EC2 SSH key

Content preferences

Language: English

Event dashboard > Testing and Validation > Validate Test Instances

Validate Test Instances

Launching Test Instances will take about **10-15 minutes** to complete. Once launch job completes, you should see following update in the list of source servers on [AWS Application Migration Service](#) console, and *Launched* green status in the **Alerts** column

Source servers (3)

Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
windows	-	Ready for testing	Healthy	11 minutes ago	Launch test instance
wordpress-db.onpremsim.env	Launched	Test in progress	Healthy	10 minutes ago	Complete testing and mark as 'Ready for cutover'
wordpress-web.onpremsim.env	Launched	Test in progress	Healthy	10 minutes ago	Complete testing and mark as 'Ready for cutover'

This account is currently replicating 3 servers out of a quota of 20 concurrent replicating servers. [Learn more](#)

In this step we will validate that the newly launched test instances have the correct configuration and were able to start on AWS. This includes:

- Check that all instances passed the System status checks and Instance status checks (2/2 checks) in the Amazon EC2 Console

MGN-Dryrun-20240731

Launch history | AWS Application Migration Service

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/launchHistory

New Chrome available

AWS Services Search [Option+S]

Oregon WSParticipantRole/Participant @ 2140-4335-9993

Application Migration Service

Servers

Source servers

Applications

Waves

Global view

Launch history ←

MGN connectors

Import and Export

Import

Export

Settings

Replication template

Launch template

Post-launch template

User preferences

AWS Migration Hub

Documentation

Release Notes

Application Migration Service > Launch history

Launch history (2)

Filter launch history by property or value

Job ID	Job type	Initiated by	Status	Servers	Start time	Completed time
mgnjob-5abafb5917f67926e	Terminate	Terminate launched instances	Completed	4	7 minutes ago	6 minutes ago
mgnjob-5538d267fe48cdf4d	Launch	Launch test instances	Completed	4	34 minutes ago	23 minutes ago

MGN-Dryrun-20240731

Launch history | AWS Application Migration Service

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/launchHistory

AWS Services Search [Option+S]

Oregon WSParticipantRole/Participant @ 2140-4335-9993

New Chrome available

Application Migration Service

Servers

- Source servers
- Applications
- Waves
- Global view
- Launch history**
- MGN connectors
- Import and Export
 - Import
 - Export
- Settings
 - Replication template
 - Launch template
 - Post-launch template
 - User preferences

Application Migration Service > Launch history

Launch history (2)

Filter launch history by property or value

Job ID	Job type	Initiated by	Status	Servers	Start time	Completed time
mgnjob-5abafb5917f67926e	Terminate	Terminate launched instances	Completed		7 minutes ago	6 minutes ago
mgnjob-5538d267fe48cdf4d	Launch	Launch test instances	Completed	4	34 minutes ago	23 minutes ago

A red arrow points to the "Completed" status in the first row of the table.

MGN-Dryrun-20240731

Active source servers | AWS Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

AWS Services Search [Option+S]

Oregon WSParticipantRole/Participant @ 2140-4335-9993

New Chrome available

Application Migration Service

Source servers (4)

Actions ▾ Replication ▾ Test and cutover ▾ Add server

Active source servers Filter source servers by property or value < 1 > ⚙️

Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
ofbiz-db.onpremsim.env	Stalled	Ready for cutover	Stalled	6 minutes ago	Resolve cause
ofbiz-web.onpremsim.env	Stalled	Ready for cutover	Stalled	5 minutes ago	Resolve cause
wordpress-db.onpremsim.env	Stalled	Ready for cutover	Stalled	6 minutes ago	Resolve cause
wordpress-web.onpremsim.env	Stalled	Ready for cutover	Stalled	5 minutes ago	Resolve cause

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)

Servers

Source servers

Applications

Waves

Global view

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Red arrow pointing to the 'Ready for cutover' status of the first row.

MGN-Dryrun-20240731

Active source servers | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

AWS Services Search [Option+S]

Oregon WSParticipantRole/Participant @ 2140-4335-9993

New Chrome available

Application Migration Service

Source servers (4)

Actions ▾ Replication ▾ Test and cutover ▾ Add server

Filter source servers by property or value

Source server name	Alerts	Migration lifecycle	Data replication state
ofbiz-db.onpremsim.env	Stalled	Ready for cutover	Stalled
ofbiz-web.onpremsim.env	Stalled	Ready for cutover	Stalled
wordpress-db.onpremsim.env	Stalled	Ready for cutover	Stalled
wordpress-web.onpremsim.env	Stalled	Ready for cutover	Stalled

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)

Testing

- Launch test instances
- Mark as "Ready for cutover"
- Revert to "Ready for testing"

Cutover

- Launch cutover instances (highlighted)
- Finalize cutover
- Revert to "Ready for cutover"

Other

- Edit Launch Settings
- Edit post-launch settings
- Terminate launched instances

Servers

Source servers

Applications

Waves

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- Import
- Export

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us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

New Chrome available

aws Services Search [Option+S]

Oregon WSParticipantRole/Participant @ 2140-4335-9993

Application Migration Service

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Application Migration Service > Active source servers

Show 'How it works' Show 'Migration metrics'

Test and cutover Add server

1 Next step

Last snapshot

6 minutes ago Resolve cause

5 minutes ago Resolve cause

6 minutes ago Resolve cause

5 minutes ago Resolve cause

Launch cutover instances for 4 servers

You are about to launch EC2 instances for 4 servers.

These instances will be launched according to the Launch Settings you have configured for them. Launched instances accrue EC2 charges as per your AWS account's rates. [Learn more](#)

The action will be applied to the following servers

- ofbiz-db.onpremsim.env
- ofbiz-web.onpremsim.env
- wordpress-db.onpremsim.env
- wordpress-web.onpremsim.env

⚠ This action will terminate all test instances previously launched for these source servers.

Cancel Launch

A red arrow points to the "Launch" button.

MGN-Dryrun-20240731

Active source servers | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

New Chrome available

AWS Services Search [Option+S]

Oregon WSParticipantRole/Participant @ 2140-4335-9993

Application Migration Service

Launch job mgnjob-5e0a508130c16eb69 created
Starting to launch cutover instances for 4 servers.

View job details

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Release Notes

Application Migration Service > Active source servers

Show 'How it works' Show 'Migration metrics'

Source servers (4)

Actions ▾ Replication ▾ Test and cutover ▾ Add server

Active source servers ▾ Filter source servers by property or value

	Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
<input type="checkbox"/>	ofbiz-db.onpremsim.env	✖ Stalled	Cutover in progress	✖ Stalled	7 minutes ago	Resolve cause
<input type="checkbox"/>	ofbiz-web.onpremsim.env	✖ Stalled	Cutover in progress	Stalled	6 minutes ago	Resolve cause
<input type="checkbox"/>	wordpress-db.onpremsim.env	✖ Stalled	Cutover in progress	Stalled	7 minutes ago	Resolve cause
<input type="checkbox"/>	wordpress-web.onpremsim.env	✖ Stalled	Cutover in progress	Stalled	6 minutes ago	Resolve cause

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)

A red arrow points to the "Cutover in progress" status of the first row in the table.

MGN-Dryrun-20240731

Launch history | AWS Application Migration Service

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/launchHistory

New Chrome available

aws Services Search [Option+S]

Oregon WSParticipantRole/Participant @ 2140-4335-9993

Application Migration Service

Launch job mgnjob-5e0a508130c16eb69 created
Starting to launch cutover instances for 4 servers.

View job details

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Application Migration Service > Launch history

Launch history (3)

Filter launch history by property or value

Job ID	Job type	Initiated by	Status	Servers	Start time	Completed time
mgnjob-5e0a508130c16eb69	Launch	Launch cutover instances	Started	4	2 minutes ago	-
mgnjob-5abafb5917f67926e	Terminate	Terminate launched instances	Completed	4	10 minutes ago	9 minutes ago
mgnjob-5538d267fe48cdf4d	Launch	Launch test instances	Completed	4	37 minutes ago	25 minutes ago

MGN-Dryrun-20240731

Launch history | AWS Application Migration Service

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/launchHistory

New Chrome available

aws Services Search [Option+S]

Oregon WSParticipantRole/Participant @ 2140-4335-9993

Application Migration Service

Launch job mgnjob-5e0a508130c16eb69 created
Starting to launch cutover instances for 4 servers.

View job details

Servers

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Application Migration Service > Launch history

Launch history (3)

Filter launch history by property or value

Job ID	Job type	Initiated by	Status	Servers	Start time	Completed time
mgnjob-5e0a508130c16eb69	Launch	Launch cutover instances	Started	4	2 minutes ago	-
mgnjob-5abafb5917f67926e	Terminate	Terminate launched instances	Completed	4	10 minutes ago	9 minutes ago
mgnjob-5538d267fe48cdf4d	Launch	Launch test instances	Completed	4	37 minutes ago	25 minutes ago

A red arrow points to the "Started" status of the first row in the table.

MGN-Dryrun-20240731 Job details | AWS Application Instances | EC2 | us-west-2 us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/launchHistory/mgnjob-5e0a508130c16eb69 New Chrome available

AWS Services Search [Option+S] Oregon WSParticipantRole/Participant @ 2140-4335-9993

Application Migration Service View job details

Launch job mgnjob-5e0a508130c16eb69 created
Starting to launch cutover instances for 4 servers.

Servers Source servers Applications Waves Global view **Launch history** MGN connectors Import and Export Import Export Settings Replication template Launch template Post-launch template User preferences AWS Migration Hub Documentation Release Notes

Application Migration Service > Launch history > Job: mgnjob-5e0a508130c16eb69

Job: mgnjob-5e0a508130c16eb69

Details		
Type	Status	Initiated by
Launch	Started	Launch cutover instances
Start time	Completed time	
August 01, 2024 at 18:39 (UTC+8:00)	-	

Job log (5) Info

Filter job log by property or value

Time	Event	Additional data
August 01, 2024 at 18:39 (UTC+8:00)	Job started	
August 01, 2024 at 18:39 (UTC+8:00)	Started taking snapshot	Source server : s-57407b656f88f0810

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/launchHistory/mgnjob-5e0a508130c16eb69

AWS Services Search [Option+S] Oregon WSParticipantRole/Participant @ 2140-4335-9993

Application Migration Service

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Job log (5) Info

Filter job log by property or value

Time	Event	Additional data
August 01, 2024 at 18:39 (UTC+8:00)	Job started	
August 01, 2024 at 18:39 (UTC+8:00)	Started taking snapshot	Source server : wordpress-web.onpremsim.env
August 01, 2024 at 18:39 (UTC+8:00)	Started taking snapshot	Source server : wordpress-db.onpremsim.env
August 01, 2024 at 18:39 (UTC+8:00)	Started taking snapshot	Source server : ofbiz-db.onpremsim.env
August 01, 2024 at 18:39 (UTC+8:00)	Started taking snapshot	Source server : ofbiz-web.onpremsim.env

1

Source servers (4)

Filter source servers by property or value

Source server name	Status
ofbiz-db.onpremsim.env	Pending

1

MGN-Dryrun-20240731 Job details | AWS Application Instances | EC2 | us-west-2 New Chrome available

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/launchHistory/mgnjob-5e0a508130c16eb69

AWS Services Search [Option+S] Oregon WSParticipantRole/Participant @ 2140-4335-9993

Application Migration Service

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Job log (25) Info

Filter job log by property or value

< 1 2 

Time	Event	Additional data
August 01, 2024 at 18:44 (UTC+8:00)	Failed to take snapshot	Source server : ofbiz-db.onpremsim.env
August 01, 2024 at 18:44 (UTC+8:00)	Failed to take snapshot	Source server : ofbiz-web.onpremsim.env
August 01, 2024 at 18:44 (UTC+8:00)	Using previous snapshot	Source server : wordpress-web.onpremsim.env Error: Could not take up to date snapshot. Launching from snapshot taken on 2024-08-01T18:44:00Z
August 01, 2024 at 18:44 (UTC+8:00)	Using previous snapshot	Source server : wordpress-db.onpremsim.env Error: Could not take up to date snapshot. Launching from snapshot taken on 2024-08-01T18:44:00Z
August 01, 2024 at 18:44 (UTC+8:00)	Using previous snapshot	Source server : ofbiz-db.onpremsim.env Error: Could not take up to date snapshot. Launching from snapshot taken on 2024-08-01T18:44:00Z
August 01, 2024 at 18:44 (UTC+8:00)	Using previous snapshot	Source server : ofbiz-web.onpremsim.env Error: Could not take up to date snapshot. Launching from snapshot taken on 2024-08-01T18:44:00Z

MGN-Dryrun-20240731 Job details | AWS Application Instances | EC2 | us-west-2 New Chrome available

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/launchHistory/mgnjob-5e0a508130c16eb69

AWS Services Search [Option+S] Oregon WSParticipantRole/Participant @ 2140-4335-9993

Application Migration Service

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Job log (25) Info

Filter job log by property or value

< 1 2 3 

Time	Event	Additional data
August 01, 2024 at 18:44 (UTC+8:00)	Conversion started	Source server : wordpress-db.onpremsim.env
August 01, 2024 at 18:44 (UTC+8:00)	Conversion started	Source server : ofbiz-db.onpremsim.env
August 01, 2024 at 18:44 (UTC+8:00)	Conversion started	Source server : ofbiz-web.onpremsim.env
August 01, 2024 at 18:47 (UTC+8:00)	Conversion succeeded	Source server : wordpress-db.onpremsim.env Conversion Server instance ID: i-006a80466a42ace07
August 01, 2024 at 18:47 (UTC+8:00)	Conversion succeeded	Source server : ofbiz-db.onpremsim.env Conversion Server instance ID: i-052f1ddf23b99b127
August 01, 2024 at 18:48 (UTC+8:00)	Conversion succeeded	Source server : wordpress-web.onpremsim.env Conversion Server instance ID: i-082c5b676e3f457fc
August 01, 2024 at 18:48 (UTC+8:00)	Conversion succeeded	Source server : ofbiz-web.onpremsim.env

MGN-Dryrun-20240731 Job details | AWS Application Instances | EC2 | us-west-2 us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/launchHistory/mgnjob-5e0a508130c16eb69 New Chrome available

aws Services Search [Option+S] Oregon WSParticipantRole/Participant @ 2140-4335-9993

Application Migration Service

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Job log (25) Info

Filter job log by property or value

< 1 2 3 4

Time	Event	Additional data
August 01, 2024 at 18:48 (UTC+8:00)	Started launching test/ cutover EC2 instance	Source server : wordpress-web.onpremsim.env
August 01, 2024 at 18:48 (UTC+8:00)	Started launching test/ cutover EC2 instance	Source server : wordpress-db.onpremsim.env
August 01, 2024 at 18:48 (UTC+8:00)	Started launching test/ cutover EC2 instance	Source server : ofbiz-db.onpremsim.env
August 01, 2024 at 18:48 (UTC+8:00)	Started launching test/ cutover EC2 instance	Source server : ofbiz-web.onpremsim.env

Source servers (4)

Filter source servers by property or value

< 1 >

Source server name	Status
ofbiz-db.onpremsim.env	In progress
ofbiz-web.onpremsim.env	In progress

MGN-Dryrun-20240731 Job details | AWS Application Instances | EC2 | us-west-2 us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/launchHistory/mgnjob-5e0a508130c16eb69 New Chrome available

aws Services Search [Option+S] Oregon WSParticipantRole/Participant @ 2140-4335-9993

Application Migration Service

Start time: August 01, 2024 at 18:39 (UTC+8:00) Completed time: August 01, 2024 at 18:53 (UTC+8:00)

Servers

Source servers Applications Waves Global view

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MGN connectors Import and Export Import Export

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AWS Migration Hub Documentation Release Notes

Job log (30) Info

Filter job log by property or value

Time Event Additional data

August 01, 2024 at 18:53 (UTC+8:00)	Successfully launched test/ cutover EC2 instance	Source server : ofbiz-db.onpremsim.env Test/ cutover instance ID: i-0f99cb25b5c328827
August 01, 2024 at 18:53 (UTC+8:00)	Job ended	

Source servers (4)

Filter source servers by property or value

Source server name Status

ofbiz-db.onpremsim.env	Launched
ofbiz-web.onpremsim.env	Launched
wordpress-db.onpremsim.env	Launched

← 1 2 3 4 5 →

← 1 →

MGN-Dryrun-20240731 Job details | AWS Application Instances | EC2 | us-west-2 us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/launchHistory/mgnjob-5e0a508130c16eb69 New Chrome available

AWS Services Search [Option+S] Oregon WSParticipantRole/Participant @ 2140-4335-9993

Application Migration Service

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AWS Migration Hub Documentation Release Notes

Start time August 01, 2024 at 18:39 (UTC+8:00) Completed time August 01, 2024 at 18:53 (UTC+8:00)

Job log (30) Info

Filter job log by property or value

Time	Event	Additional data
August 01, 2024 at 18:53 (UTC+8:00)	Successfully launched test/ cutover EC2 instance	Source server : ofbiz-db.onpremsim.env Test/ cutover instance ID: i-0f99cb25b5c328827
August 01, 2024 at 18:53 (UTC+8:00)	Job ended	

1 2 3 4 5 >

Source servers (4)

Filter source servers by property or value

Source server name	Status
ofbiz-db.onpremsim.env	Launched
ofbiz-web.onpremsim.env	Launched
wordpress-db.onpremsim.env	Launched

< 1 >

MGN-Dryrun-20240731 Job details | AWS Application Instances | EC2 | us-west-2 us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/launchHistory/mgnjob-5e0a508130c16eb69 New Chrome available

AWS Services Search [Option+S] Oregon WSParticipantRole/Participant @ 2140-4335-9993

Application Migration Service

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Import and Export Import Export

Settings Replication template Launch template Post-launch template User preferences

AWS Migration Hub Documentation Release Notes

Start time August 01, 2024 at 18:39 (UTC+8:00) Completed time August 01, 2024 at 18:53 (UTC+8:00)

Job log (30) Info

Filter job log by property or value

Time	Event	Additional data
August 01, 2024 at 18:53 (UTC+8:00)	Successfully launched test/ cutover EC2 instance	Source server : ofbiz-db.onpremsim.env Test/ cutover instance ID: i-0f99cb25b5c328827
August 01, 2024 at 18:53 (UTC+8:00)	Job ended	

Source servers (4)

Filter source servers by property or value

Source server name	Status
ofbiz-db.onpremsim.env	Launched
ofbiz-web.onpremsim.env	Launched
wordpress-db.onpremsim.env	Launched

Launched ←

MGN Lab Steps

- Configure AWS MGN Service
- Configure Default Target Templates
- Create AWS Replication Agent IAM User
- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves
- Launch Test Instance
- Validate Test Instances
- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications
- Finalize cutover and Archive Servers



MGN-Dryrun-20240731 Job details | AWS Application Instances | EC2 | us-west-2 + catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/4-cutover/9-update-dns New Chrome available : michael_tw_lin

aws workshop studio Agent AWS MGN Migration Life Cycle Create and Tag Applications and Waves [Optional] Modify the EC2 Launch Template Testing and Validation Launch Test Instance Validate Test Instances Cutover Shutdown Source Environment Launch Cutover Instance Update DNS and Validate the applications Finalize Migration and Cleanup Finalize cutover and Archive AWS account access Open AWS console (us-west-2) Get AWS CLI credentials Get EC2 SSH key Content preferences Language English

Event dashboard > Cutover > Update DNS and Validate the applications

Update DNS and Validate the applications

Update DNS

Now that the source servers are shutdown, it's time to update the DNS records to reflect the new servers that have just been migrated. In this lab we use an instance running a version of Unix bind/named as the DNS resolver.

The steps below are related to updating the server A records in the Bind/Named DNS server build specifically for this lab. There are multiple ways to configure DNS in AWS. In a real migration scenario, the following steps could vary according to your DNS server configuration.

1. Open AWS Console, go to **Services** then **EC2** then **Running Instances**, or follow this link [Instances | EC2 Management Console](#)
2. Add a filter **onpremsim.env** to list only the servers that names contain this string

Instances (4) Info Find instance by attribute or tag (case-sensitive) Instance state = running onpremsim.env Clear filters

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check
<input type="checkbox"/>	wordpress-web.onpremsim.env	i-0c4a048ecd0a8f0cf	Running	t3.small	2/2 checks passed
<input type="checkbox"/>	nginx-onpremsim-env	i-0174b671544d4502	Running	t3.small	2/2 checks passed
<input type="checkbox"/>	phpmyadmin-onpremsim-env	i-0174b671544d4502	Running	t3.small	2/2 checks passed

MGN-Dryrun-20240731

Instances | EC2 | us-west-2 Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:v=3;\$case=true%5C,client:false;\$regex=tags:false%5C...

New Chrome available

AWS Services Search [Option+S]

EC2 Dashboard EC2 Global View Events Instances Instances (20) Info

Find Instance by attribute or tag (case-sensitive)

All states

Launch instances

Name Instance ID Instance state Instance type Status check

Name	Instance ID	Instance state	Instance type	Status check
AWS Application Migration Service Replication Server	i-086feb420b0b42fc1	Running	t3.small	2/2 checks passed
AWS Application Migration Service Conversion Server	i-052f1ddf23b99b127	Terminated	m5.large	-
AWS Application Migration Service Conversion Server	i-006a80466a42ace07	Terminated	m5.large	-
AWS Application Migration Service Conversion Server	i-06821c6b025635ff2	Terminated	m5.large	-
AWS Application Migration Service Conversion Server	i-082c5b676e3f457fc	Terminated	m5.large	-
MID-Wordpress-DB	i-079adefed982dcb8b	Stopped	t3.small	-
MID-OFBiz-WEB	i-029b9652543223296	Stopped	t3.medium	-

Select an instance

AMIs AMI Catalog

Volumes Snapshots Lifecycle Manager

Security Groups

EC2 Dashboard EC2 Global View Events Instances Instances (20) Info

Find Instance by attribute or tag (case-sensitive)

All states

Launch instances

Name Instance ID Instance state Instance type Status check

Name	Instance ID	Instance state	Instance type	Status check
AWS Application Migration Service Replication Server	i-086feb420b0b42fc1	Running	t3.small	2/2 checks passed
AWS Application Migration Service Conversion Server	i-052f1ddf23b99b127	Terminated	m5.large	-
AWS Application Migration Service Conversion Server	i-006a80466a42ace07	Terminated	m5.large	-
AWS Application Migration Service Conversion Server	i-06821c6b025635ff2	Terminated	m5.large	-
AWS Application Migration Service Conversion Server	i-082c5b676e3f457fc	Terminated	m5.large	-
MID-Wordpress-DB	i-079adefed982dcb8b	Stopped	t3.small	-
MID-OFBiz-WEB	i-029b9652543223296	Stopped	t3.medium	-

Select an instance

AMIs AMI Catalog

Volumes Snapshots Lifecycle Manager

Security Groups

MGN-Dryrun-20240731 Job details | AWS Application Instances | EC2 | us-west-2 + catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/4-cutover/9-update-dns New Chrome available : michael_tw_lin

aws workshop studio Agent AWS MGN Migration Life Cycle Create and Tag Applications and Waves [Optional] Modify the EC2 Launch Template Testing and Validation Launch Test Instance Validate Test Instances Cutover Shutdown Source Environment Launch Cutover Instance Update DNS and Validate the applications Finalize Migration and Cleanup Finalize cutover and Archive AWS account access Open AWS console (us-west-2) Get AWS CLI credentials Get EC2 SSH key Content preferences Language English

Now that the source servers are shutdown, it's time to update the DNS records to reflect the new servers that have just been migrated. In this lab we use an instance running a version of Unix bind/named as the DNS resolver.

⚠️ The steps below are related to updating the server A records in the Bind/Named DNS server build specifically for this lab. There are multiple ways to configure DNS in AWS. In a real migration scenario, the following steps could vary according to your DNS server configuration.

1. Open AWS Console, go to **Services** then **EC2** then **Running Instances**, or follow this link [Instances | EC2 Management Console](#)
2. Add a filter **onpremsim.env** to only the servers that names contain this string

Instances (4) Info

Find instance by attribute or tag (case-sensitive)

Instance state = running onpremsim.env Clear filters

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check
<input type="checkbox"/>	wordpress-web.onpremsim.env	i-0c4a048ecd0a8f0cf	Running	t3.small	2/2 checks passed
<input type="checkbox"/>	ofbiz-db.onpremsim.env	i-0174b6e315dded502	Running	t3.small	2/2 checks passed
<input type="checkbox"/>	wordpress-db.onpremsim.env	i-06906e3d54d784590	Running	t3.small	2/2 checks passed
<input type="checkbox"/>	ofbiz-web.onpremsim.env	i-0c29e61153f1225b2	Running	t3.small	2/2 checks passed

3. Click in one of the servers from the list

Server Name	FQDN	OS	Username	Password
-------------	------	----	----------	----------

MGN-Dryrun-20240731

Instances | EC2 | us-west-2

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:instanceState=running;v=3;\$case=tags:true%5C,client:false...

New Chrome available

AWS Services Search [Option+S]

EC2 Dashboard

EC2 Global View

Events

Instances

- Instances
- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances
- Dedicated Hosts
- Capacity Reservations

Images

- AMIs
- AMI Catalog

Elastic Block Store

- Volumes
- Snapshots
- Lifecycle Manager

Network & Security

Security Groups

Instances (8) Info

Search: onpremsim.env

Use: "onpremsim.env"

Tags values

- Name = ofbiz-db.onpremsim.env
- Name = wordpress-web.onpremsim.env
- Name = wordpress-db.onpremsim.env
- Name = ofbiz-web.onpremsim.env
- MID-Bastion
- ofbiz-db.onpremsim.env
- wordpress-web.onpremsim.env

Instance state

Actions

Launch instances

Server	Instance ID	Instance state	Instance type	Status check
	i-086feb420b0b42fc1	Running	t3.small	2/2 checks passed
	i-00e9fcaecc5e73701	Running	t3.small	2/2 checks passed
	i-01e9b86abaca620fb	Running	t3.micro	2/2 checks passed
	i-0f9111ab4579d1a74	Running	c4.large	2/2 checks passed
	i-0f99cb25b5c328827	Running	t3.small	2/2 checks passed
	i-054ffdd22a98cb6d7	Running	t3.small	2/2 checks passed

Select an instance

MGN-Dryrun-20240731

Instances | EC2 | us-west-2 Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:instanceState=running;search=:onpremsim.env;v=3;\$case=... New Chrome available

AWS Services Search [Option+S] | Connect | Instance state | Actions | Launch instances

EC2 Dashboard | EC2 Global View | Events

Instances

- Instances**
- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances
- Dedicated Hosts
- Capacity Reservations

Images

- AMIs
- AMI Catalog

Elastic Block Store

- Volumes
- Snapshots
- Lifecycle Manager

Network & Security

- Security Groups

Instances (4) Info

Find Instance by attribute or tag (case-sensitive)

Instance state = running onpremsim.env All states

Clear filters

Name	Instance ID	Instance state	Instance type	Status check
ofbiz-db.onpremsim.env	i-0f99cb25b5c328827	Running	t3.small	2/2 checks passed
wordpress-web.onpremsim.env	i-054ffdd22a98cb6d7	Running	t3.small	2/2 checks passed
ofbiz-web.onpremsim.env	i-08e345651631c0873	Running	t3.small	2/2 checks passed
wordpress-db.onpremsim.env	i-0cf0e8abcf99dd24	Running	t3.small	2/2 checks passed

Select an instance

MGN-Dryrun-20240731 Instances | EC2 | us-west-2 Instances | EC2 | us-west-2 New Chrome available

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:instanceState=running;search=:onpremsim.env;v=3;\$case=... Star

Services Search [Option+S] EC2 Dashboard EC2 Global View Events Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations Images AMIs AMI Catalog Elastic Block Store Volumes Snapshots Lifecycle Manager Network & Security Security Groups

Instances (1/4) Info C Connect Instance state Actions Launch instances

Find Instance by attribute or tag (case-sensitive) All states

Instance state = running X onpremsim.env X Clear filters

Name Instance ID Instance state Instance type Status check A

Name	Instance ID	Instance state	Instance type	Status check
<input checked="" type="checkbox"/> ofbiz-db.onpremsim.env	i-0f99cb25b5c328827	Running	t3.small	2/2 checks passed
<input type="checkbox"/> wordpress-web.onpremsim.env	i-054ffdd22a98cb6d7	Running	t3.small	2/2 checks passed
<input type="checkbox"/> ofbiz-web.onpremsim.env	i-08e345651631c0873	Running	t3.small	2/2 checks passed
<input type="checkbox"/> wordpress-db.onpremsim.env	i-0cf0e8abcf99dd24	Running	t3.small	2/2 checks passed

i-0f99cb25b5c328827 (ofbiz-db.onpremsim.env)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary Public IPv4 address Private IPv4 address copied

Instance ID i-0f99cb25b5c328827 (ofbiz-db.onpremsim.env) Public IPv4 address -

IPv6 address - Instance state Running

Hostname type IP name: ip-10-0-1-167.us-west-2.compute.internal Private IP DNS name (IPv4 only) ip-10-0-1-167.us-west-2.compute.internal

10.0.1.167 Public IPv4 DNS -

MGN-Dryrun-20240731 Instances | EC2 | us-west-2 Instances | EC2 | us-west-2 us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:instanceState=running;search=:onpremsim.env;v=3;\$case=... New Chrome available

Services Search [Option+S] EC2 Dashboard EC2 Global View Events Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations Images AMIs AMI Catalog Elastic Block Store Volumes Snapshots Lifecycle Manager Network & Security Security Groups

Instances (1/4) Info Find Instance by attribute or tag (case-sensitive) All states Instance state = running onpremsim.env Clear filters 1 / 1 Instance ID Name Instance state Instance type Status check A i-0f99cb25b5c328827 ofbiz-db.onpremsim.env Running t3.small 2/2 checks passed V i-054ffdd22a98cb6d7 wordpress-web.onpremsim.env Running t3.small 2/2 checks passed V i-08e345651631c0873 ofbiz-web.onpremsim.env Running t3.small 2/2 checks passed V i-0cf0e8abcf99dd24 wordpress-db.onpremsim.env Running t3.small 2/2 checks passed V

i-054ffdd22a98cb6d7 (wordpress-web.onpremsim.env)

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary Instance ID: i-054ffdd22a98cb6d7 (wordpress-web.onpremsim.env) Public IPv4 address: - Private IPv4 address copied (10.0.1.61) IPv6 address: - Instance state: Running Public IPv4 DNS: - Hostname type: Private IP DNS name (IPv4 only)

MGN-Dryrun-20240731 Instances | EC2 | us-west-2 Instances | EC2 | us-west-2 us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:instanceState=running;search=:onpremsim.env;v=3;\$case=... New Chrome available

EC2 Dashboard Services Search [Option+S] Instances (1/4) Info C Connect Instance state Actions Launch instances

Find Instance by attribute or tag (case-sensitive) All states

Instance state = running onpremsim.env Clear filters

Name Instance ID Instance state Instance type Status check A

Name	Instance ID	Instance state	Instance type	Status check
ofbiz-db.onpremsim.env	i-0f99cb25b5c328827	Running	t3.small	2/2 checks passed V
wordpress-web.onpremsim.env	i-054ffdd22a98cb6d7	Running	t3.small	2/2 checks passed V
<input checked="" type="checkbox"/> ofbiz-web.onpremsim.env	i-08e345651631c0873	Running	t3.small	2/2 checks passed V
wordpress-db.onpremsim.env	i-0cf0e8abcf99dd24	Running	t3.small	2/2 checks passed V

ofbiz-web.onpremsim.env

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary

Private IPv4 address copied
10.0.1.25

Private IPv4 address copied

Private IPv4 addresses 10.0.1.25

Public IPv4 address -

Instance state Running

Private IP DNS name (IPv4 only)

ip-10-0-1-25.us-west-2.compute.internal

Public IPv4 DNS -

Hostname type

IP name: ip-10-0-1-25.us-west-2.compute.internal

ofbiz-db.onpremsim.env

wordpress-web.onpremsim.env

ofbiz-web.onpremsim.env

wordpress-db.onpremsim.env

AMIs AMI Catalog

Volumes Snapshots Lifecycle Manager

Security Groups

EC2 Dashboard Services Search [Option+S] Instances (1/4) Info C Connect Instance state Actions Launch instances

Find Instance by attribute or tag (case-sensitive) All states

Instance state = running onpremsim.env Clear filters

Name Instance ID Instance state Instance type Status check A

Name	Instance ID	Instance state	Instance type	Status check
ofbiz-db.onpremsim.env	i-0f99cb25b5c328827	Running	t3.small	2/2 checks passed V
wordpress-web.onpremsim.env	i-054ffdd22a98cb6d7	Running	t3.small	2/2 checks passed V
<input checked="" type="checkbox"/> ofbiz-web.onpremsim.env	i-08e345651631c0873	Running	t3.small	2/2 checks passed V
wordpress-db.onpremsim.env	i-0cf0e8abcf99dd24	Running	t3.small	2/2 checks passed V

ofbiz-web.onpremsim.env

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary

Private IPv4 address copied
10.0.1.25

Private IPv4 address copied

Private IPv4 addresses 10.0.1.25

Public IPv4 address -

Instance state Running

Private IP DNS name (IPv4 only)

ip-10-0-1-25.us-west-2.compute.internal

Public IPv4 DNS -

Hostname type

IP name: ip-10-0-1-25.us-west-2.compute.internal

ofbiz-db.onpremsim.env

wordpress-web.onpremsim.env

ofbiz-web.onpremsim.env

wordpress-db.onpremsim.env

AMIs AMI Catalog

Volumes Snapshots Lifecycle Manager

Security Groups

MGN-Dryrun-20240731

Instances | EC2 | us-west-2

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/ec2/home?region=us-west-2#Instances:instanceState=running;search=:onpremsim.env;v=3;\$case=... New Chrome available

AWS Services Search [Option+S] Oregon WSParticipantRole/Participant @ 2140-4335-9993

EC2 Dashboard EC2 Global View Events Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations Images AMIs AMI Catalog Elastic Block Store Volumes Snapshots Lifecycle Manager Network & Security Security Groups

Instances (1/4) Info

Find Instance by attribute or tag (case-sensitive)

All states

Instance state = running onpremsim.env Clear filters

1 / 1

Name	Instance ID	Instance state	Instance type	Status check
ofbiz-db.onpremsim.env	i-0f99cb25b5c328827	Running	t3.small	2/2 checks passed
wordpress-web.onpremsim.env	i-054ffdd22a98cb6d7	Running	t3.small	2/2 checks passed
ofbiz-web.onpremsim.env	i-08e345651631c0873	Running	t3.small	2/2 checks passed
wordpress-db.onpremsim.env	i-0cf0e8abcf99dd24	Running	t3.small	2/2 checks passed

wordpress-db.onpremsim.env

Details Status and alarms Monitoring Security Networking Storage Tags

Instance summary

Instance ID: i-0cf0e8abcf99dd24 (wordpress-db.onpremsim.env)

Public IPv4 address: -

Private IPv4 address copied

IPv6 address: -

Instance state: Running

Public IPv4 DNS: -

Hostname type: IP name: ip-10-0-1-123.us-west-2.compute.internal

Private IP DNS name (IPv4 only): ip-10-0-1-123.us-west-2.compute.internal

10.0.1.123

10.0.1.123



← →

Search

□ □ □ 0%



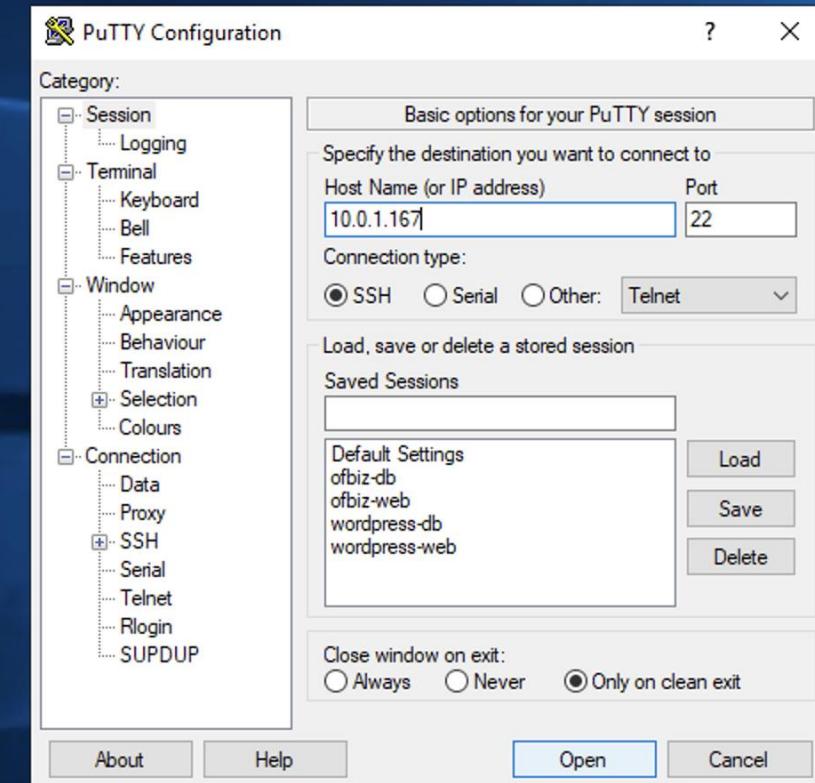
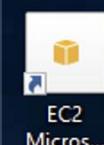
Welcome

≡ 10.0.1.167 Untitled-1 •

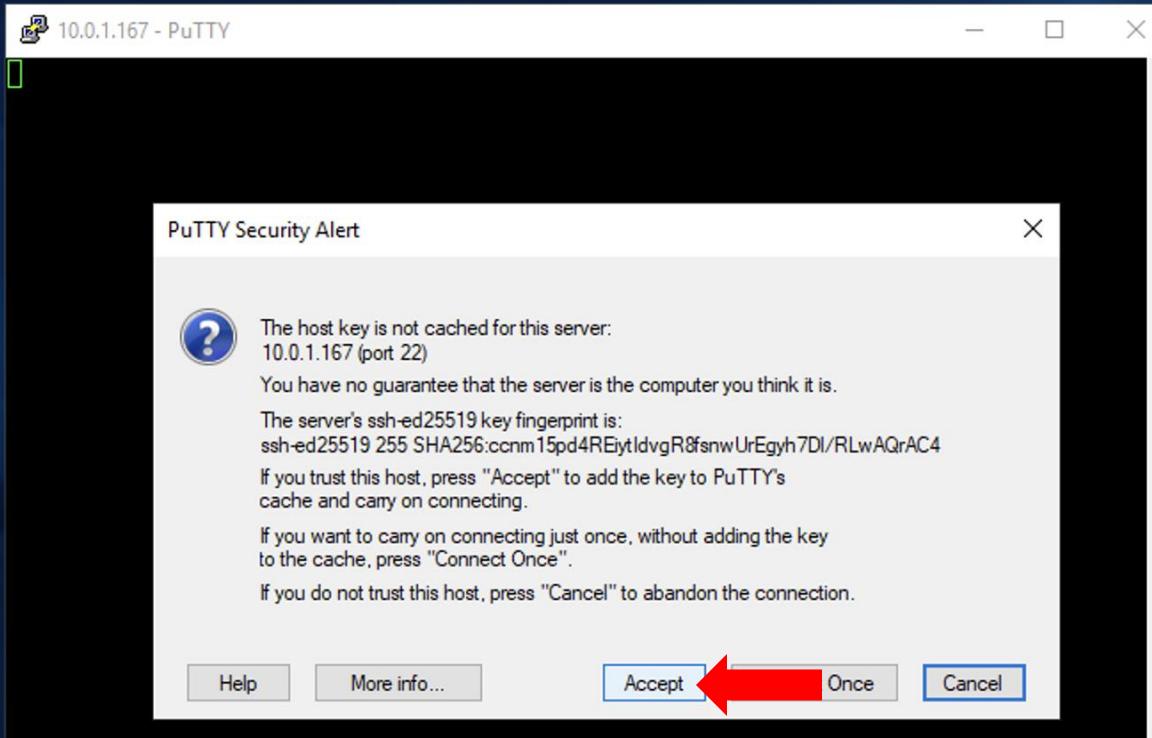
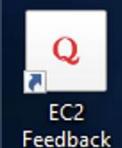
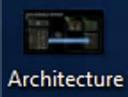


```
1 10.0.1.167
2 10.0.1.61
3 10.0.1.25
4 10.0.1.123
5
6
7 user
8 AWSmgn23
```





Hostname: EC2AMAZ-AA696LQ
Instance ID: i-0f911ab4579d1a74
Public IPv4 address: 52.88.38.193
Private IPv4 address: 192.168.0.12
Instance size: c4.large
Availability Zone: us-west-2a
Architecture: AMD64
Total memory: 3840 MB
Network: Moderate



Hostname: EC2AMAZ-AA696LQ
Instance ID: i-0f911ab4579d1a74
Public IPv4 address: 52.88.38.193
Private IPv4 address: 192.168.0.12
Instance size: c4.large
Availability Zone: us-west-2a
Architecture: AMD64
Total memory: 3840 MB
Network: Moderate



Recycle Bin



Google Chrome



Architecture



EC2 Feedback



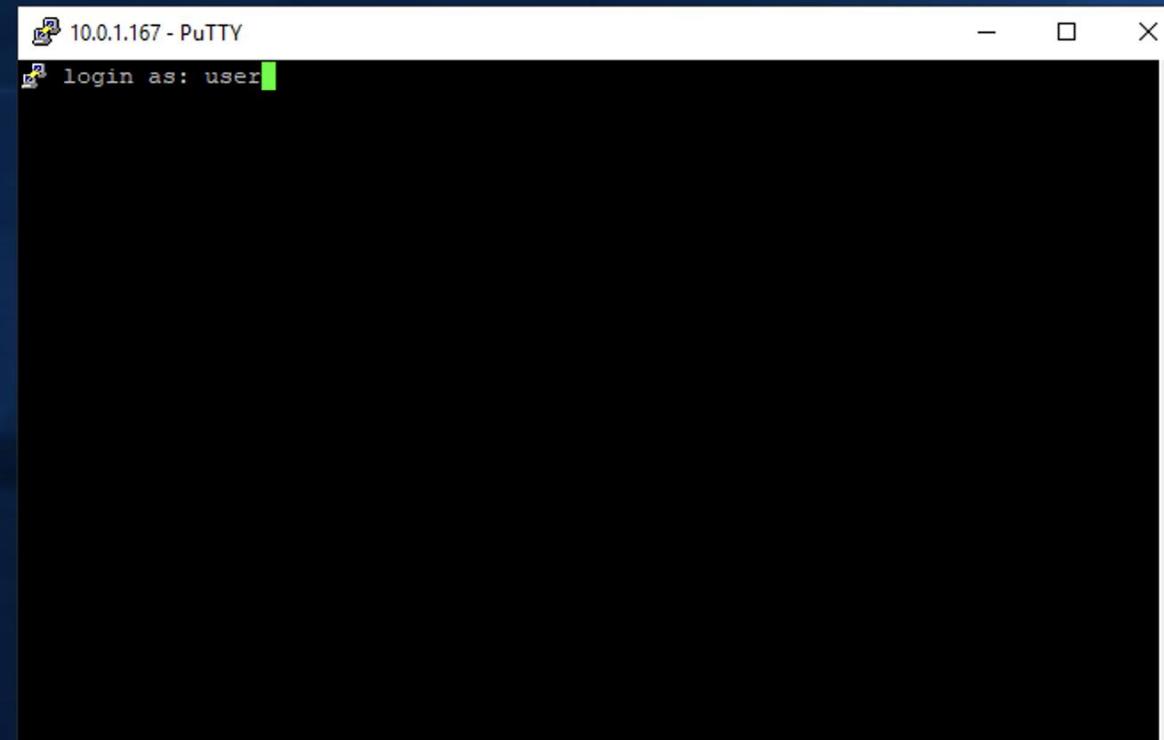
EC2 Micros...



Microsoft Remote...



PuTTY



Hostname: EC2AMAZ-AA696LQ
Instance ID: i-0f911ab4579d1a74
Public IPv4 address: 52.88.38.193
Private IPv4 address: 192.168.0.12
Instance size: c4.large
Availability Zone: us-west-2a
Architecture: AMD64
Total memory: 3840 MB
Network: Moderate



Recycle Bin



Google Chrome



Architecture



EC2 Feedback



EC2 Micros...



Microsoft Remote...



Putty

```
user@ofbiz-db:~  
login as: user  
user@10.0.1.167's password:  
Last login: Thu Aug  1 09:02:24 2024 from 192.168.0.12  
[user@ofbiz-db ~]$
```

Hostname: EC2AMAZ-AA696LQ
Instance ID: i-0f911ab4579d1a74
Public IPv4 address: 52.88.38.193
Private IPv4 address: 192.168.0.12
Instance size: c4.large
Availability Zone: us-west-2a
Architecture: AMD64
Total memory: 3840 MB
Network: Moderate



← →

Search

□ □ □ 0%



Welcome

≡ 10.0.1.167 Untitled-1 •



```
1 10.0.1.167
2 10.0.1.61
3 10.0.1.25
4 10.0.1.123
5
6
7 user
8 AWSmgn23
```



Recycle Bin



Google Chrome



Architecture



EC2 Feedback



EC2 Micros...



Microsoft Remote...



Putty

user@ofbiz-db:~

```
login as: user
user@10.0.1.167's password:
Last login: Thu Aug  1 09:02:24 2024 f
[user@ofbiz-db ~]$
```

PuTTY Configuration

Category: Basic options for your PuTTY session

Specify the destination you want to connect to

Host Name (or IP address) Port
10.0.1.61 22

Connection type:
 SSH Serial Other: Telnet

Load, save or delete a stored session

Saved Sessions

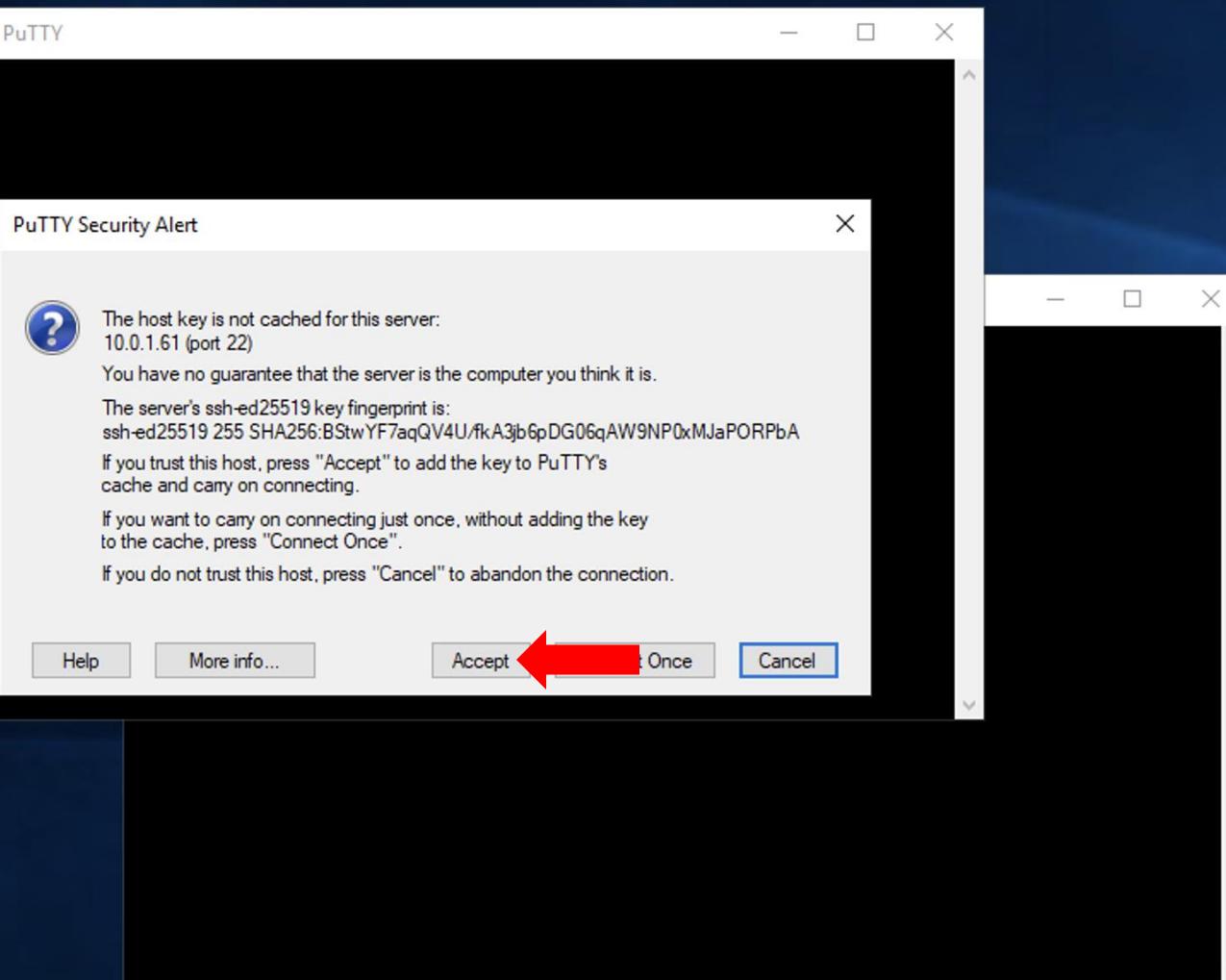
Default Settings
ofbiz-db
ofbiz-web
wordpress-db
wordpress-web

Close window on exit:
 Always Never Only on clean exit

About Help Open Cancel

Hostname: EC2AMAZ-AA696LQ
Instance ID: i-0f911ab4579d1a74
Public IPv4 address: 52.88.38.193
Private IPv4 address: 192.168.0.12
Instance size: c4.large
Availability Zone: us-west-2a
Architecture: AMD64
Total memory: 3840 MB
Network: Moderate

Hostname: EC2AMAZ-AA696LQ
Instance ID: i-0f911ab4579d1a74
Public IPv4 address: 52.88.38.193
Private IPv4 address: 192.168.0.12
Instance size: c4.large
Availability Zone: us-west-2a
Architecture: AMD64
Total memory: 3840 MB
Network: Moderate





user@wordpress-web:~

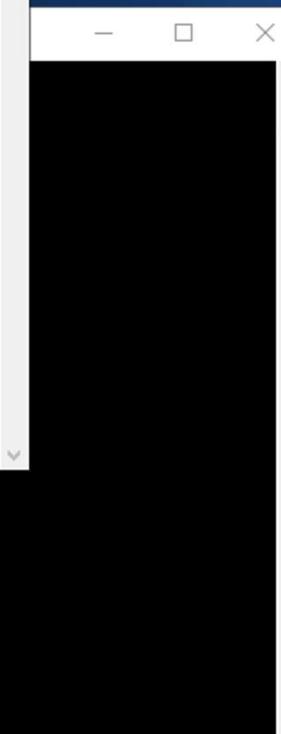
- □ ×

```
Recycle bin
user login as: user
user@10.0.1.61's password:
Access denied
user@10.0.1.61's password:
Last failed login: Thu Aug 1 11:21:49 UTC 2024 from 192.168.0.12 on ssh:notty
There was 1 failed login attempt since the last successful login.
Last login: Thu Aug 1 09:02:51 2024 from 192.168.0.12
Chroot [user@wordpress-web ~]$
```

Archives

Email
FeedEC2
Microsoft...Microsoft
Remote...

Putty



Hostname: EC2AMAZ-AA696LQ
Instance ID: i-0f911ab4579d1a74
Public IPv4 address: 52.88.38.193
Private IPv4 address: 192.168.0.12
Instance size: c4.large
Availability Zone: us-west-2a
Architecture: AMD64
Total memory: 3840 MB
Network: Moderate





← →

Search

□ □ □ 0%



Welcome

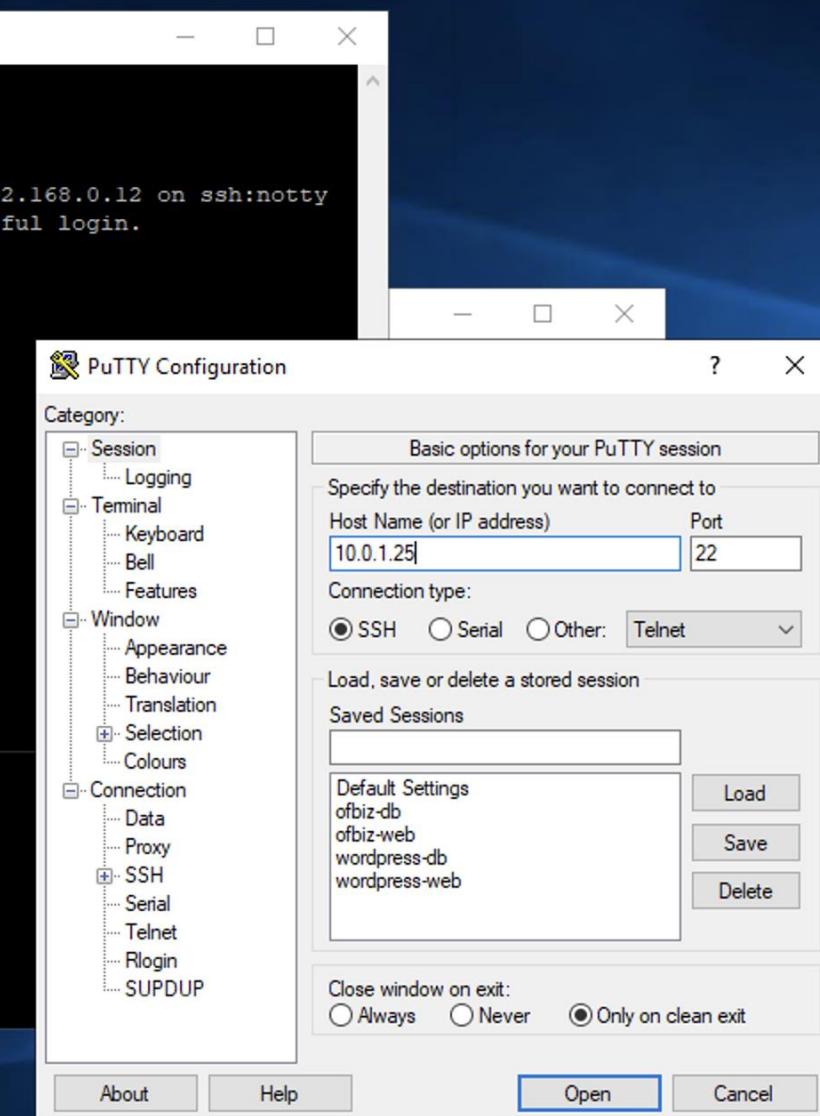
≡ 10.0.1.167 Untitled-1 •



```
1 10.0.1.167
2 10.0.1.61
3 10.0.1.25
4 10.0.1.123
5
6
7 user
8 AWSmgn23
```

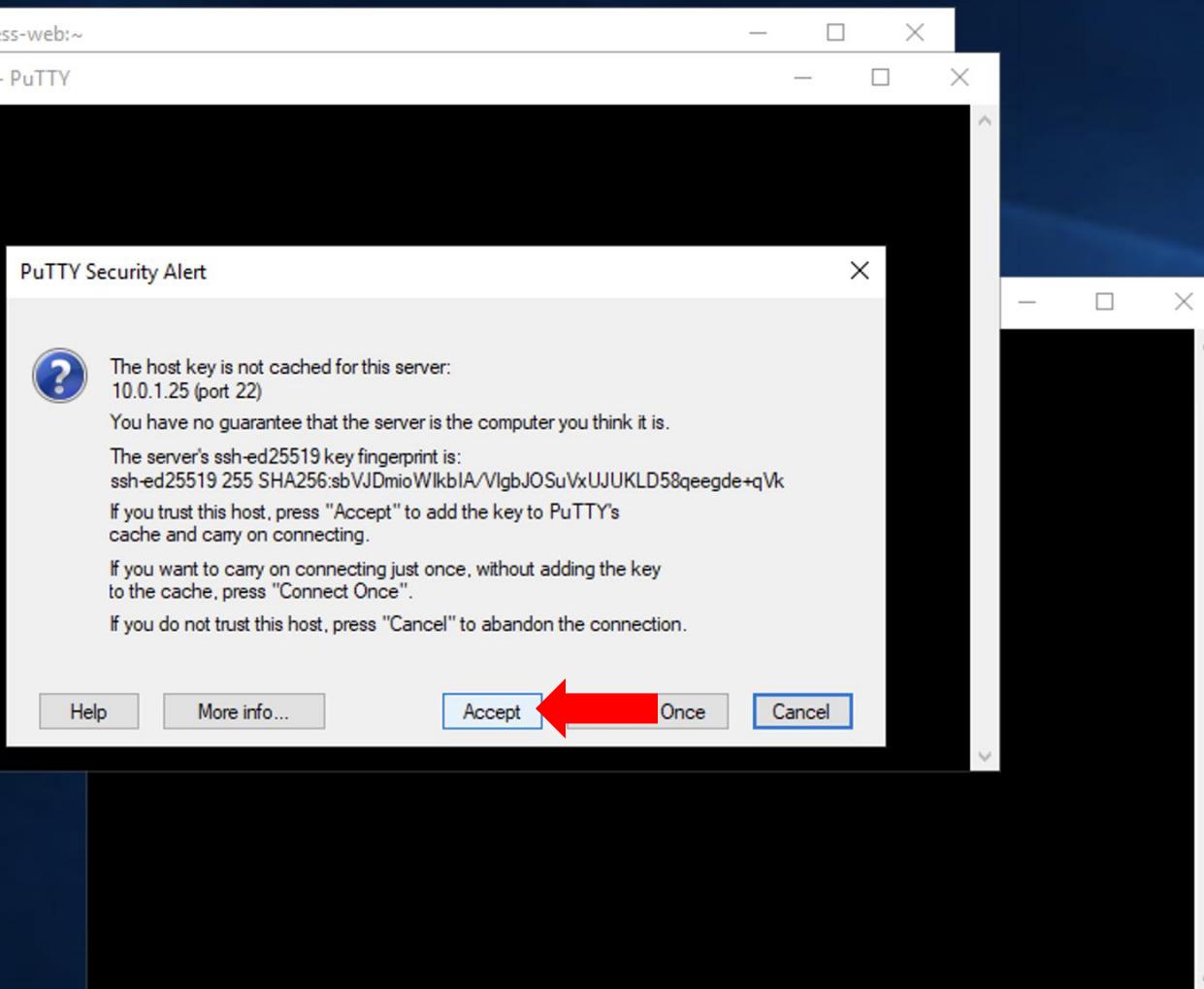


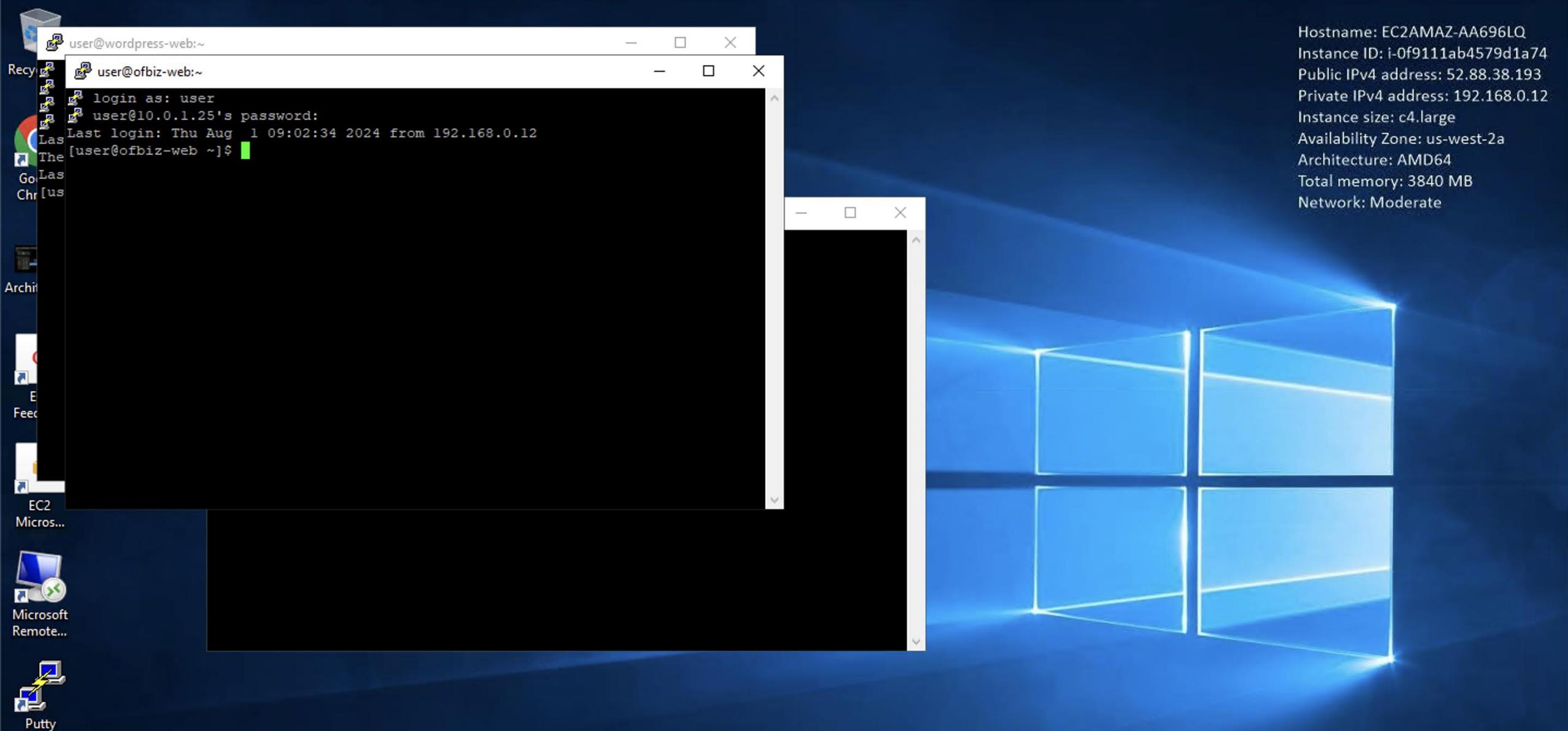
```
user@wordpress-web:~  
Recycle login as: user  
user@10.0.1.61's password:  
Access denied  
user@10.0.1.61's password:  
Last failed login: Thu Aug 1 11:21:49 UTC 2024 from 192.168.0.12 on ssh:notty  
There was 1 failed login attempt since the last successful login.  
Last login: Thu Aug 1 09:02:51 2024 from 192.168.0.12  
[user@wordpress-web ~]$
```



Hostname: EC2AMAZ-AA696LQ
Instance ID: i-0f911ab4579d1a74
Public IPv4 address: 52.88.38.193
Private IPv4 address: 192.168.0.12
Instance size: c4.large
Availability Zone: us-west-2a
Architecture: AMD64
Total memory: 3840 MB
Network: Moderate

Hostname: EC2AMAZ-AA696LQ
Instance ID: i-0f911ab4579d1a74
Public IPv4 address: 52.88.38.193
Private IPv4 address: 192.168.0.12
Instance size: c4.large
Availability Zone: us-west-2a
Architecture: AMD64
Total memory: 3840 MB
Network: Moderate







← →

Search

□ □ □ 0%

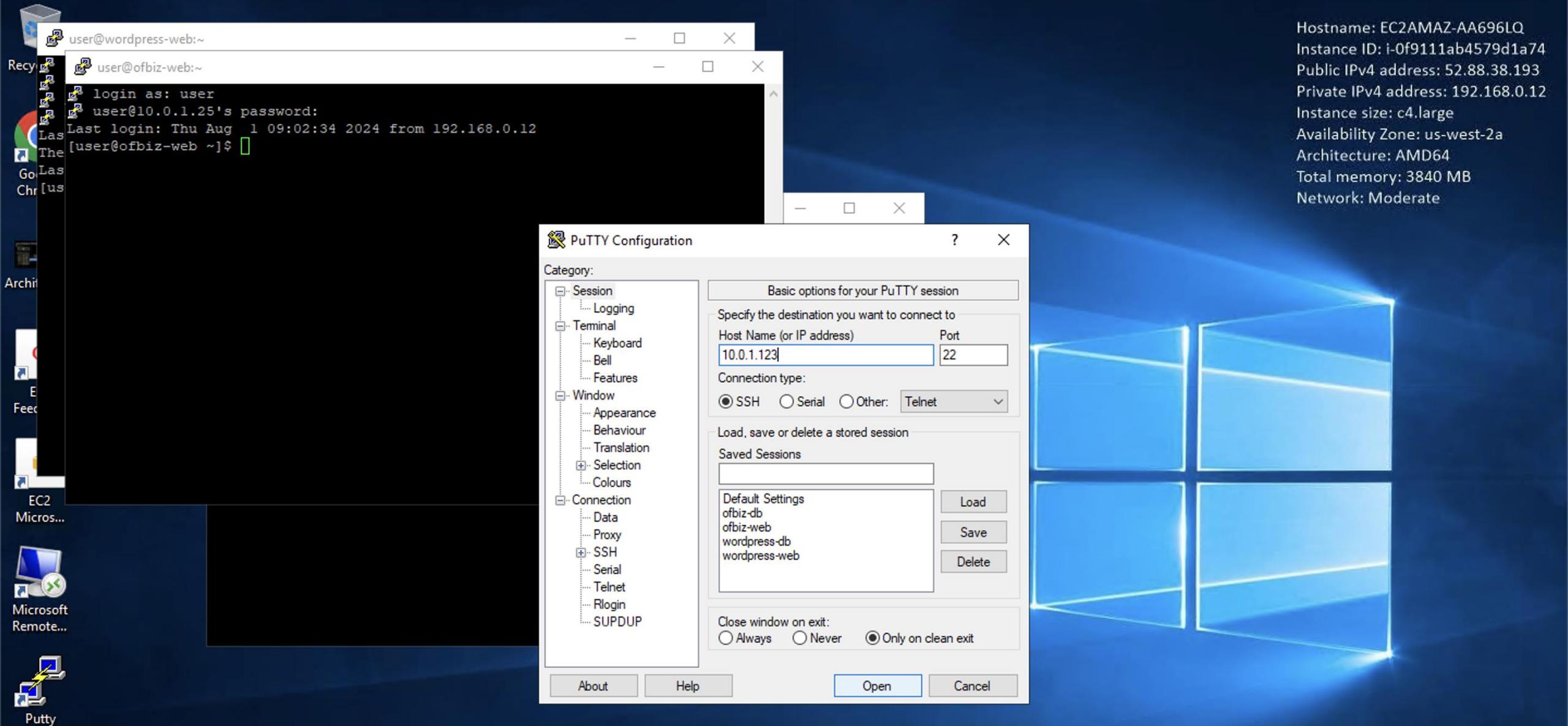


Welcome

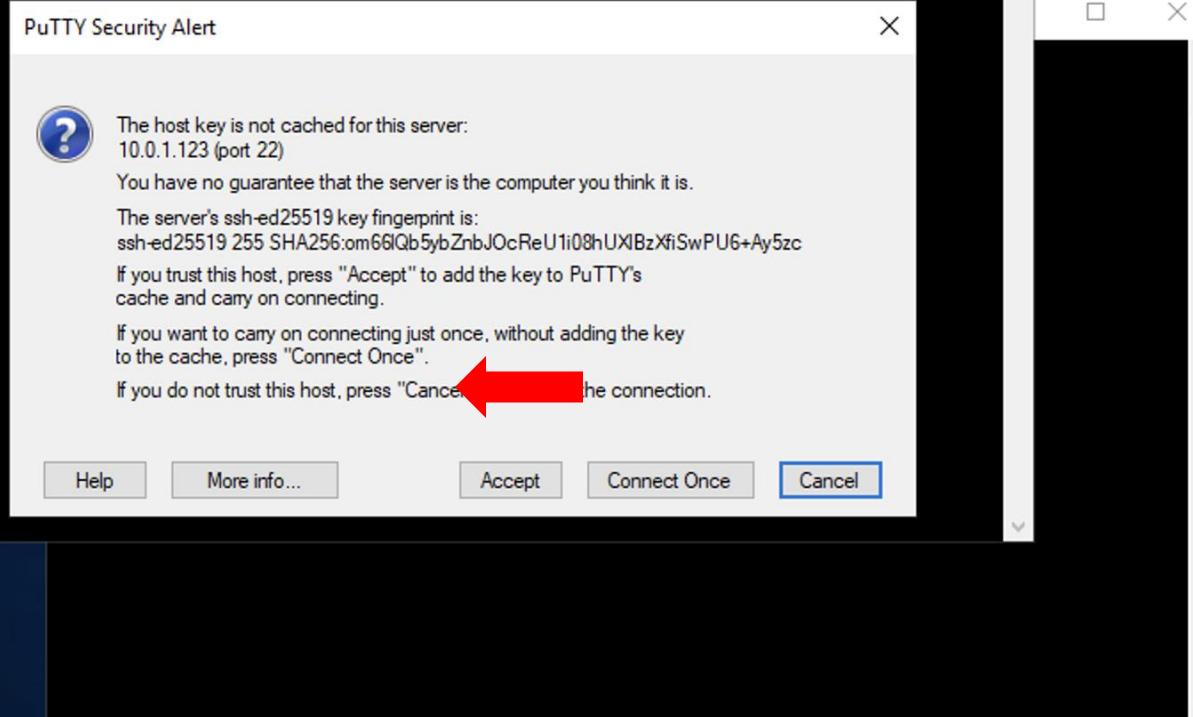
≡ 10.0.1.167 Untitled-1 •

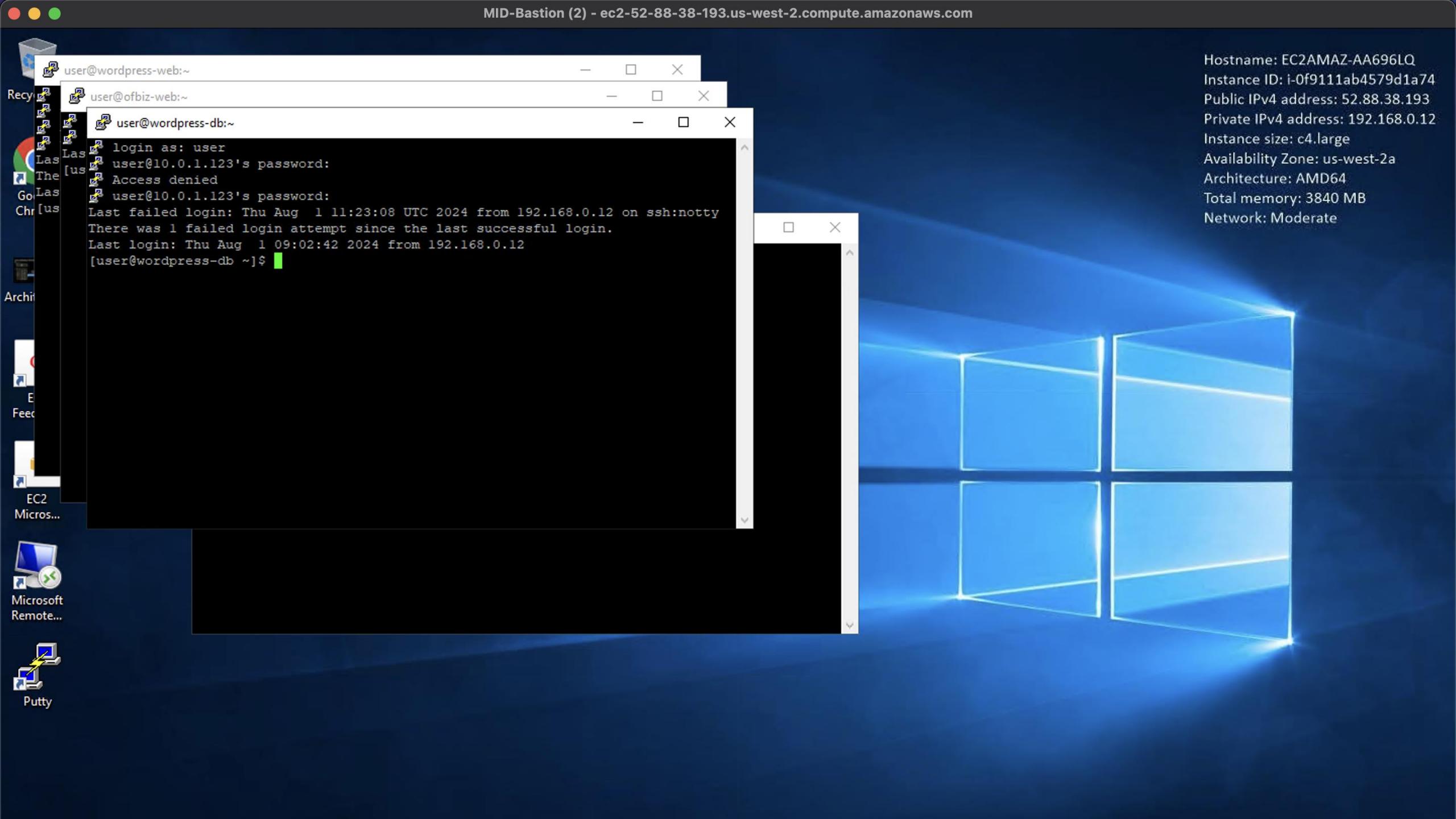


```
1 10.0.1.167
2 10.0.1.61
3 10.0.1.25
4 10.0.1.123
5
6
7 user
8 AWSmgn23
```



Hostname: EC2AMAZ-AA696LQ
Instance ID: i-0f911ab4579d1a74
Public IPv4 address: 52.88.38.193
Private IPv4 address: 192.168.0.12
Instance size: c4.large
Availability Zone: us-west-2a
Architecture: AMD64
Total memory: 3840 MB
Network: Moderate





```
user@ofbiz-db:~  
login as: user  
user@10.0.1.167's password:  
Last login: Thu Aug  1 09:02:24 2024 from 192.168.0.12  
[user@ofbiz-db ~]$ █  
  
user@wordpress-web:~  
login as: user  
user@10.0.1.61's password:  
Access denied  
user@10.0.1.61's password:  
Last failed login: Thu Aug  1 11:21:49 UTC 2024 from 192.168.0.12 on ssh:notty  
There was 1 failed login attempt since the last successful login.  
Last login: Thu Aug  1 09:02:51 2024 from 192.168.0.12  
[user@wordpress-web ~]$ █  
  
user@ofbiz-web:~  
login as: user  
user@10.0.1.25's password:  
Last login: Thu Aug  1 09:02:34 2024 from 192.168.0.12  
[user@ofbiz-web ~]$ █  
  
user@wordpress-db:~  
login as: user  
user@10.0.1.123's password:  
Access denied  
user@10.0.1.123's password:  
Last failed login: Thu Aug  1 11:23:08 UTC 2024 from 192.168.0.12 on ssh:notty  
There was 1 failed login attempt since the last successful login.  
Last login: Thu Aug  1 09:02:42 2024 from 192.168.0.12  
[user@wordpress-db ~]$ █
```





Create and Tag Applications and

Waves

[Optional] Modify the EC2
Launch Template

▼ Testing and Validation

Launch Test Instance

Validate Test Instances

▼ Cutover

Shutdown Source Environment

Launch Cutover Instance

**Update DNS and Validate the
applications**

▼ Finalize Migration and Cleanup

Finalize cutover and Archive

Servers

▼ AWS account access

Open AWS console
(us-west-2)

Get AWS CLI credentials

Get EC2 SSH key

▼ Content preferences

Language

English

Exit event

```
1 ADDR=`hostname -I`  
2 HOST=`hostname`  
3 sudo touch /tmp/nsupdate.txt  
4 sudo chmod 666 /tmp/nsupdate.txt  
5 echo "server dns.onpremsim.env" > /tmp/nsupdate.txt  
6 echo "update delete $HOST A" >> /tmp/nsupdate.txt  
7 echo "update add $HOST 86400 A $ADDR" >> /tmp/nsupdate.txt  
8 echo "update delete $HOST PTR" >> /tmp/nsupdate.txt  
9 echo "update add $HOST 86400 PTR $ADDR" >> /tmp/nsupdate.txt  
10 echo "send" >> /tmp/nsupdate.txt  
11 sudo nsupdate /tmp/nsupdate.txt
```

Copied!



```
user@ofbiz-db:~  
└─ login as: user  
└─ user@10.0.0.103's password:  
Last login: Fri Mar 31 17:52:40 2023 from 192.168.0.225  
[user@ofbiz-db ~]$ ADDR=`hostname -I`  
sudo touch /tmp/nsupdate.txt  
sudo chmod 666 /tmp/nsupdate.txt  
echo "server dns.onpremsim.env" > /tmp/nsupdate.txt  
echo "update delete $HOST A" >> /tmp/nsupdate.txt  
echo "update add $HOST 86400 A $ADDR" >> /tmp/nsupdate.txt  
echo "update delete $HOST PTR" >> /tmp/nsupdate.txt  
echo "update add $HOST 86400 PTR $ADDR" >> /tmp/nsupdate.txt  
echo "send" >> /tmp/nsupdate.txt  
sudo nsupdate /tmp/nsupdate.txt  
[user@ofbiz-db ~]$ HOST=`hostname`  
[user@ofbiz-db ~]$ sudo touch /tmp/nsupdate.txt  
[user@ofbiz-db ~]$ sudo chmod 666 /tmp/nsupdate.txt  
[user@ofbiz-db ~]$ echo "server dns.onpremsim.env" > /tmp/nsupdate.txt  
[user@ofbiz-db ~]$ echo "update delete $HOST A" >> /tmp/nsupdate.txt  
[user@ofbiz-db ~]$ echo "update add $HOST 86400 A $ADDR" >> /tmp/nsupdate.txt  
[user@ofbiz-db ~]$ echo "update delete $HOST PTR" >> /tmp/nsupdate.txt  
[user@ofbiz-db ~]$ echo "update add $HOST 86400 PTR $ADDR" >> /tmp/nsupdate.txt
```

```

user@ofbiz-db:~ 
  ↳ user@10.0.1.167's password:
Last login: Thu Aug  1 09:02:24 2024 from 192.168.0.12
[user@ofbiz-db ~]$ ADDR='hostname -I'
HOST='hostname'
sudo touch /tmp/nsupdate.txt
sudo chmod 666 /tmp/nsupdate.txt
echo "server dns.onpremsim.env" > /tmp/nsupdate.txt
echo "update delete $HOST A" >> /tmp/nsupdate.txt
echo "update add $HOST 86400 A $ADDR" >> /tmp/nsupdate.txt
echo "update delete $HOST PTR" >> /tmp/nsupdate.txt
echo "update add $HOST 86400 PTR $ADDR" >> /tmp/nsupdate.txt
echo "send" >> /tmp/nsupdate.txt
sudo nsupdate /tmp/nsupdate.txt
[user@ofbiz-db ~]$ HOST='hostname'
[user@ofbiz-db ~]$ sudo touch /tmp/nsupdate.txt
[user@ofbiz-db ~]$ sudo chmod 666 /tmp/nsupdate.txt
[user@ofbiz-db ~]$ echo "server dns.onpremsim.env" > /tmp/nsupdate.txt
[user@ofbiz-db ~]$ echo "update delete $HOST A" >> /tmp/nsupdate.txt
[user@ofbiz-db ~]$ echo "update add $HOST 86400 A $ADDR" >> /tmp/nsupdate.txt
[user@ofbiz-db ~]$ echo "update delete $HOST PTR" >> /tmp/nsupdate.txt
[user@ofbiz-db ~]$ echo "update add $HOST 86400 PTR $ADDR" >> /tmp/nsupdate.txt
[user@ofbiz-db ~]$ echo "send" >> /tmp/nsupdate.txt
[user@ofbiz-db ~]$ sudo nsupdate /tmp/nsupdate.txt
[user@ofbiz-db ~]$ 

user@wordpress-web:~ 
  ↳ login as: user
  ↳ user@10.0.1.61's password:
Access denied
  ↳ user@10.0.1.61's password:
Last failed login: Thu Aug  1 11:21:49 UTC 2024 from 192.168.0.12 on ssh:notty
There was 1 failed login attempt since the last successful login.
Last login: Thu Aug  1 09:02:51 2024 from 192.168.0.12
[user@wordpress-web ~]$ ADDR='hostname -I'
echo "send" >> /tmp/nsupdate.txt
sudo nsupdate /tmp/nsupdate.txt
[user@wordpress-web ~]$ HOST='hostname'
[user@wordpress-web ~]$ sudo touch /tmp/nsupdate.txt
[user@wordpress-web ~]$ sudo chmod 666 /tmp/nsupdate.txt
[user@wordpress-web ~]$ echo "server dns.onpremsim.env" > /tmp/nsupdate.txt
[user@wordpress-web ~]$ echo "update delete $HOST A" >> /tmp/nsupdate.txt
[user@wordpress-web ~]$ echo "update add $HOST 86400 A $ADDR" >> /tmp/nsupdate.txt
[user@wordpress-web ~]$ echo "update delete $HOST PTR" >> /tmp/nsupdate.txt
[user@wordpress-web ~]$ echo "update add $HOST 86400 PTR $ADDR" >> /tmp/nsupdate.txt
[user@wordpress-web ~]$ echo "send" >> /tmp/nsupdate.txt
[user@wordpress-web ~]$ sudo nsupdate /tmp/nsupdate.txt
[user@wordpress-web ~]$ 

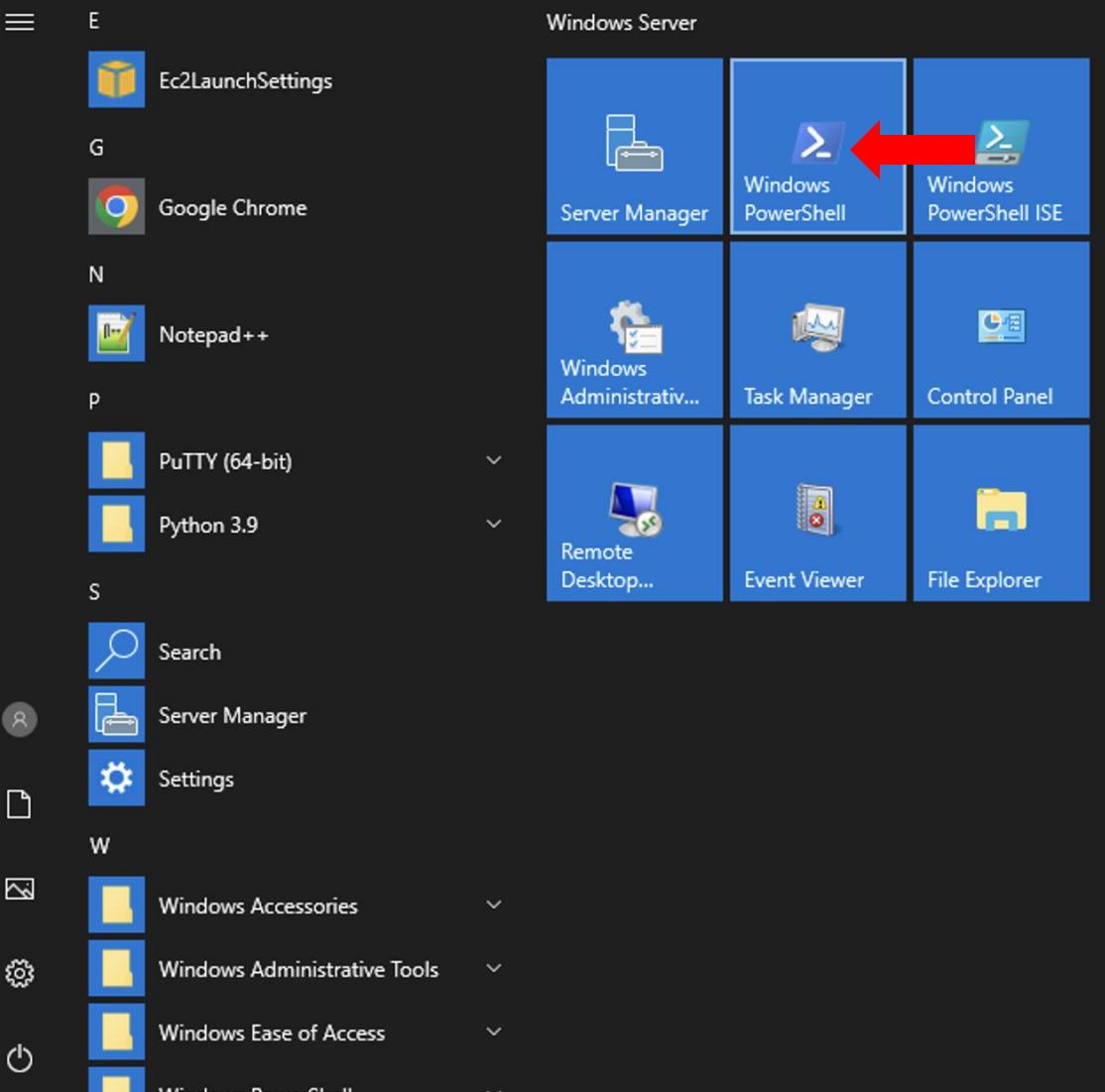
user@ofbiz-web:~ 
  ↳ user@10.0.1.25's password:
Last login: Thu Aug  1 09:02:34 2024 from 192.168.0.12
[user@ofbiz-web ~]$ ADDR='hostname -I'
HOST='hostname'
sudo touch /tmp/nsupdate.txt
sudo chmod 666 /tmp/nsupdate.txt
echo "server dns.onpremsim.env" > /tmp/nsupdate.txt
echo "update delete $HOST A" >> /tmp/nsupdate.txt
echo "update add $HOST 86400 A $ADDR" >> /tmp/nsupdate.txt
echo "update delete $HOST PTR" >> /tmp/nsupdate.txt
echo "update add $HOST 86400 PTR $ADDR" >> /tmp/nsupdate.txt
echo "send" >> /tmp/nsupdate.txt
sudo nsupdate /tmp/nsupdate.txt
[user@ofbiz-web ~]$ HOST='hostname'
echo "send" >> /tmp/nsupdate.txt
sudo nsupdate /tmp/nsupdate.txt
[user@ofbiz-web ~]$ sudo touch /tmp/nsupdate.txt
[user@ofbiz-web ~]$ sudo chmod 666 /tmp/nsupdate.txt
[user@ofbiz-web ~]$ echo "server dns.onpremsim.env" > /tmp/nsupdate.txt
[user@ofbiz-web ~]$ echo "update delete $HOST A" >> /tmp/nsupdate.txt
[user@ofbiz-web ~]$ echo "update add $HOST 86400 A $ADDR" >> /tmp/nsupdate.txt
[user@ofbiz-web ~]$ echo "update delete $HOST PTR" >> /tmp/nsupdate.txt
[user@ofbiz-web ~]$ echo "update add $HOST 86400 PTR $ADDR" >> /tmp/nsupdate.txt
[user@ofbiz-web ~]$ echo "send" >> /tmp/nsupdate.txt
sudo nsupdate /tmp/nsupdate.txt
[user@ofbiz-web ~]$ 

user@wordpress-db:~ 
  ↳ Last login: Thu Aug  1 09:02:42 2024 from 192.168.0.12
  ↳ user@10.0.1.61's password:
  ↳ Access denied
  ↳ user@10.0.1.61's password:
Last failed login: Thu Aug  1 11:21:49 UTC 2024 from 192.168.0.12 on ssh:notty
There was 1 failed login attempt since the last successful login.
Last login: Thu Aug  1 09:02:51 2024 from 192.168.0.12
[user@wordpress-db ~]$ ADDR='hostname -I'
echo "send" >> /tmp/nsupdate.txt
sudo nsupdate /tmp/nsupdate.txt
[user@wordpress-db ~]$ HOST='hostname'
[user@wordpress-db ~]$ sudo touch /tmp/nsupdate.txt
[user@wordpress-db ~]$ sudo chmod 666 /tmp/nsupdate.txt
[user@wordpress-db ~]$ echo "server dns.onpremsim.env" > /tmp/nsupdate.txt
[user@wordpress-db ~]$ echo "update delete $HOST A" >> /tmp/nsupdate.txt
[user@wordpress-db ~]$ echo "update add $HOST 86400 A $ADDR" >> /tmp/nsupdate.txt
[user@wordpress-db ~]$ echo "update delete $HOST PTR" >> /tmp/nsupdate.txt
[user@wordpress-db ~]$ echo "update add $HOST 86400 PTR $ADDR" >> /tmp/nsupdate.txt
[user@wordpress-db ~]$ echo "send" >> /tmp/nsupdate.txt
sudo nsupdate /tmp/nsupdate.txt

```

Recycle Bin

```
[user@ofbiz-db ~]$ ADDR='hostname -I'  
HOST='hostname'  
sudo touch /tmp/nsupdate.txt  
sudo chmod 666 /tmp/nsupdate.txt  
echo "server dns.onpremsim.env" > /tmp/nsupdate.txt  
echo "update delete $HOST A" >> /tmp/nsupdate.txt  
echo "update add $HOST 86400 A $ADDR" >> /tmp/nsupdate.txt  
echo "update delete $HOST PTR" >> /tmp/nsupdate.txt
```



```
Access denied  
user@10.0.1.61's password:  
Last failed login: Thu Aug  1 11:21:49 UTC 2024 from 192.168.0.12 on ssh:notty  
There was 1 failed login attempt since the last successful login.  
Last login: Thu Aug  1 09:02:51 2024 from 192.168.0.12  
[user@wordpress-web ~]$ ADDR='hostname -I'  
echo "send" >> /tmp/nsupdate.txt  
sudo nsupdate /tmp/nsupdate.txt  
[user@wordpress-web ~]$ HOST='hostname'  
[user@wordpress-web ~]$ sudo touch /tmp/nsupdate.txt  
[user@wordpress-web ~]$ sudo chmod 666 /tmp/nsupdate.txt  
[user@wordpress-web ~]$ echo "server dns.onpremsim.env" > /tmp/nsupdate.txt  
[user@wordpress-web ~]$ echo "update delete $HOST A" >> /tmp/nsupdate.txt  
[user@wordpress-web ~]$ echo "update add $HOST 86400 A $ADDR" >> /tmp/nsupdate.txt  
[user@wordpress-web ~]$ echo "update delete $HOST PTR" >> /tmp/nsupdate.txt  
[user@wordpress-web ~]$ echo "update add $HOST 86400 PTR $ADDR" >> /tmp/nsupdate.txt  
[user@wordpress-web ~]$ echo "send" >> /tmp/nsupdate.txt  
[user@wordpress-web ~]$ sudo nsupdate /tmp/nsupdate.txt  
[user@wordpress-web ~]$
```

```
user@wordpress-db:~  
Last login: Thu Aug  1 09:02:42 2024 from 192.168.0.12  
[user@wordpress-db ~]$ ADDR='hostname -I'  
sudo touch /tmp/nsupdate.txt  
sudo chmod 666 /tmp/nsupdate.txt  
echo "server dns.onpremsim.env" > /tmp/nsupdate.txt  
echo "update delete $HOST A" >> /tmp/nsupdate.txt  
echo "update add $HOST 86400 A $ADDR" >> /tmp/nsupdate.txt  
echo "update delete $HOST PTR" >> /tmp/nsupdate.txt  
echo "update add $HOST 86400 PTR $ADDR" >> /tmp/nsupdate.txt  
echo "send" >> /tmp/nsupdate.txt  
sudo nsupdate /tmp/nsupdate.txt  
[user@wordpress-db ~]$ HOST='hostname'  
[user@wordpress-db ~]$ sudo touch /tmp/nsupdate.txt  
[user@wordpress-db ~]$ sudo chmod 666 /tmp/nsupdate.txt  
[user@wordpress-db ~]$ echo "server dns.onpremsim.env" > /tmp/nsupdate.txt  
[user@wordpress-db ~]$ echo "update delete $HOST A" >> /tmp/nsupdate.txt  
[user@wordpress-db ~]$ echo "update add $HOST 86400 A $ADDR" >> /tmp/nsupdate.txt  
[user@wordpress-db ~]$ echo "update delete $HOST PTR" >> /tmp/nsupdate.txt  
[user@wordpress-db ~]$ echo "update add $HOST 86400 PTR $ADDR" >> /tmp/nsupdate.txt  
[user@wordpress-db ~]$ echo "send" >> /tmp/nsupdate.txt  
[user@wordpress-db ~]$ sudo nsupdate /tmp/nsupdate.txt  
[user@wordpress-db ~]$
```

```
user@ofbiz-db:~  
user@10.0.1.167's password:  
Last login: Thu Aug  1 09:02:24 2024 from 192.168.0.12  
[user@ofbiz-db ~]$ ADDR='hostname -I'  
HOST='hostname'  
sudo touch /tmp/nsupdate.txt  
Administrator: Windows PowerShell  
Windows PowerShell  
Copyright (C) Microsoft Corporation. All rights reserved.  
PS C:\Users\Administrator>  
  
user@wordpress-web:~  
login as: user  
user@10.0.1.61's password:  
Access denied  
user@10.0.1.61's password:  
Last failed login: Thu Aug  1 11:21:49 UTC 2024 from 192.168.0.12 on ssh:notty  
attempt since the last successful login.  
9:02:51 2024 from 192.168.0.12  
ADDR='hostname -I'  
date.txt  
late.txt  
HOST='hostname'  
sudo touch /tmp/nsupdate.txt  
sudo chmod 666 /tmp/nsupdate.txt  
echo "server dns.onpremsim.env" > /tmp/nsupdate.txt  
echo "update delete $HOST A" >> /tmp/nsupdate.txt  
echo "update add $HOST 86400 A $ADDR" >> /tmp/nsupdate.t  
echo "update delete $HOST PTR" >> /tmp/nsupdate.txt  
echo "update add $HOST 86400 PTR $ADDR" >> /tmp/nsupdate  
echo "send" >> /tmp/nsupdate.txt  
sudo nsupdate /tmp/nsupdate.txt  
  
9:02:42 2024 from 192.168.0.12  
ADDR='hostname -I'  
.txt  
date.txt  
sim.env" > /tmp/nsupdate.txt  
T A" >> /tmp/nsupdate.txt  
6400 A $ADDR" >> /tmp/nsupdate.txt  
T PTR" >> /tmp/nsupdate.txt  
6400 PTR $ADDR" >> /tmp/nsupdate.txt  
date.txt  
late.txt  
HOST='hostname'  
sudo touch /tmp/nsupdate.txt  
sudo chmod 666 /tmp/nsupdate.txt  
echo "server dns.onpremsim.env" > /tmp/nsupdate.txt  
echo "update delete $HOST A" >> /tmp/nsupdate.txt  
echo "update add $HOST 86400 A $ADDR" >> /tmp/nsupdate.tx  
echo "update delete $HOST PTR" >> /tmp/nsupdate.txt  
echo "update add $HOST 86400 PTR $ADDR" >> /tmp/nsupdate.
```



Create and Tag Applications and

Waves

[Optional] Modify the EC2
Launch Template

▼ Testing and Validation

Launch Test Instance

Validate Test Instances

▼ Cutover

Shutdown Source Environment

Launch Cutover Instance

Update DNS and Validate the
applications

▼ Finalize Migration and Cleanup

Finalize cutover and Archive
Servers

▼ AWS account access

Open AWS console
(us-west-2)

Get AWS CLI credentials

Get EC2 SSH key

▼ Content preferences

Language

English

Exit event

```
nslookup wordpress-web.onpremsim.env
nslookup wordpress-db.onpremsim.env
nslookup ofbiz-web.onpremsim.env
nslookup ofbiz-db.onpremsim.env
```

Administrator: Windows PowerShell

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

PS C:\Users\Administrator> nslookup wordpress-web.onpremsim.env
Server: dns.onpremsim.env
Address: 192.168.1.250

Name:   wordpress-web.onpremsim.env
Address: 10.0.0.215

PS C:\Users\Administrator> nslookup wordpress-db.onpremsim.env
Server: dns.onpremsim.env
Address: 192.168.1.250

Name:   wordpress-db.onpremsim.env
Address: 10.0.0.24

PS C:\Users\Administrator> nslookup ofbiz-web.onpremsim.env
Server: dns.onpremsim.env
Address: 192.168.1.250

Name:   ofbiz-web.onpremsim.env
Address: 10.0.0.21

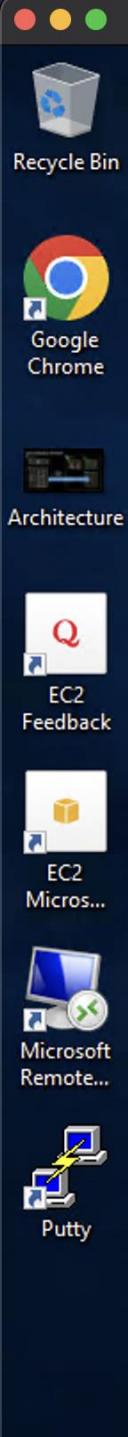
PS C:\Users\Administrator> nslookup ofbiz-db.onpremsim.env
Server: dns.onpremsim.env
Address: 192.168.1.250

Name:   ofbiz-db.onpremsim.env
Address: 10.0.0.103

PS C:\Users\Administrator>
```

Copied!





user@ofbiz-db:~

```

user@10.0.1.167's password:
Last login: Thu Aug  1 09:02:24 2024 from 192.168.0.12
[user@ofbiz-db ~]$ ADDR='hostname -I'
HOST='hostname'
sudo touch /tmp/nsup
Administrator: Windows PowerShell
sudo chmod 666 /tmp/
Windows PowerShell
echo "server dns.onpCopyright (C) Microsoft Corporation. All rights reserved.
echo "update delete
echo "update add $HOPS C:\Users\Administrator> nslookup wordpress-web.onpremsim.env
echo "update delete Server: dns.onpremsim.env
echo "update add $HOAddress: 192.168.1.250
echo "send" >> /tmp/Name:    wordpress-web.onpremsim.env
sudo nsupdate /tmp/nAddress: 10.0.1.61
[user@ofbiz-db ~]$ H
PS C:\Users\Administrator> nslookup wordpress-db.onpremsim.env
[user@ofbiz-db ~]$ sServer: dns.onpremsim.env
[user@ofbiz-db ~]$ eAddress: 192.168.1.250
[user@ofbiz-db ~]$ eName:    wordpress-db.onpremsim.env
[user@ofbiz-db ~]$ eAddress: 10.0.1.123
[user@ofbiz-db ~]$ e
PS C:\Users\Administrator> nslookup ofbiz-web.onpremsim.env
[user@ofbiz-db ~]$ eServer: dns.onpremsim.env
[user@ofbiz-db ~]$ sAddress: 192.168.1.250
[user@ofbiz-db ~]$ 
Name:    ofbiz-web.onpremsim.env
Address: 10.0.1.25

```

user@10.0.1.25's

```

PS C:\Users\Administrator> nslookup ofbiz-db.onpremsim.env
Last login: Thu Aug  1 09:02:24 2024 from 192.168.0.12
Server: dns.onpremsim.env
Address: 192.168.1.250
HOST='hostname'
sudo touch /tmp/nsup
sudo chmod 666 /tmp/
echo "server dns.onp
PS C:\Users\Administrator> 
echo "update delete
echo "update add $HO
echo "update delete
echo "update add $HO
[user@ofbiz-web ~]$ 
echo "send" >> /tmp/
sudo nsupdate /tmp/n
[user@ofbiz-web ~]$ 
[user@ofbiz-web ~]$ 
[user@ofbiz-web ~]$ 
[user@ofbiz-web ~]$ 
[user@ofbiz-web ~]$ 
[user@ofbiz-web ~]$ 

```

user@wordpress-web:~

```

login as: user
user@10.0.1.61's password:
Access denied

```

24 from 192.168.0.12 on ssh:notty
st successful login.
.168.0.12

ate.txt
supdate.txt
emsim.env" > /tmp/nsupdate.txt
HOST A" >> /tmp/nsupdate.txt
T 86400 A \$ADDR" >> /tmp/nsupdate.t

HOST PTR" >> /tmp/nsupdate.txt
T 86400 PTR \$ADDR" >> /tmp/nsupdate

supdate.txt
update.txt

.168.0.12

te.txt
.txt
/nsupdate.txt
te.txt
mp/nsupdate.txt

te.txt
update.txt
msim.env" > /tmp/nsupdate.txt
HOST A" >> /tmp/nsupdate.txt
T 86400 A \$ADDR" >> /tmp/nsupdate.tx

HOST PTR" >> /tmp/nsupdate.txt
T 86400 PTR \$ADDR" >> /tmp/nsupdate.



Create and Tag Applications and

Waves

[Optional] Modify the EC2
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▼ Testing and Validation

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Finalize cutover and Archive
Servers

▼ AWS account access

Open AWS console
(us-west-2)

Get AWS CLI credentials

Get EC2 SSH key

▼ Content preferences

Language

English

Exit event

Event ends in 1 day 13 hours 34 minutes.



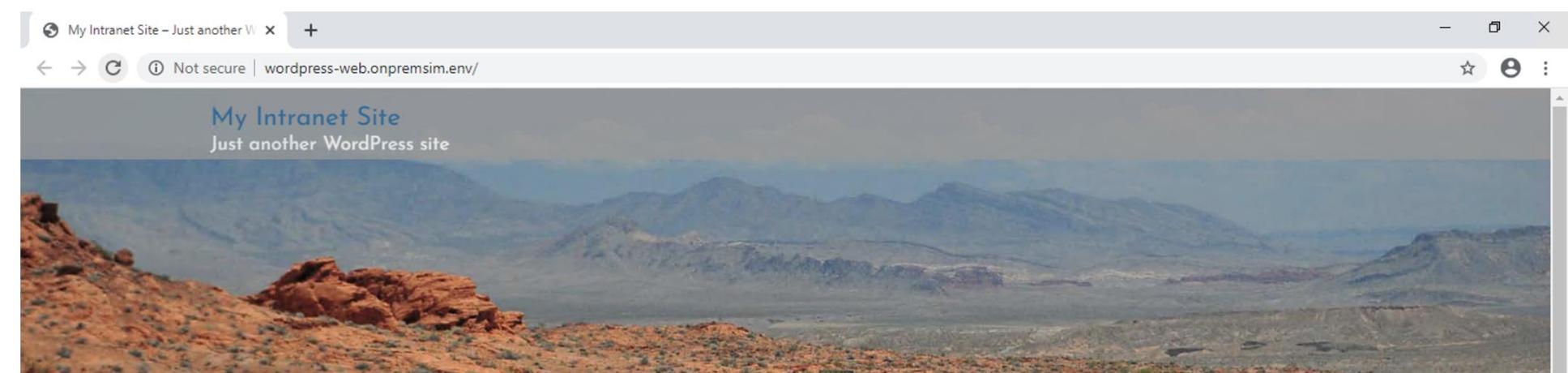
Application	URL
Wordpress	http://wordpress-web.onpremsim.env/
OFBiz ERP	https://ofbiz-web.onpremsim.env:8443/accounting

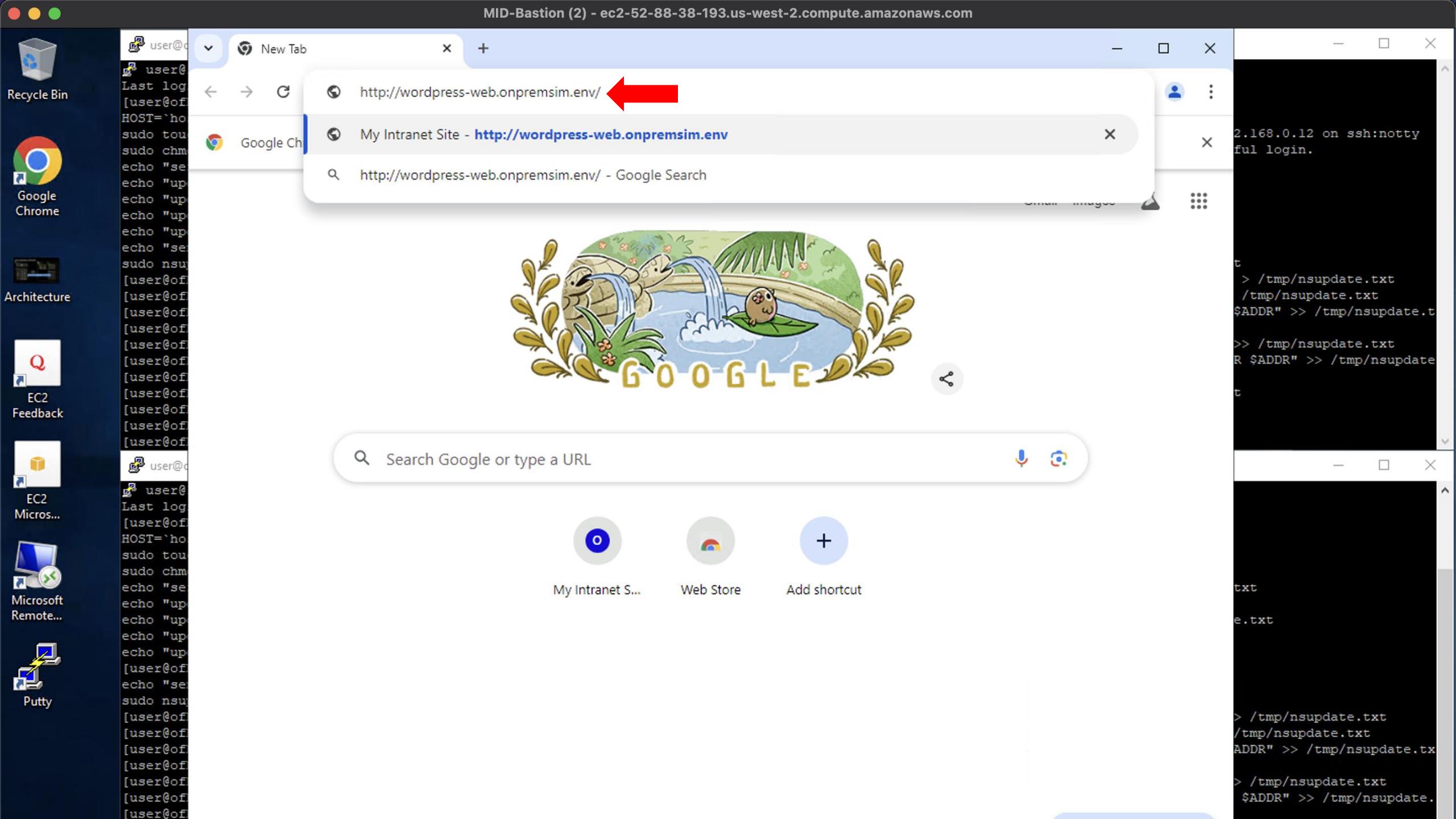
This is a simple test, just check if both application webpage shows up.

OFBiz application uses a self-signed certificate. It is required to add the exception on Chrome to be able to explore the application.

9. You should be able to visualize these 2 web applications:

Wordpress





The screenshot shows a Windows desktop environment with several open windows:

- Google Chrome:** A browser window titled "My Intranet Site" is open at `wordpress-web.onpremsim.env/`. The page content includes a header "My Intranet Site" with a background image of a winding road through a desert landscape, and a section titled "MIGRATION IMMERSION DAY" dated "01 AUG 2024". The message states: "We are migrating our internal servers to AWS!" Below the message is a "Leave a comment" button.
- Terminal:** A terminal window on the right side of the screen displays a series of commands being run, primarily involving file operations like redirection and concatenation of files named "nsupdate.txt".
- Pinned Icons:** On the left side, there is a vertical column of pinned icons with labels:
 - Recycle Bin
 - Google Chrome
 - Architecture
 - EC2 Feedback
 - EC2 Micros...
 - Microsoft Remote...
 - Putty



Create and Tag Applications and

Waves

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Language

English

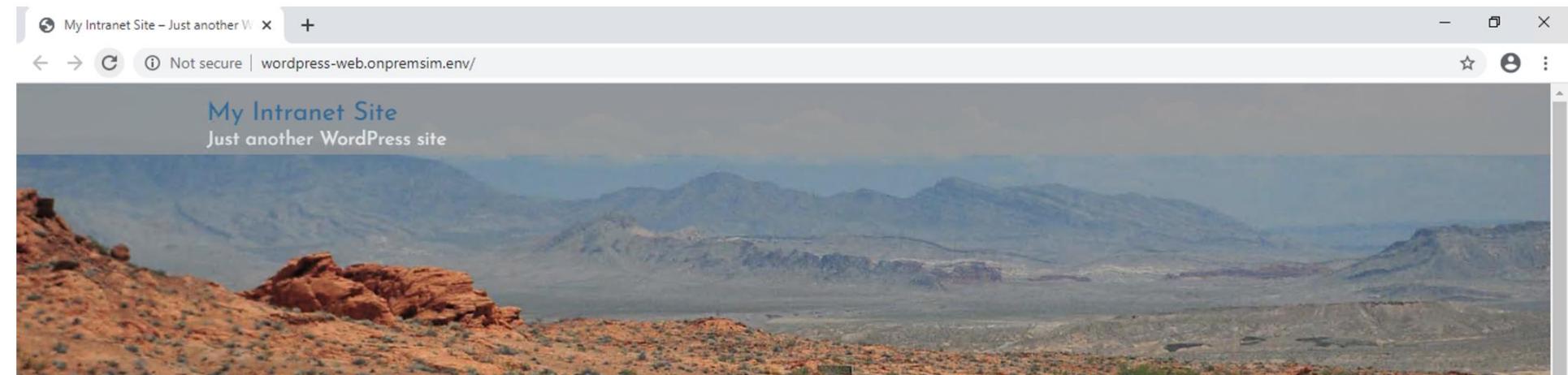
Exit event

Application	URL
Wordpress	http://wordpress-web.onpremsim.env/
OFBiz ERP	https://ofbiz-web.onpremsim.env:8443/accounting

This is a simple test, just check if both application webpage shows up.

OFBiz application uses a self-signed certificate. It is required to add the exception on Chrome to be able to explore the application.

9. You should be able to visualize these 2 web applications:

Wordpress

The screenshot shows a desktop interface with several windows open:

- Google Chrome:** A browser window titled "My Intranet Site" is open. The address bar shows "https://ofbiz-web.onpremsim.env:8443/accounting". A red arrow points to this address bar. Below the address bar, the URL "https://ofbiz-web.onpremsim.env:8443/accounting" is also visible in the search history. The page content includes a header "MIGRATION IMMERSION DAY" and a date "01 AUG 2024".
- Terminal:** A terminal window on the right side of the screen displays a session on port 2.168.0.12, showing a successful SSH login.
- File Explorer:** A sidebar on the left contains a file tree with various log files and configuration files, such as "user@ofbiz-web:~/.ssh/known_hosts" and "user@ofbiz-web:~/.ssh/config".
- Icons:** The desktop background features a scenic road through a desert landscape. The taskbar at the bottom includes icons for Microsoft Remote Desktop, Putty, EC2 Feedback, Architecture, Google Chrome, Recycle Bin, and others.

Privacy error

Not secure https://ofbiz-web.onpremsim.env:8443/accounting

Google Chrome isn't your default browser Set as default



Your connection is not private

Attackers might be trying to steal your information from **ofbiz-web.onpremsim.env** (for example, passwords, messages, or credit cards). [Learn more](#)

NET::ERR_CERT_AUTHORITY_INVALID

 Turn on enhanced protection to get Chrome's highest level of security

Advanced ← **Back to safety**

2.168.0.12 on ssh:notty
full login.
t
> /tmp/nsupdate.txt
/tmp/nsupdate.txt
\$ADDR" >> /tmp/nsupdate.t
>> /tmp/nsupdate.txt
R \$ADDR" >> /tmp/nsupdate.t
t
txt
e.txt
> /tmp/nsupdate.txt
/tmp/nsupdate.txt
ADDR" >> /tmp/nsupdate.tx
> /tmp/nsupdate.txt
\$ADDR" >> /tmp/nsupdate.

user@o... Privacy error

Not secure https://ofbiz-web.onpremsim.env:8443/accounting

Google Chrome isn't your default browser Set as default

Your connection is not private

Attackers might be trying to steal your information from **ofbiz-web.onpremsim.env** (for example, passwords, messages, or credit cards). [Learn more](#)

NET::ERR_CERT_AUTHORITY_INVALID

Turn on enhanced protection to get Chrome's highest level of security

Hide advanced Back to safety

This server could not prove that it is **ofbiz-web.onpremsim.env**; its security certificate is not trusted by your computer's operating system. This may be caused by a misconfiguration or an attacker intercepting your connection.

[Proceed to ofbiz-web.onpremsim.env \(unsafe\)](#)

2.168.0.12 on ssh:natty
ful login.

t
> /tmp/nsupdate.txt
/tmp/nsupdate.txt
\$ADDR" >> /tmp/nsupdate.t
>> /tmp/nsupdate.txt
R \$ADDR" >> /tmp/nsupdate.t
t

txt
e.txt

> /tmp/nsupdate.txt
/tmp/nsupdate.txt
ADDR" >> /tmp/nsupdate.tx
> /tmp/nsupdate.txt
\$ADDR" >> /tmp/nsupdate.

The screenshot shows a desktop interface with several windows open:

- File Manager:** On the left, showing a tree view of a directory structure with many entries starting with "user@of".
- Browser:** A window titled "OFBiz: Accounting Manager: Lo" with the URL <https://ofbiz-web.onpremsim.env:8443/accounting/control/main>. The page displays a "Login" form with fields for "User Name" and "Password", and a "Login" button.
- Terminal:** A window titled "user@ec2-52-88-38-193" showing an SSH session. The session output includes:

```
2.168.0.12 on ssh:notty
ful login.

t
> /tmp/nsupdate.txt
/tmp/nsupdate.txt
$ADDR" >> /tmp/nsupdate.t
>> /tmp/nsupdate.txt
R $ADDR" >> /tmp/nsupdate.t
t

txt
e.txt

> /tmp/nsupdate.txt
/tmp/nsupdate.txt
ADDR" >> /tmp/nsupdate.tx
> /tmp/nsupdate.txt
$ADDR" >> /tmp/nsupdate.
```
- Other Icons:** In the dock at the bottom, there are icons for "Recycle Bin", "Google Chrome", "Architecture", "EC2 Feedback", "EC2 Micros...", "Microsoft Remote...", and "Putty".

MGN Lab Steps

- Configure AWS MGN Service
- Configure Default Target Templates
- Create AWS Replication Agent IAM User
- Install the AWS Replication Agent
- AWS MGN Migration Life Cycle
- Create and Tag Applications and Waves
- Launch Test Instance
- Validate Test Instances
- Shutdown Source Environment
- Launch Cutover Instance
- Update DNS and Validate the applications
- Finalize cutover and Archive Servers



MGN-Dryrun-20240731 Instances | EC2 | us-west-2 Instances | EC2 | us-west-2 catalog.us-east-1.prod.workshops.aws/event/dashboard/en-US/workshop/5-finalize-and-cleanup/10-archive-servers New Chrome available

aws workshop studio

Create and Tag Applications and Waves [Optional] Modify the EC2 Launch Template Testing and Validation Launch Test Instance Validate Test Instances Cutover Shutdown Source Environment Launch Cutover Instance Update DNS and Validate the applications Finalize Migration and Cleanup Finalize cutover and Archive Servers AWS account access Open AWS console (us-west-2) Get AWS CLI credentials Get EC2 SSH key Content preferences Language English

Event dashboard > Finalize Migration and Cleanup > Finalize cutover and Archive Servers

Finalize cutover and Archive Servers

Finalize the cutover

When the cutover process is completed and you no longer need the replicated data in the **Staging area**, you can finalize the cutover. This will remove all the resources created during the migration and clean up the **Staging area**.

1. To finalize cutover, choose **Source servers** on the left menu, select all 4 servers, choose **Test and cutover** menu, and under **Cutover** sub-section choose **Finalize cutover**.

Application Migration Service > Active source servers

Source servers (4)

Migration Metrics

Active source servers Filter source servers by property or value

Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot
ofbiz-db.onpremsim.env	Stalled	Cutover in progress	Stalled	39 minutes ago
ofbiz-web.onpremsim.env	Stalled	Cutover in progress	Stalled	39 minutes ago
ofbiz-vm1.onpremsim.env	Stalled	Cutover in progress	Stalled	39 minutes ago

Actions Replication Test and cutover Add server

Testing

- Launch test instances
- Mark as "Ready for cutover"
- Revert to "Ready for testing"

Cutover

- Launch cutover instances
- Finalize cutover
- Revert to "Ready for cutover"

Other

- Edit Launch Settings

1 2 3

MGN-Dryrun-20240731

Active source servers | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

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AWS Services Search [Option+S]

Oregon WSParticipantRole/Participant @ 2140-4335-9993

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Application Migration Service > Active source servers

Show 'How it works' Show 'Migration metrics'

Source servers (4)

Actions ▾ Replication ▾ Test and cutover ▾ Add server

Active source servers Filter source servers by property or value

	Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
<input type="checkbox"/>	ofbiz-db.onpremsim.env	 Stalled	Cutover in progress	Stalled	an hour ago	Resolve cause
<input type="checkbox"/>	ofbiz-web.onpremsim.env	 Stalled	Cutover in progress	Stalled	an hour ago	Resolve cause
<input type="checkbox"/>	wordpress-db.onpremsim.env	 Stalled	Cutover in progress	Stalled	an hour ago	Resolve cause
<input type="checkbox"/>	wordpress-web.onpremsim.env	 Stalled	Cutover in progress	Stalled	an hour ago	Resolve cause

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)

MGN-Dryrun-20240731

Active source servers | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

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Application Migration Service

Source servers (4)

Show 'How it works' Show 'Migration metrics'

Actions ▾ Replication ▾ Test and cutover ▾ Add server

Active source servers Filter source servers by property or value

Source server name Alerts Migration lifecycle Data replication status Last snapshot Next step

Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
ofbiz-db.onpremsim.env	Stalled	Cutover in progress	Stalled	an hour ago	Resolve cause
ofbiz-web.onpremsim.env	Stalled	Cutover in progress	Stalled	an hour ago	Resolve cause
wordpress-db.onpremsim.env	Stalled	Cutover in progress	Stalled	an hour ago	Resolve cause
wordpress-web.onpremsim.env	Stalled	Cutover in progress	Stalled	an hour ago	Resolve cause

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)

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A red arrow points to the checkbox column in the Source servers table header.

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Active source servers | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

New Chrome available

AWS Services Search [Option+S]

Oregon WSParticipantRole/Participant @ 2140-4335-9993

Application Migration Service

Source servers (4)

Active source servers Filter source servers by property or value

Source server name	Alerts	Migration lifecycle	Data replication state
ofbiz-db.onpremsim.env	Stalled	Cutover in progress	Stalled
ofbiz-web.onpremsim.env	Stalled	Cutover in progress	Stalled
wordpress-db.onpremsim.env	Stalled	Cutover in progress	Stalled
wordpress-web.onpremsim.env	Stalled	Cutover in progress	Stalled

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)

Actions ▾ Replication ▾ Test and cutover ▾ Add server

Testing

- Launch test instances
- Mark as "Ready for cutover"
- Revert to "Ready for testing"

Cutover

- Launch cutover instances
- Finalize cutover** (highlighted with red arrow)
- Revert to "Ready for cutover"

Other

- Edit Launch Settings
- Edit post-launch settings
- Terminate launched instances

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us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

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Search [Option+S]

[Option+S]

Actions ▾

Replication ▾

Test and cutover ▾

Add server

Show 'How it works'

Show 'Migration metrics'

Source servers (4)

Finalize cutover for 4 servers

You are about to finalize cutover for 4 servers.

This action cannot be reversed. This will cause all replicated data to be discarded, and all AWS resources used for data replication to be terminated. [Learn more](#)

The action will be applied to the following servers

- ofbiz-db.onpremsim.env
- ofbiz-web.onpremsim.env
- wordpress-db.onpremsim.env
- wordpress-web.onpremsim.env

Cancel Finalize

An orange arrow points to the "Finalize" button at the bottom right of the modal dialog.

MGN-Dryrun-20240731

Active source servers | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

New Chrome available

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Oregon WSParticipantRole/Participant @ 2140-4335-9993

Application Migration Service

Cutover finalized
Cutover finalized for 4 servers.

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Application Migration Service > Active source servers

Show 'How it works' Show 'Migration metrics'

Source servers (4)

Actions ▾ Replication ▾ Test and cutover ▾ Add server

Active source servers ▾ Filter source servers by property or value < 1 > ⚙

<input type="checkbox"/>	Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
<input type="checkbox"/>	ofbiz-db.onpremsim.env	Launched	Cutover complete	Disconnected	-	Mark as arc...
<input type="checkbox"/>	ofbiz-web.onpremsim.env	Launched	Cutover complete	Disconnected	-	Mark as arc...
<input type="checkbox"/>	wordpress-db.onpremsim.env	Launched	Cutover complete	Disconnected	-	Mark as arc...
<input type="checkbox"/>	wordpress-web.onpremsim.env	Launched	Cutover complete	Disconnected	-	Mark as arc...

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)

MGN-Dryrun-20240731

Active source servers | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

New Chrome available

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Application Migration Service

Cutover finalized
Cutover finalized for 4 servers.

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Application Migration Service > Active source servers

Show 'How it works' Show 'Migration metrics'

Source servers (4)

Actions ▾ Replication ▾ Test and cutover ▾ Add server

Active source servers ▾ Filter source servers by property or value

	Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
<input type="checkbox"/>	ofbiz-db.onpremsim.env	Launched	Cutover complete	Disconnected	-	Mark as arc
<input type="checkbox"/>	ofbiz-web.onpremsim.env	Launched	Cutover complete	Disconnected	-	Mark as arc
<input type="checkbox"/>	wordpress-db.onpremsim.env	Launched	Cutover complete	Disconnected	-	Mark as arc
<input type="checkbox"/>	wordpress-web.onpremsim.env	Launched	Cutover complete	Disconnected	-	Mark as arc

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)

A red arrow points to the "Cutover complete" status of the first row in the table.

MGN-Dryrun-20240731

Active source servers | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

New Chrome available

AWS Services Search [Option+S]

Oregon WSParticipantRole/Participant @ 2140-4335-9993

Application Migration Service

Cutover finalized
Cutover finalized for 4 servers.

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Application Migration Service > Active source servers

Show 'How it works' Show 'Migration metrics'

Source servers (4)

Actions Replication Test and cutover Add server

Active source servers Filter source servers by property or value

Source server name Alerts Migration lifecycle Data replication status Last snapshot Next step

Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
ofbiz-db.onpremsim.env	Launched	Cutover complete	Disconnected	-	Mark as arc
ofbiz-web.onpremsim.env	Launched	Cutover complete	Disconnected	-	Mark as arc
wordpress-db.onpremsim.env	Launched	Cutover complete	Disconnected	-	Mark as arc
wordpress-web.onpremsim.env	Launched	Cutover complete	Disconnected	-	Mark as arc

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)



MGN-Dryrun-20240731

Active source servers | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

New Chrome available

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Oregon WSParticipantRole/Participant @ 2140-4335-9993

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Cutover finalized for 4 servers.

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Application Migration Service > Active source servers

Show 'How it works' Show 'Migration metrics'

Source servers (4)

Active source servers Filter source servers by property

Actions ▲ Replication ▼ Test and cutover ▼ Add server

View server details

Add servers to application

Disconnect from service

Mark as archived

ofbiz-db.onpremsim.env Launched Cutover complete Disconnected - Mark as archive

ofbiz-web.onpremsim.env Launched Cutover complete Disconnected - Mark as archive

wordpress-db.onpremsim.env Launched Cutover complete Disconnected - Mark as archive

wordpress-web.onpremsim.env Launched Cutover complete Disconnected - Mark as archive

This account is currently replicating 4 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)

A red arrow points to the "Mark as archived" button in the Actions menu.

Source server name	Alerts	Migration status	Last snapshot	Next step
ofbiz-db.onpremsim.env	Launched	Cutover complete	Disconnected	-
ofbiz-web.onpremsim.env	Launched	Cutover complete	Disconnected	-
wordpress-db.onpremsim.env	Launched	Cutover complete	Disconnected	-
wordpress-web.onpremsim.env	Launched	Cutover complete	Disconnected	-

MGN-Dryrun-20240731

Active source servers | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

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aws Services Search [Option+S]

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Cutover finalized

Cutover finalized for 4 servers.

Show 'How it works'

Show 'Migration metrics'

Source servers

Active source servers

Test and cutover Add server

Archive 4 servers

You are about to archive 4 servers. [Learn more](#)

The action will be applied to the following servers

- ofbiz-db.onpremsim.env
- ofbiz-web.onpremsim.env
- wordpress-db.onpremsim.env
- wordpress-web.onpremsim.env

Cancel Archive

A red arrow points to the "Archive" button at the bottom right of the modal dialog.

MGN-Dryrun-20240731

Active source servers | AWS

Instances | EC2 | us-west-2

us-west-2.console.aws.amazon.com/mgn/home?region=us-west-2#/sourceServers

New Chrome available

AWS Services Search [Option+S]

Servers Application Migration Service

Servers archived 4 servers archived.

0 0 2 0 0 0

Servers Source servers Applications Waves Global view Launch history MGN connectors Import and Export Import Export Settings Replication template Launch template Post-launch template User preferences AWS Migration Hub Documentation Release Notes

Application Migration Service > Active source servers

Show 'How it works' Show 'Migration metrics'

Source servers

Active source servers Filter source servers by property or value

Source server name	Alerts	Migration lifecycle	Data replication status	Last snapshot	Next step
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No servers

Add your source servers to this console by installing the AWS Replication Agent. Alternatively, you can add source servers without installing an agent on each guest server by installing the AWS vCenter client on your vCenter.

Add server

This account is currently replicating 0 servers out of a quota of 150 concurrent replicating servers. [Learn more](#)



Thank you!

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