Amazon Web Services

AWS DataSync

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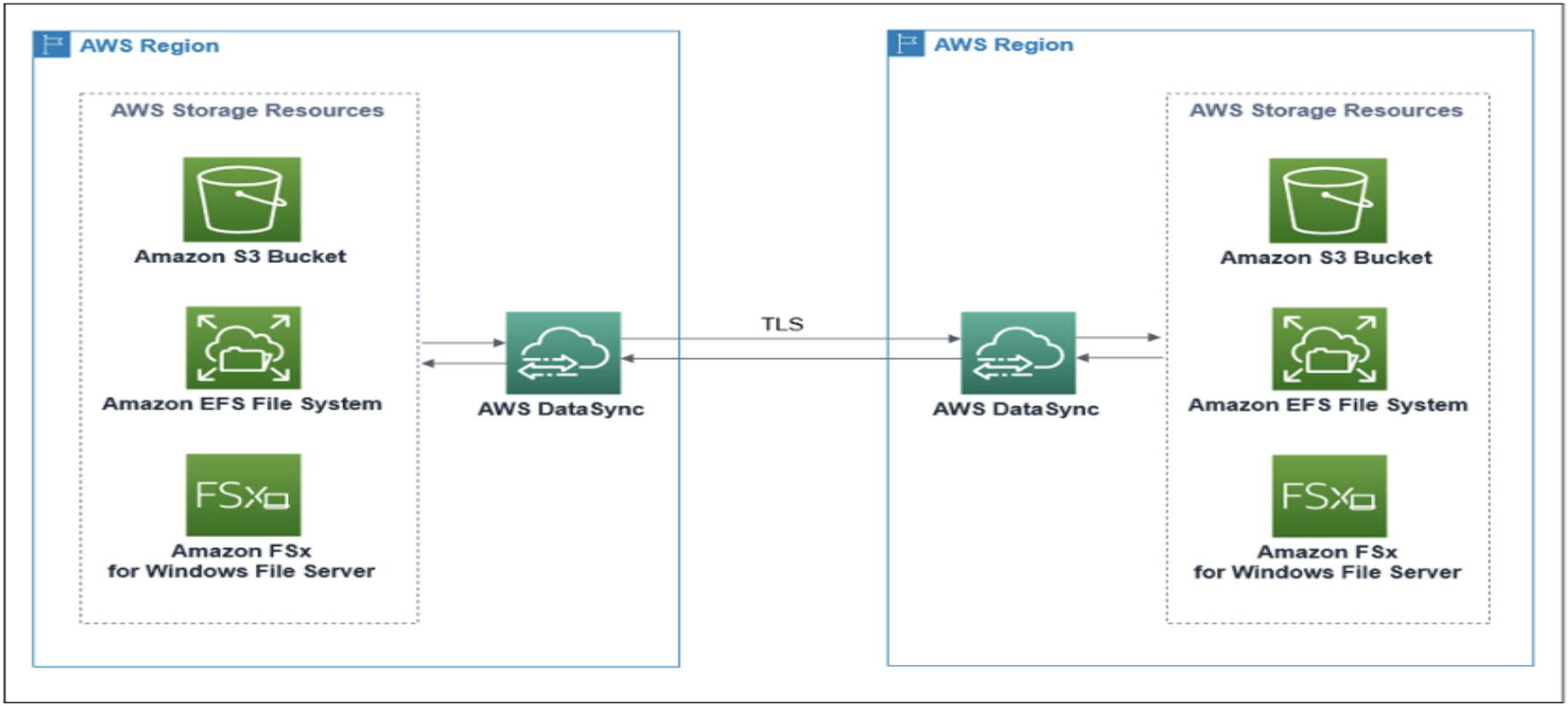
AWS DataSync

- AWS DataSync is an online data transfer service that simplifies, automates, and accelerates the process of copying large amounts of data to and from AWS storage services over the Internet or AWS Direct Connect. It is like Backup



AWS DataSync

- **Note: Network File System (NFS) is used by UNIX clients for file access. NFS uses port 2049.**
- DataSync in Same Region
- Create Security group with Port number 2049
- Go to Security groups
- Click on Create Security Group
- Enter the security group name & description

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- Click on Add rules for inbound rules
- Add Port range 2049 & Source as Anywhere IPV4
- Click on Create
- Create First EFS
- Go to EFS
- Click on Create file system

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- Enter the name
- Click on Customize (Because we need to attach the request group)
- Click on Next
- Remove the Default security group.
- Attach our security group
- Click on Next

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- Click on Create
- Create First EC2 Machine & Subnet as ap-south-1a
- Select Security group with port number 2049
- Select second security group with type HTTP & SSH
- Launch the Instance
- Connect the Instance using the putty

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- Switch user

sudo su -

- Install EFS Utils

sudo yum install -y amazon-efs-utils

- Create efs directory

mkdir efs

- Go to our Elastic File system
- Click on Attach
- Copy our NFS Client Command
- Paste in Putty

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- Switch to efs folder

cd efs

- Create files

touch file1 file2 file3

- Create Second EFS
- Click on Create file system
- Enter the name
- Click on customize

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- Click on Next
- Remove the Default security group.
- Select the security group with port number 2049
- Click on Next
- Click on Create
- Create Second EC2 Machine & Subnet as ap-south-1b
- Select security groups (2049 Port number, SSH & HTTP)
- Launch the Instance

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- Connect the EC2 Machine using Putty

- Switch user

sudo su -

- Install EFS Utils

sudo yum install -y amazon-efs-utils

- Create efs directory

mkdir efs

- Go to Second EFS

- Click on Attach

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- Copy the NFS Client & paste in putty

- Switch to efs folder

cd efs

- Create files

touch file4 file5

- Check the Files

- Our Setups are ready now we can take a backup of the first EFS into Second EFS

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- Go to Datasync
- Select between AWS storage services
- Click on Get Started
- Select create a new location
- Select location type as Amazon EFS File System
- Select the region (Mumbai)
- Select First EFS File System
- Select subnet in which we have created the instance

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- Select the security group of our instance
- Click on Next
- Select destination location
- Select location type as Amazon EFS File System
- Select the region (Mumbai)
- Select Second EFS File System
- Select subnet in which we have created the instance

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- Select the security group of our instance
- Click on Next
- Enter the task Name
- Select Verify Data as Verify all data in the destination
- Select transfer mode as Transfer all data
- Select schedule
- Frequency as Hourly

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- Select At minute as One
- Log Level as Don’t Send logs to Cloud Watch
- Click on next
- Click on Create Task
- System will start the task after one minute or we can start manually also

Start  Start With Default

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- Go to History
- After Few Minutes
- Now check the EC2 Machines
- **Task: DataSync in Cross Region**

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