**How to Create an SFTP server in AWS Transfer Family with username and password authentication**

* Create a bucket (sftp-bucket-nteju)
* CloudFormation
* Secret Manager
* Role creation
* createPolicy()
* Choose Role (Transfer Family included)

Download the CloudFormation template from this link <https://aws.amazon.com/blogs/storage/enable-password-authentication-for-aws-transfer-for-sftp-using-aws-secrets-manager/>



**CloudFormation:**

1. Create a stack with template is ready and upload a template file which we downloaded.
2. Stack name as SFTP-stack and create server as true.

While stack creation is in progress, **we’ll create an S3 bucket (sftp-bucket-nteju).**

**Let’s navigate to IAM roles, Create Role**

* AWS service
* Select Transfer
* Permissions -> Create policy ([SFTP-Demo](https://us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/policies/arn%3Aaws%3Aiam%3A%3A323323031394%3Apolicy%2FSFTP-Demo))

{

"Version": "2012-10-17",

"Statement": [

{

"Sid": "VisualEditor0",

"Effect": "Allow",

"Action": [

"s3:ListBucket",

"s3:GetBucketLocation"

],

"Resource": "arn:aws:s3:::sftp-bucket-nteju"

},

{

"Sid": "VisualEditor1",

"Effect": "Allow",

"Action": [

"s3:PutObject",

"s3:GetObjectAcl",

"s3:GetObject",

"s3:DeleteObjectVersion",

"s3:DeleteObject",

"s3:PutObjectAcl",

"s3:GetObjectVersion"

],

"Resource": "arn:aws:s3:::sftp-bucket-nteju/\*"

}

]

}

* Once the policy is created, add that policy to the role and review the role as SFTP-Demo-role

**Secrets Manager:**

* Other type of secrets
* Key/value pairs -> Plain text -> Json

{

"Password": "testyt",

"Role": "arn:aws:iam::323323031394:role/SFTP-Demo-role",

"HomeDirectory": "/Inbound"

}

Secret name: SFTP/metlife

**AWS Transfer Family:**

* Copy the Endpoint Url which is the server.
* url: s-80c3ed7faadf4ca19.server.transfer.us-east-1.amazonaws.com

**FileZilla:**

-> Server: s-80c3ed7faadf4ca19.server.transfer.us-east-1.amazonaws.com

-> Username: metlife

-> Password: testyt

-> Port: 22

Connecting to the server -> Upload any file, it will be shown in your S3 bucket.