

Cloud Management Unit

WIPO AWS Cloud Offshore users authentication

Playbook

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Version: 1.0

1. Document Maintenance

1.1. Introduction

This document describes the configuration that should be followed by the offshore users to authenticate to WIPO AWS cloud.

1.2. Purpose of document

This document summarizes, on the understanding of the existing solution, the required steps to setup a new configured offshore user in the WIPO Cloud solution.

1.3. Document location

This document is valid from the day of its official publication (marked in the revision history table below) and until a new version of the document is made available.

1.4. Revision History

Revision date	Version	Summary of Changes	Author
March 06, 2020	1.0	First Draft	Fayçal RABAHI
Approval Date	Status		Approver
			William Meridith

1.5. Associated documentation

- WIPO AWS Cloud IAM Strategy
- WIPO AWS Cloud Tagging and Naming convention Standard

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2. IMPORTANT:

For offshore users:

- In no case S3 Public access should be created
- In no case, 0.0.0.0/0 permission should be created in the security groups.
- For VPC creation, CIDR should be requested from your business owner.
- Respect the naming convention
- Please keep the dev and sandbox environment as clean as possible.
- Tag all your resources with the service you are affiliated to (TAG → service : service name) (ask your business owner)
- In all your resources with company name (TAG → company: company name)
- Check the billing each day.
- Report any incident or issue to your business owner and cloud-support@wipo.int
- Use cloudformation as automation tool as match as you can.

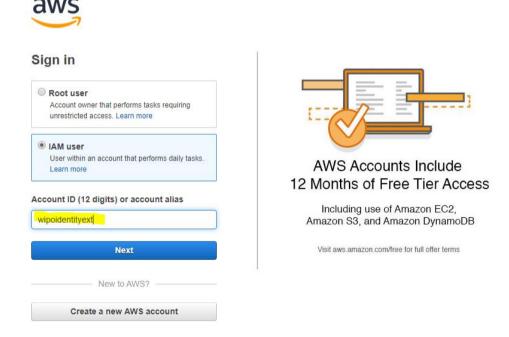
This guide will help you setup your Multi Factor Authentication (MFA) device that will be used to manage your AWS credentials and as well as programmatically access your AWS environment (CLI/SDK/...).

All access to WIPO AWS accounts requires multifactor authentication, you will need to ensure completing all steps in a timely manner without mistake in order to avoid partially assigning MFA. In case the MFA device setup was not properly completed, you prohibited from further steps. Contact WIPO AWS Administrator or Cloud Support

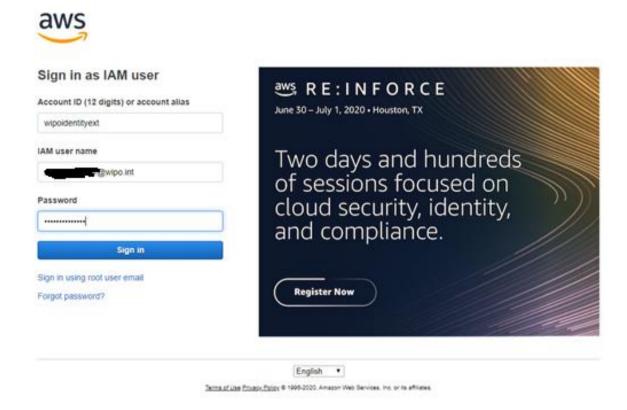
3. Login to AWS

- Connect to aws.amazon.com
- Select IAM user
- enter: wipoidentityext

Or sign in https://wipoidentityext.signin.aws.amazon.com/console/



In the next page, enter the username and the password you received from wipo administrator

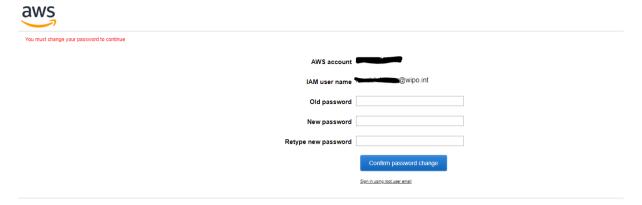


4. Change your password:

You will be prompted to change your password, please change it respecting the requirement below:

- Minimum password length is 14 characters
- Require at least one uppercase letter from Latin alphabet (A-Z)
- Require at least one lowercase letter from Latin alphabet (a-Z)
- Require at least one number
- Require at least one non-alphanumeric character (!@#\$%^&*()_+-=[]{}|')
- Password expiration requires administrator reset
- Allow users to change their own password
- Remember last 24 password(s) and prevent reuse
- Password expiration requires administrator reset

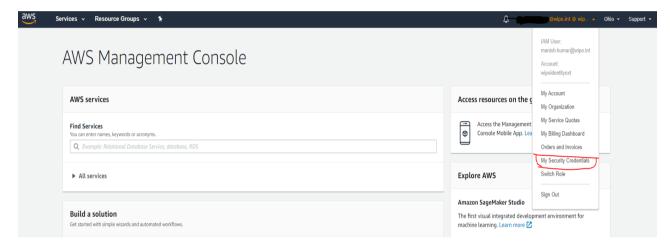
Password expiration requires administrator reset: For information the password expiration is set 180 days (6 months) after this period please ask you project Business Owner for a renewal.



5. Create you access key:

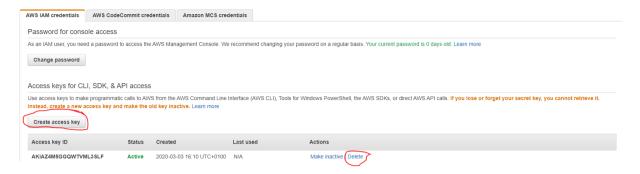
Once you changed your password, in the top right of the page:

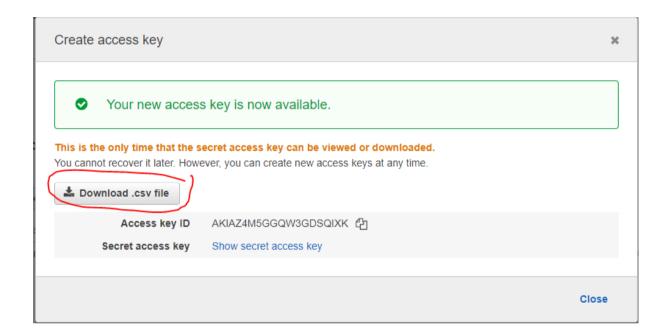
- click on your email
- Select My Security Credentials



- In the Access keys for CLI, SDK, &API access delete the access key created by default.
- Click create access key
- Download the CSV file which contain you credentials.

This key is strictly personal and nominative; it should never be shared or integrated to any code.

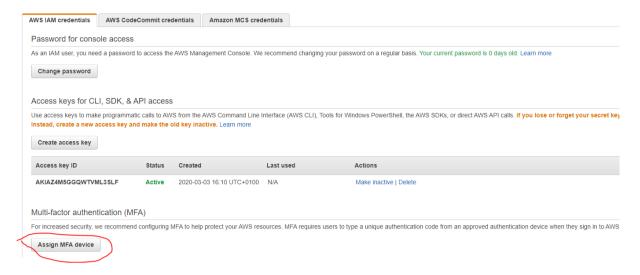




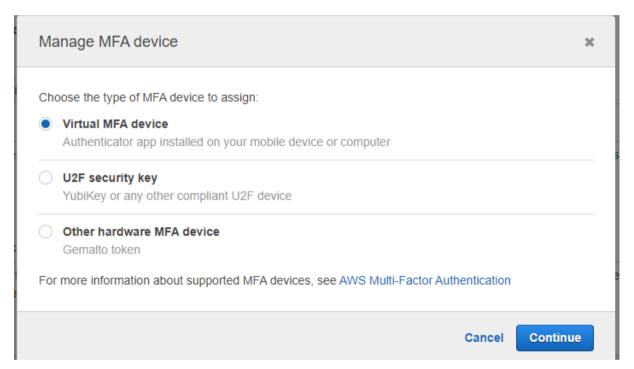
6. Assign an MFA

MFA is a requirement to access to WIPO AWS accounts. Before going further download an MFA app to your mobile (Ex: google authenticator).

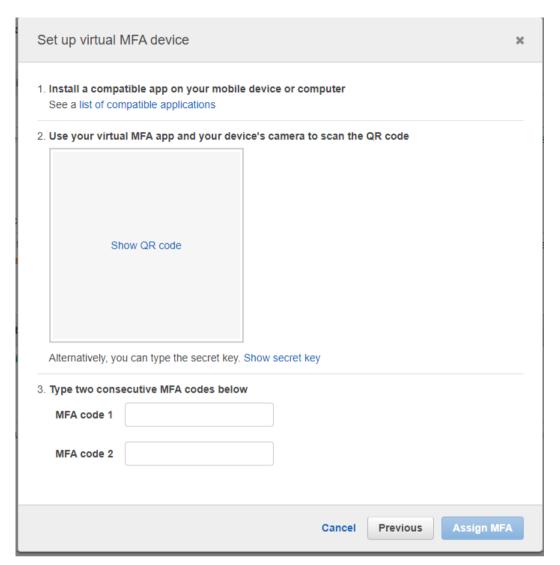
- In my security credentials page, click assign MFA



It displays the page below:



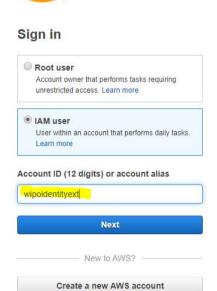
- Click continue
- Scan the QR code with your mobile app
- Enter the first MFA code and the second MFA code.
- Click assign MFA



- Go to the top right of the page.
- Click on your email and sign out. (this step is mandatory as you have to sign in with your MFA you just set)

7. Login To WIPO account

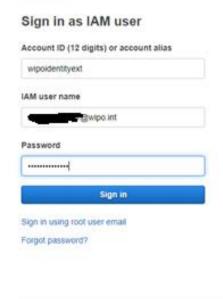
- sign in https://wipoidentityext.signin.aws.amazon.com/console/





Enter you username and Password



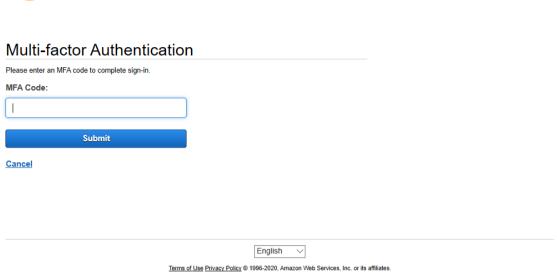




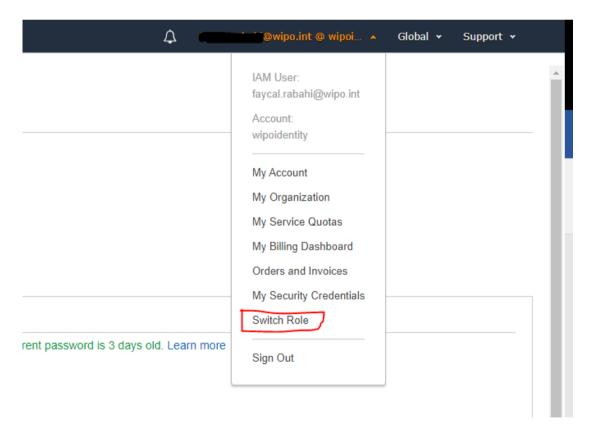
English
Terms of Use Privacy Policy © 1000-2000. Ameson Web Services, Inc. or its affiliates.

- Enter your MFA





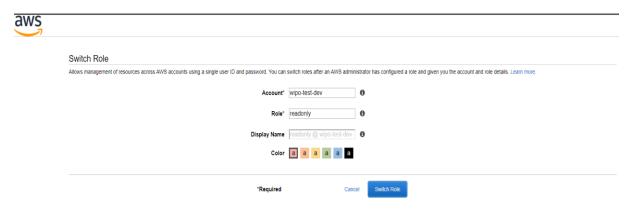
From the wipoidentityext account, in the top right of the page click on your email, and then switch role



In the displayed page:

- the account given to you by the Business owner or WIPO Administrators

- the role given to you by Business owner or WIPO Administrators



You should now be connected to the WIPO account.

8. Setup AWS CLI access

- a. Download and install AWS Client https://aws.amazon.com/cli/
- b. Configure AWS CLI profile
 - i. Add credentials to be used by AWS CLI Open command prompt and type
 - aws configure --profile with-mfa
 - enter AWS Access Key ID
 - enter AWS Secret Access Key

without "--profile" to setup default profile
"--profile <u>credentials_profile_name</u>" to name profile to your convenience

- ii. Add profile to AWS CLI configuration
 - Edit the AWS Config file and add access profile for incumbent AWS account ID and role

Only values in orange need to be edited.

```
[profile configuration_profile_name]
role_arn = arn:aws:iam::AWS Account ID:role/role
mfa_serial = MFA device ARN
source_profile = with-mfa
region = eu-central-1
```

- The AWS Account ID and role are provided to you with the account availability notification
- The mfa_serial ARN can be found from the AWS Console under your security credentials
- The source_profile corresponds to value set for *credentials_profile_name*
- iii. Test access

Open command prompt and type						