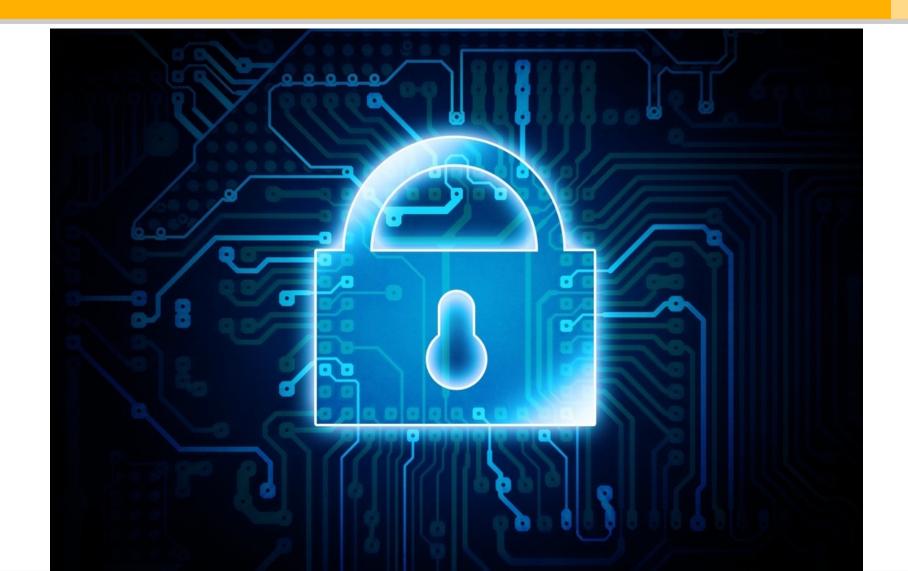


Multi - Factor Authentication (MFA)

MFA





What is MFA?



- AWS Multi-Factor Authentication (MFA) is the practice or requiring two or more forms of authentication to protect AWS resources.
- It is an added security feature available through Amazon Identity and Access Management (IAM) that strengthens username and password credentials.
- **Prerequisites**: Google Authenticator installed on smart phone

Create IAM User

Account settings

Credential report

Encryption keys





- Provide UserName
- **Enable AWS Console access**
- **©** select console password
- Next: Permissions

Add user











Set user details

You can add multiple users at once with the same access type and permissions. Learn more

User name* Add another user

Select AWS access type

Select how these users will access AWS. Access keys and autogenerated passwords are provided in the last step. Learn more

Access type*		Programmatic access Enables an access key ID and secret access key for the AWS API, CLI, SDK, and other development tools.
	✓	AWS Management Console access Enables a password that allows users to sign-in to the AWS Management Console.
Console password*		Autogenerated password Custom password
Require password reset		User must create a new password at next sign-in Users automatically get the IAMUserChangePassword policy to allow them to change their own password.

* Required **Next: Permissions** Cancel

Select Attach **Existing Policies** Select any policy name you required Next: Tags











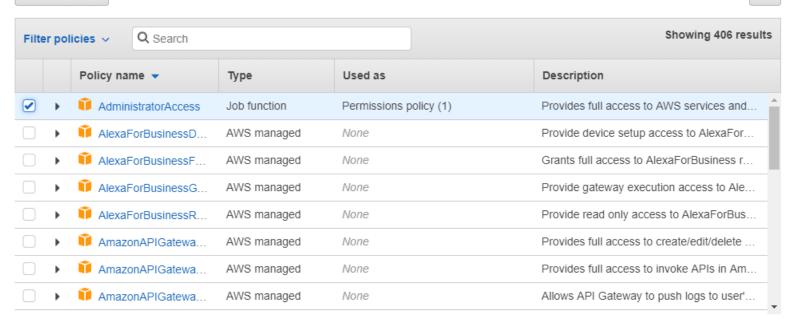


C





Create policy



Set permissions boundary

Add user

- (1) (2) (3) (4) (5)





C

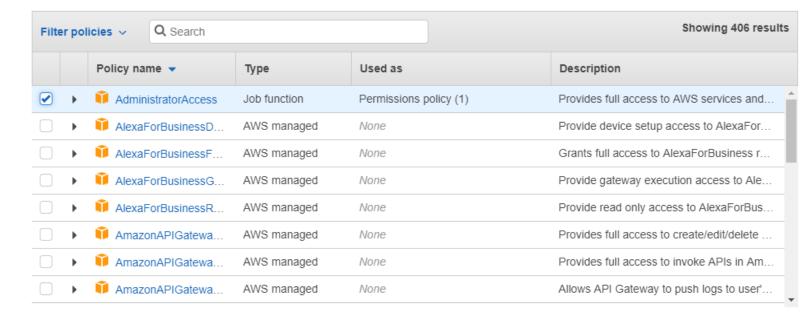
Select Attach **Existing Policies**

Select any policy name you required **Next: Tags © Name &** Dev





Create policy



Set permissions boundary

Review

Create User

Add user

1



3



Review

Review your choices. After you create the user, you can view and download the autogenerated password and access key.

User details

User name RNS

AWS access type AWS Management Console access - with a password

Console password type Autogenerated

Require password reset No

Permissions boundary Permissions boundary is not set

Permissions summary

The following policies will be attached to the user shown above.

Туре	Name
Managed policy	AdministratorAccess

Tags

The new user will receive the following tag

Key	Value
Name	Dev



You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.

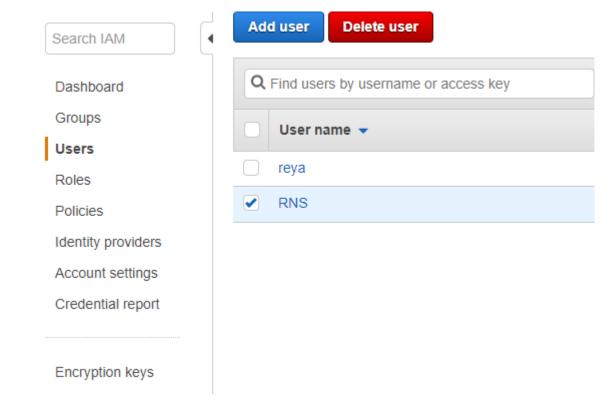
Users with AWS Management Console access can sign-in at: https://



User Password **Email login instructions** ****** Show Send email <a>C RNS

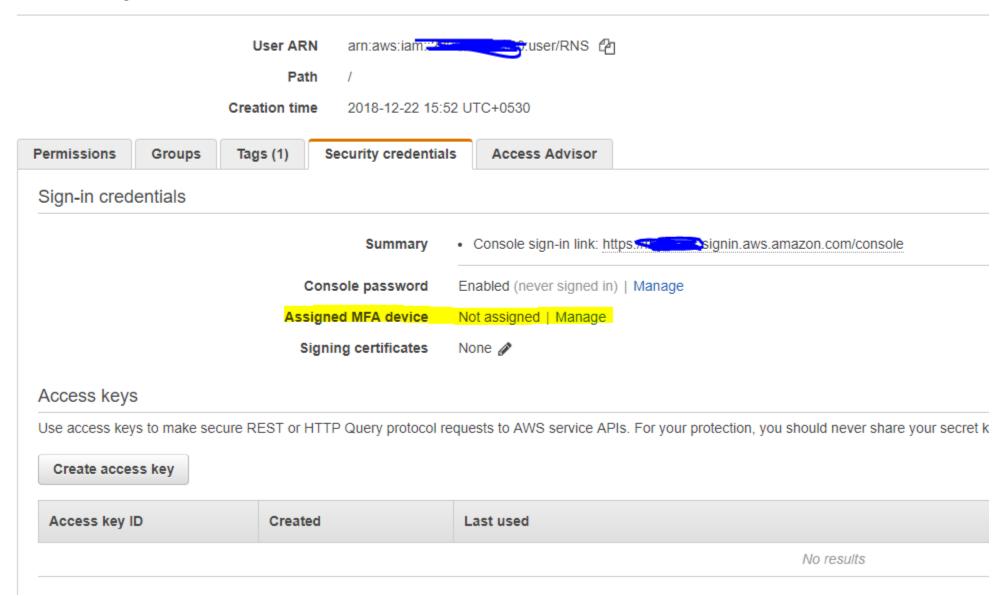
- Created user RNS
- Attached policy AdministratorAccess to user RNS
- Created login profile for user RNS

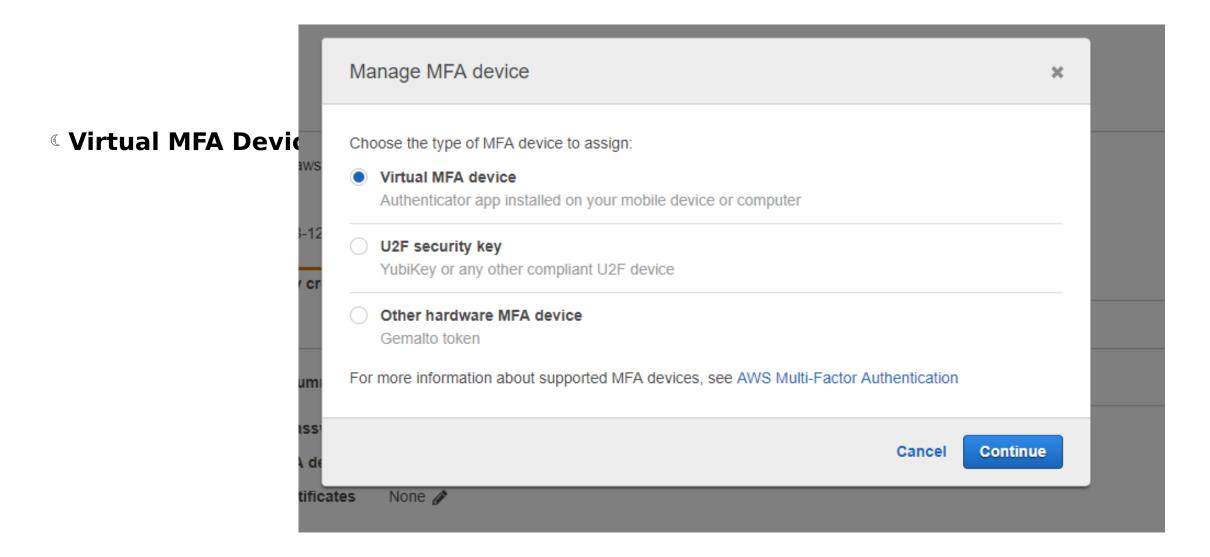
Select the created User and click on it



Assigned MFADeviceClick Manage

Summary

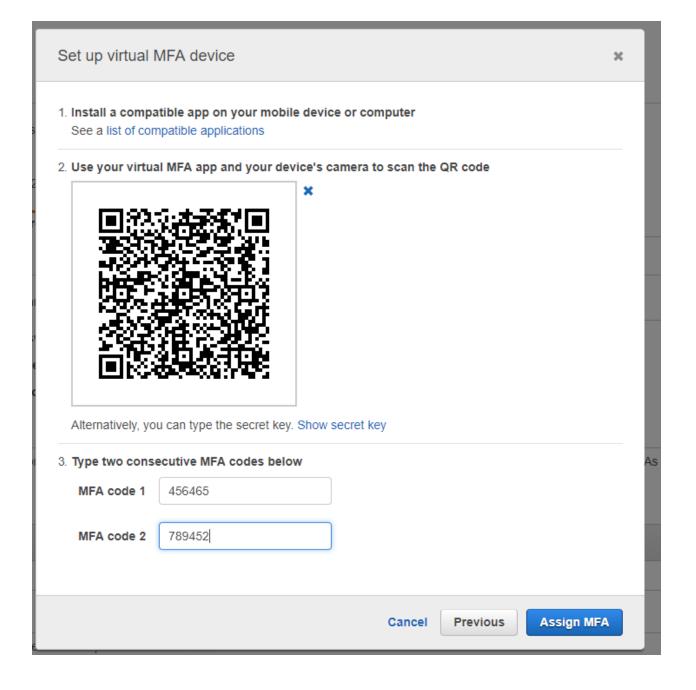




- You should have google authenticator and Barcode Scanner installed on your phone
- Scan using barcode scanner application from your phone or
- From google authenticator add account and scan the code
- Provide 2 MFA Codes below
- Click Assign MFA

Once you logout and login the console after entering your AWS console password it asks for MFA You have to open the google authenticator from your phone and provide the code it

has generated to the console



NOW YOU ARE SECURF





DEMONSTRATION?