



LOGICLABS TECHNOLOGIES

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Amazon Web Services

Multi-Factor Authentication

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Multi-Factor Authentication - MFA

- AWS Multi-Factor Authentication (MFA) is a simple best practice that adds an extra layer of protection on top of our user name and password.
- We can enable MFA for our AWS account (Root Account) and for individual IAM users we have created under our account.

MFA - Devices options

- **Virtual MFA Devices:** Applications for your smartphone can be installed from the application store that is specific to your phone type. The following lists some applications for different smartphone types.
- Google Authenticator
- Twilio Authy 2-Factor Authentication
- Duo Mobile
- LastPass Authenticator
- Microsoft Authenticator

MFA - Devices options

- **U2F Security Key:** AWS supports U2F security key as a MFA device for accessing the AWS Management Console using certain web browsers.
- Yubikey
- Other Hardware MFA Device
- Gemalto

MFA – Root User

- Download the mobile App (Authy)
- Go to Security Credentials
- Go to Multi Factor Authentication
- Click on Activate MFA
- Select the Device (Virtual MFA Device)
- Click on Continue

MFA – Root User

- Click on Show QR Code
- Click on plus button in mobile App
- Enter Backup Password in mobile App
- Click on Scan code from mobile App
- Click on Enable Password in mobile App
- Click on Save

MFA – Root User

- System will generate the Code in mobile App
- Enter the code in AWS
- After few Seconds new password will generate in mobile App
- Enter the Second Code
- Click on Assign MFA
- Now try to Login with AWS Account

MFA – IAM User

- Create IAM User
- Click on username
- Go to Security Credentials
- Click on Manage for MFA Device
- Select the Type & Click on Continue
- Click on Show QR Code

MFA – IAM User

- Click on Add Account in mobile App
- Scan QR Code from mobile App
- Save on save in mobile APP
- Password will generate in mobile App
- Click on Assign MFA
- Check our IAM User
- Try to login IAM user



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