\*\*Method of Procedure (MoP) for Provisioning EC2 Instance on AWS\*\*

\*\*PURPOSE\*\*

The purpose of this document is to outline a standardized approach to deploy EC2 instances in Amazon Web Services (AWS).

\*\*SCOPE\*\*

The MOP covers the steps to be followed for provisioning EC2 instances on AWS. It will be performed by qualified cloud engineers.

\*\*ROLES AND RESPONSIBILITIES\*\*

Cloud Engineers: To follow the steps documented in this MOP and report any issues encountered during the process.

\*\*PROCEDURE STEPS\*\*

1. \*\*Log in to AWS Management Console\*\*

Use your AWS account to log in.

2. \*\*Launch EC2 Instance\*\*

Navigate to 'Services' from the top menu. Under the 'Compute' category, click on 'EC2'.

3. \*\*Select AMI\*\*

Click on 'Launch instance' then select an Amazon Machine Image (AMI).

4. \*\*Choose Instance Type\*\*

Select your desired instance type that matches your requirements and click 'Next'.

5. \*\*Configure Instance Details\*\*

Specify the number of instances, purchasing options, and network configuration, among other details.

6. \*\*Add Storage\*\*

Add a new volume or modify the existing one as per requirement.

7. \*\*Add Tags\*\*

Create a new tag (optional) to identify your instance.

8. \*\*Configure Security Group\*\*

Set up a new security group or select from existing ones. Define the rules for inbound and outbound traffic.

9. \*\*Review\*\*

Review your instance configurations before launching.

10. \*\*Launch Instance\*\*

Create a new key pair or select an existing one. Download it and store it securely, and use it to login.

\*\*POST-PROCEDURE STEPS\*\*

Verify that the instance(s) are running properly. Connect to your instance and perform any software installation or configuration needed.

\*\*PRECAUTIONS\*\*

Always secure your key pair as it cannot be downloaded again. For security purposes, ensure your instance is in a private subnet if it does not need to be reached from the internet.

\*\*ROLLBACK PLAN\*\*

If instances are not running as expected, troubleshoot the issue. If needed, terminate the instance and follow the MOP to redeploy the instance.

\*\*DOCUMENTATION AND REFERENCES\*\*

Amazon EC2 User Guide: https://docs.aws.amazon.com/AWSEC2/latest/UserGuide/concepts.html

\*\*REVISION HISTORY\*\*

|Date|Version|Description|Author|

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|Initial release|1.0|Initial release|-|