AMS Environment Setup

Pre-Requites:

- Aws CLI
- npm
- Git
- AMS Access
- Microsoft Authenticator Setup

AWS login URL: https://myapplications.microsoft.com/

- Once login to the AMS, Click on "AWS Africa Account" (Ref: ScreenShot1)
- You can select appropriate role and click on "Sign in" (Ref: ScreenShot2)

ScreenShot1:
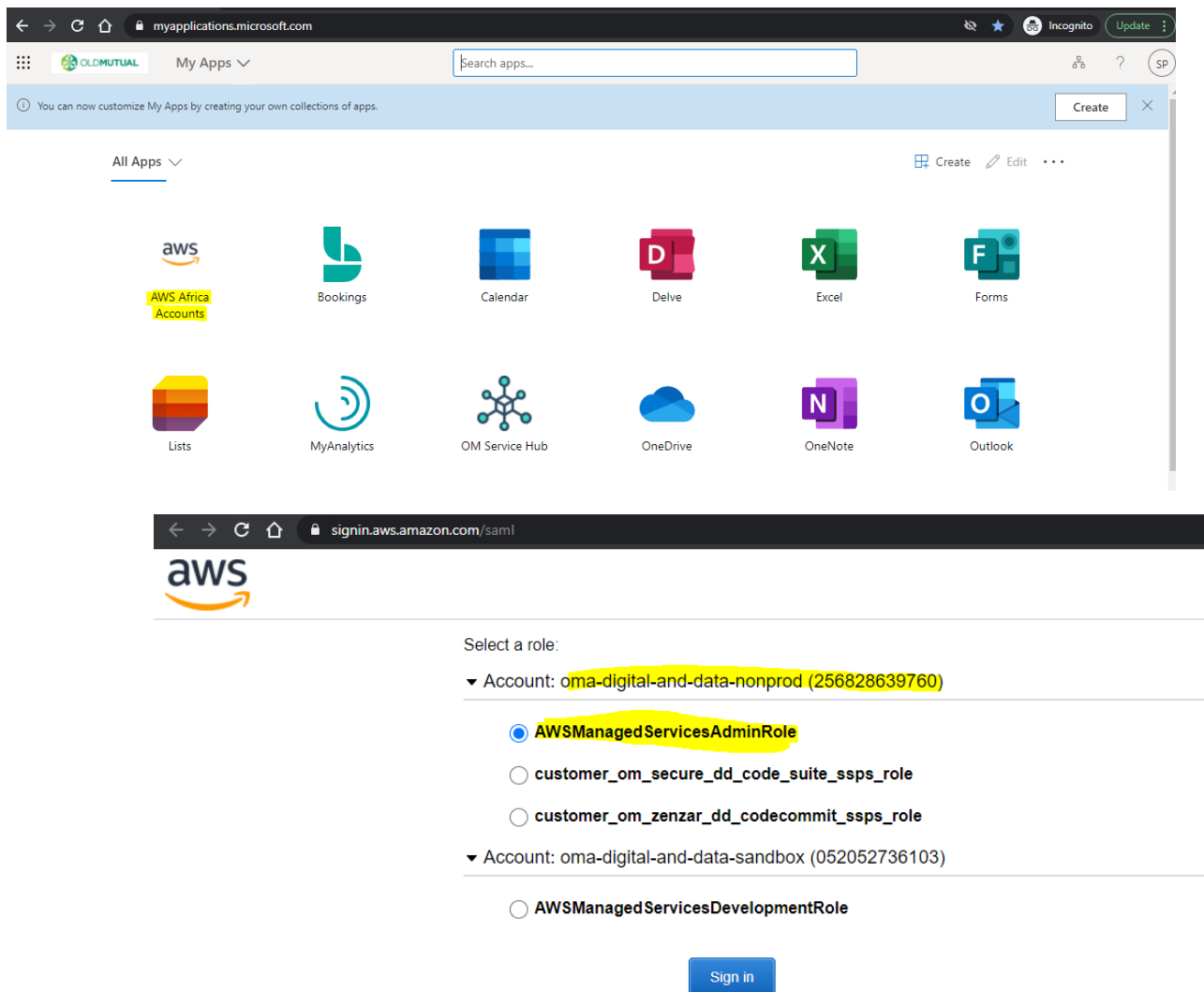
ScreenShot2:

Configure it on AWS CLI or Powershell:

Install "aws-azure-login" using npm

```
>> npm install -g aws-azure-login
```

OP:

```
+ aws-azure-login@3.3.0
```

added 11 packages from 5 contributors, removed 20 packages, updated 53 packages and moved 1 package in 213.543s

```
>> aws-azure-login --configure --profile ams
```

OP:
Configuring profile 'ams'
 Azure Tenant ID: 00691924-e082-4301-a3dc-1732afd14289
 Azure App ID URI: 70aaecf0-9c47-4759-bb0c-cc70d9be1b15
 Default Username: userID@oldmutual.com
 Stay logged in: skip authentication while refreshing aws credentials (true|false): fasle
 Default Role ARN (if multiple): oma-digital-and-data-nonprod
 Default Session Duration Hours (up to 12): 1

Profile saved.

After adding Required variable:

You could see below content in ~/.aws/config file

[profile ams]

azure_tenant_id=00691924-e082-4301-a3dc-1732afd14289

azure_app_id_uri=70aaecf0-9c47-4759-bb0c-cc70d9be1b15

azure_default_username=userID@oldmutual.com

azure_default_role_arn=oma-digital-and-data-nonprod

azure_default_remember_me=false
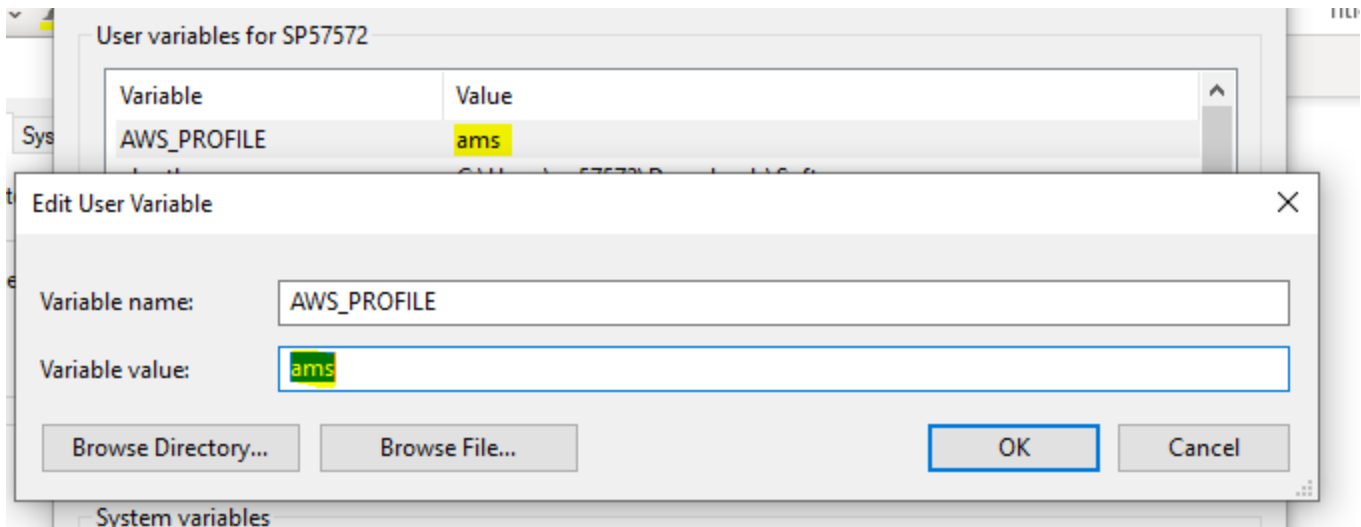
Note:

- < **userID@oldmutual.com** >you can provide your AMS email ID
- Here < ams > can be any name to recognize AWS configuration. you can change it to based on your needs and must use same name all over below configurations.

Environment Variable settings:

- ADD New Environment Variables
  Variable   :   AWS_PROFILE
  Value   :   <ams>

Screen shot for reference:

Log In to AMS through CLI:

```
>> aws-azure-login --profile ams
```

Using AWS SAML endpoint https://signin.aws.amazon.com/saml

? Username: sprasadreddy@oldmutual.com

? Password: [hidden]

Open your Microsoft Authenticator app and approve the request to sign in.

? Role: arn:aws:iam::256828639760:role/AWSManagedServicesAdminRole

? Session Duration Hours (up to 12): 1

Assuming role arn:aws:iam::256828639760:role/AWSManagedServicesAdminRole

Verify AWS Connection:

Note: There is a Login timeout every 1hr to 12hr in AMS Environment. If it's logout then run above command to re-authenticate.

Once above setup completes, you can run this command to verify AWS authentication is success or not

```
>> aws s3 ls --profile ams
2020-09-04 20:57:02 ams-a256828639760-log-management-eu-west-1
2020-09-04 20:56:37 ams-a256828639760-log-management-eu-west-1-audit
2021-01-12 13:16:35 ams-a256828639760-patch-data-customer-reports-eu-west-1
2021-01-12 13:18:39 ams-a256828639760-patch-data-raw-eu-west-1
```

GIT Configuration:

Have to setup AWS profile in git configuration by executing below commands

```
>> git config --global credential.helper '!aws --profile ams codecommit credential-helper $@'
```

```
>> git config --global credential.UseHttpPath true
```
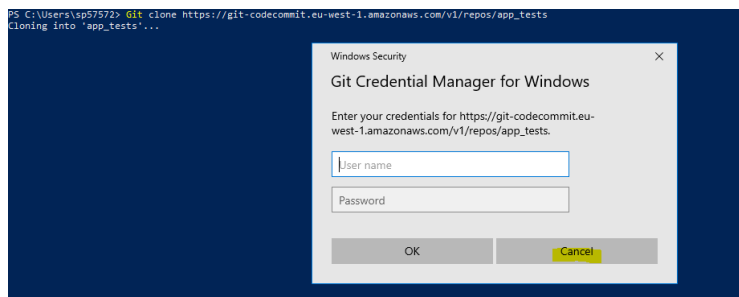
You could see below content in **~/.gitconfig** file

```
[credential "https://git-codecommit.eu-west-1.amazonaws.com"]
    helper = !aws --profile ams codecommit credential-helper $@
    UseHttpPath = true
```

Clone Code Commit Repo into Local:

```
>> Git clone https://git-codecommit.eu-west-1.amazonaws.com/v1/repos/app_tests
```

While cloning repo it will pop-up credential window (like below), you should **Cancel** the pop-up.

Usefully Links:

AWS Authentication: https://github.com/sportradar/aws-azure-login

Git Credentials Helper: https://docs.aws.amazon.com/codecommit/latest/userguide/setting-up-https-unixes.html

Git Commands: https://git-scm.com/docs/gittutorial

If you have any issues/questions reach out to me on slack or mail

Email: Sprasadreddy@oldmutual.com or sivaprasad.p@zensar.com

Slack chanel: https://join.slack.com/t/oldmutual-roa/shared_invite/zt-q80a3bck-Qsg_Rnc1KrzHznfiuvYGGw

Slack DM: @Siva Prasad Reddy P