The YubiKey provides stronger user authentication and is ready to use with AWS. There is no additional programming or software needed to get started. Based on your scenario, use the following setup instructions to:

1. **Setup the permissions policy**

To manage a YubiKey for your own IAM user while protecting sensitive MFA-related actions, you must have the permissions from the following policy:

```json
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "AllowManageOwnUserMFA",
      "Effect": "Allow",
      "Action": [
        "iam:DeactivateMFADevice",
        "iam:EnableMFADevice",
        "iam:GetUser",
        "iam:ListMFADevices",
        "iam:ResyncMFADevice"
      ],
      "Resource": "arn:aws:iam::*:user/${aws:username}"
    },
    {
      "Sid": "DenyAllExceptListedIfNoMFA",
      "Effect": "Deny",
      "NotAction": [
        "iam:EnableMFADevice",
        "iam:GetUser",
        "iam:ListMFADevices",
        "iam:ResyncMFADevice"
      ],
      "Resource": "arn:aws:iam::*:user/${aws:username}"
    }
  ],
  "Condition": {
    "BoolIfExists": {
      "aws:MultiFactorAuthPresent": "false"
    }
  }
}
```
IAM user (setting up yourself)—enable your YubiKey in 6 simple steps

1. Use your AWS account ID or account alias, your IAM user name, and your password to sign in to the IAM console.

2. In the navigation bar on the upper right, choose your user name, and then choose My Security Credentials.

3. On the AWS IAM credentials tab, in the Multi-factor authentication section, choose Manage MFA device.

4. In the Manage MFA device wizard, choose U2F security key, and then choose Continue.

5. Insert the YubiKey into your computer's USB port.

6. Tap the YubiKey, and then choose Close when U2F setup is complete.

IAM users (setting up another user)—enable your YubiKey in 5 simple steps

1. Sign in to the IAM console.

2. In the left navigation pane, select Users, and then choose the name of the user for whom you want to enable a YubiKey.

3. Select the Security Credentials tab, and then select the Manage link next to the Assigned MFA device.
4. In the Manage MFA Device wizard, select U2F security key, and then select Continue.

5. Insert the YubiKey into the USB port of your computer, wait for the key to blink, and then touch the button/gold disk on your key. If your key doesn’t blink, please select Troubleshoot U2F to review instructions to troubleshoot the issue.

AWS account root users—enable your YubKey in 6 simple steps

Note: Be sure to enable privacy settings and make sure your permissions are set up properly.

Sign into the IAM console as the account owner by choosing Root user and entering your AWS account email address. On the next page, enter your password.

1. Enable user MFA policy.

2. On the right side of the navigation bar, choose your account name, and then choose My Security Credentials. If necessary, choose Continue to Security Credentials.

3. Expand the Multi-factor authentication (MFA) section and choose Manage MFA or Activate MFA.

4. In the wizard, choose U2F security key, and then select Continue.

5. Insert the YubiKey into your computer’s USB port.

6. Tap the U2F YubiKey, and then choose Close when U2F setup is complete.

For more detailed information go here.