

Getting Started Study Notes

Andrew Brown

Setting up your account:

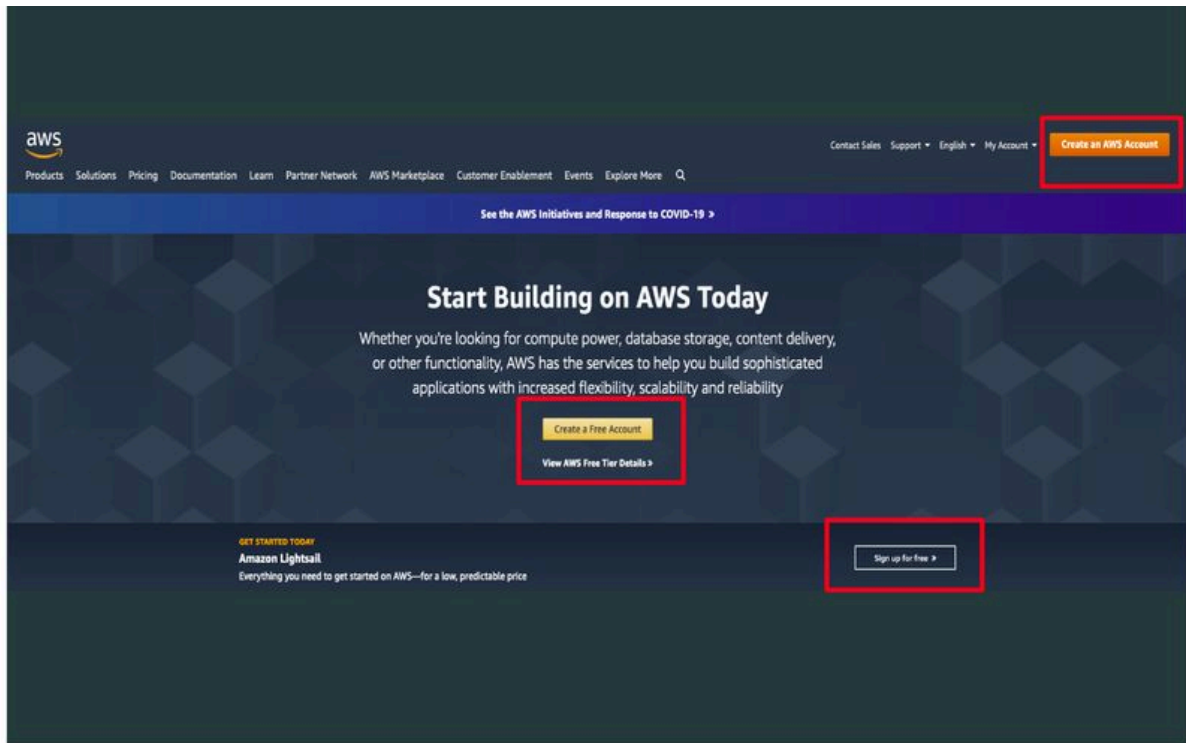
Navigating to create an account

- 1.1 [] Start at the [AWS Homepage](#)

You can click any of the following buttons to create a new account:

- Create an AWS Account
- Create a Free Account
- Sign up for free

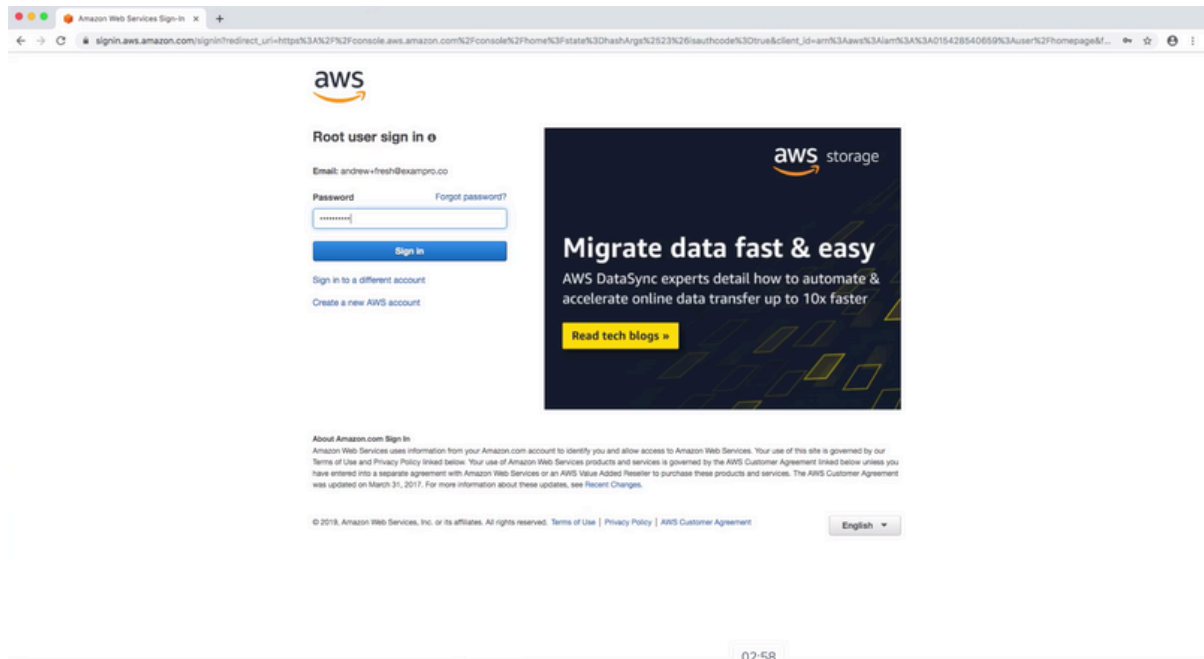
2 AWS Certified Cloud Practitioner



- 1.2 [] Navigate to the Create an AWS account form and fill in the information:

You need to provide the following information:

- Email
- Password
- AWS account name of your choosing



- 1.3 [] Click Continue.

Contact Information

- 2.1 [] Fill in the Contact information form.

You can choose a Professional or Personal account type.

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The screenshot shows the AWS 'Payment Information' page in a Chrome browser. The page title is 'Payment Information'. Below the title, there is a paragraph: 'We use your payment information to verify your identity and only for usage in excess of the AWS Free Tier Limits. We will not charge you for usage below the AWS Free Tier Limits. For more information, see the frequently asked questions.' Below this is a warning box with an information icon and text: 'When you submit your payment information, we will charge \$1 USD/EUR to your credit card as a verification charge to ensure your card is valid. The amount may show as pending in your credit card statement for 3-5 days until the verification is completed, at which time the charge will be removed. You may be redirected to your bank website to authorize the verification charge.' The form fields include: 'Credit/Debit card number' (empty), 'Expiration date' (set to 10/2019), 'Cardholder's name' (empty), and 'Billing address' (with a radio button selected for 'Use my contact address' and a redacted address). At the bottom of the form is a yellow 'Verify and Add' button. The footer contains copyright information and links to 'Privacy Policy', 'Terms of Use', and 'Sign Out'.

- 2.2 [] Agree to the terms of use.
- 2.3 [] Click the create Account and continue button.

Payment Information

This screenshot is identical to the one above, showing the AWS 'Payment Information' page. The form fields are now filled with redacted information: the 'Credit/Debit card number' field contains blacked-out text, the 'Expiration date' is set to 10/2019, the 'Cardholder's name' field contains blacked-out text, and the 'Billing address' is also redacted. The 'Use my contact address' radio button remains selected. The 'Verify and Add' button is still present at the bottom of the form.

- 3.1 [] You need to fill out the Payment Information with a valid debit or credit card to use AWS
- 3.2 [] Once the information is filled in hit the `verify` and `Add` button.

Confirm your identity

Payment Information

We use your payment information to verify your identity and only for usage in excess of the AWS Free Tier Limits. We will not charge you for usage below the AWS Free Tier Limits. For more information, see the [frequently asked questions](#).

When you submit your payment information, we will charge \$1 USD/EUR to your credit card as a verification charge to ensure your card is valid. The amount may show as pending in your credit card statement for 3-5 days until the verification is completed, at which time the charge will be removed. You may be redirected to your bank website to authorize the verification charge.

Credit/Debit card number

Expiration date

Cardholder's name

Billing address

☒ Use my contact address

☐ Use a new address

Verify and Add

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[Privacy Policy](#) [Terms of Use](#) [Sign Out](#)

- 4.1 [] Add a valid phone number so you can confirm your identity.

Choose Text Message or Voice call

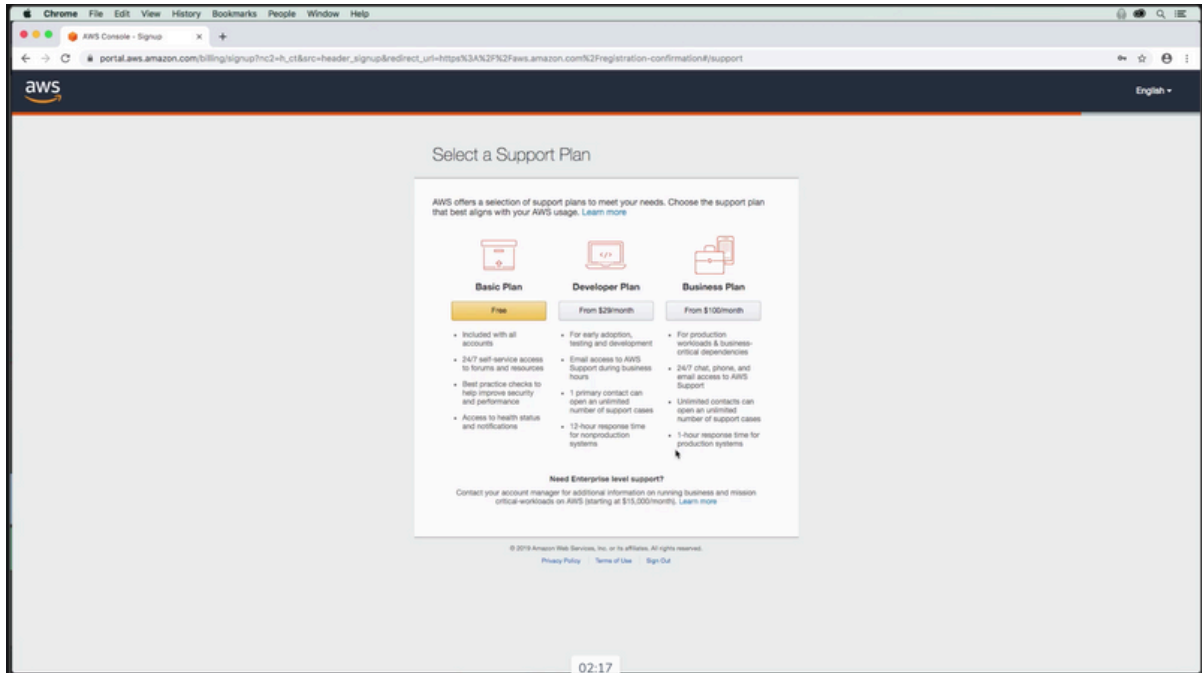
- 4.2 [] Fill in the Security check
- 4.3 [] Click the `send SMS` button to continue.

The screenshot shows a web browser window with the AWS logo in the top left corner. The address bar displays a URL starting with 'portal.aws.amazon.com'. The main content area is titled 'Payment Information'. Below the title, there is a paragraph explaining that payment information is used for verification and that usage below the AWS Free Tier Limits will not be charged. A small information icon (i) is next to this text. Below the paragraph, there is a form with the following fields: 'Credit/Debit card number' (a text input field), 'Expiration date' (two dropdown menus showing '10' and '2019'), 'Cardholder's name' (a text input field), and 'Billing address'. Under 'Billing address', there are two radio buttons: 'Use my contact address' (which is selected) and 'Use a new address'. Below the radio buttons is a black rectangular box representing a redacted address. At the bottom of the form is a yellow button labeled 'Verify and Add'. At the very bottom of the page, there is small text: '© 2019 Amazon Web Services, Inc. or its affiliates. All rights reserved. Privacy Policy Terms of Use Sign Out'.

- 4.4 [] Once the you receive the verification code fill it in and hit the verify code button.

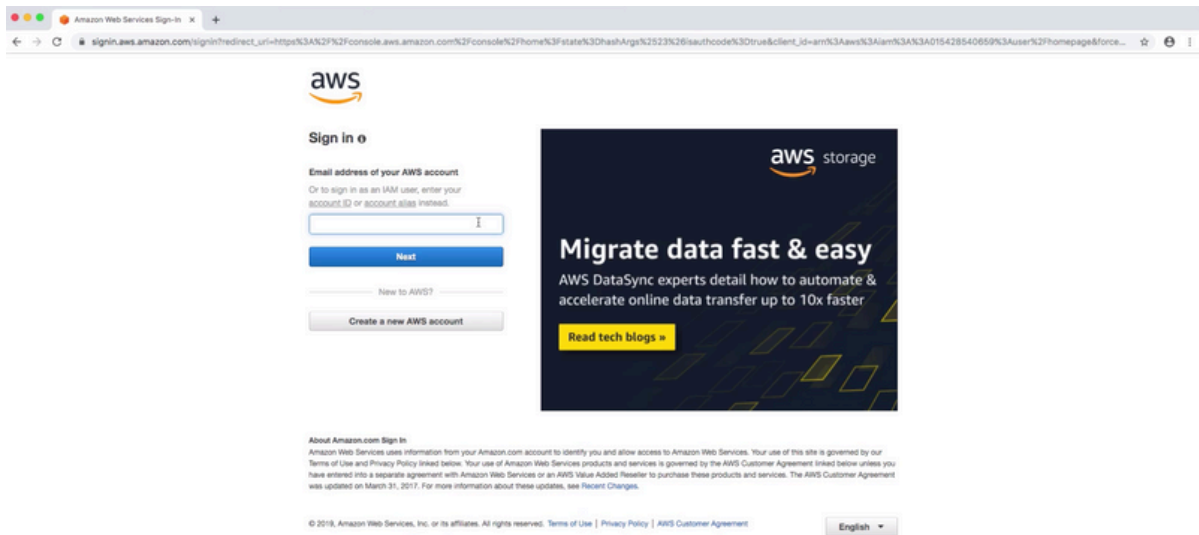
Choose support plan

- 5.1 [] Select a Support Plan and choose the free Basic Plan



Sign in

- 6.1 [] Click the sign in to the Console button.
- 6.2 [] Fill in your email and click Next
- 6.3 [] Fill in the password and sign in to the console.



AWS Management Console

- 7.1 [] You should now be at the AWS Management Console.

Change IAM users Sign-in Link

- 1.1 [] In your AWS console go to the services search and type in IAM then navigate to the IAM page.

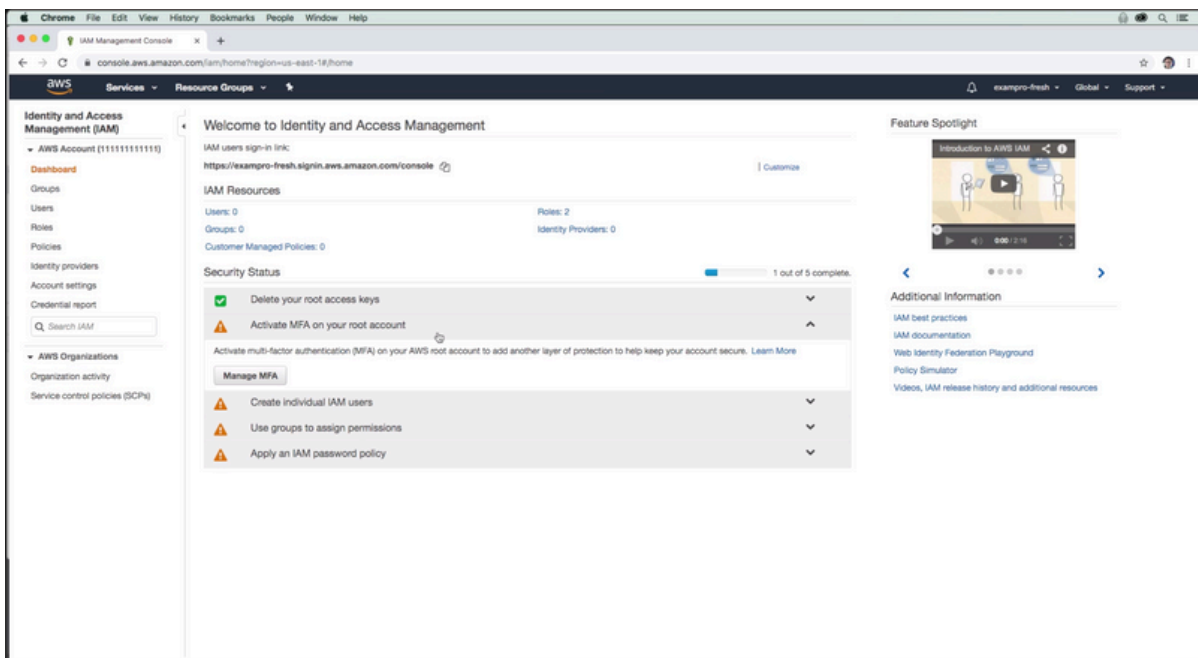
The screenshot shows the AWS IAM console interface. On the left is a navigation sidebar with options like 'Dashboard', 'Groups', 'Users', 'Roles', 'Policies', 'Identity providers', 'Account settings', 'Credential report', 'AWS Organizations', 'Organization activity', and 'Service control policies (SCP)'. The main content area is titled 'Welcome to Identity and Access Management' and shows 'IAM users sign-in link' and 'IAM Resources'. A red box highlights the 'Create Account Alias' dialog box, which is open in the foreground. The dialog has a title bar 'Create Account Alias' and a text input field labeled 'Account Alias' containing the text 'example-'. Below the input field are 'Cancel' and 'Yes, Create' buttons. Another red box highlights the 'IAM Resources' section in the background, which displays 'Users: 0', 'Roles: 2', 'Groups: 0', and 'Customer Managed Policies: 0'. On the right side of the console, there is a 'Feature Spotlight' section with a video player and an 'Additional Information' section with links to IAM best practices, IAM documentation, Web Identity Federation Playground, Policy Simulator, and Videos, IAM release history and additional resources.

- 1.2 [] Click the IAM sign-in link to change to create a shorter alias.
- 1.3 [] Click the `yes, create` button to continue.

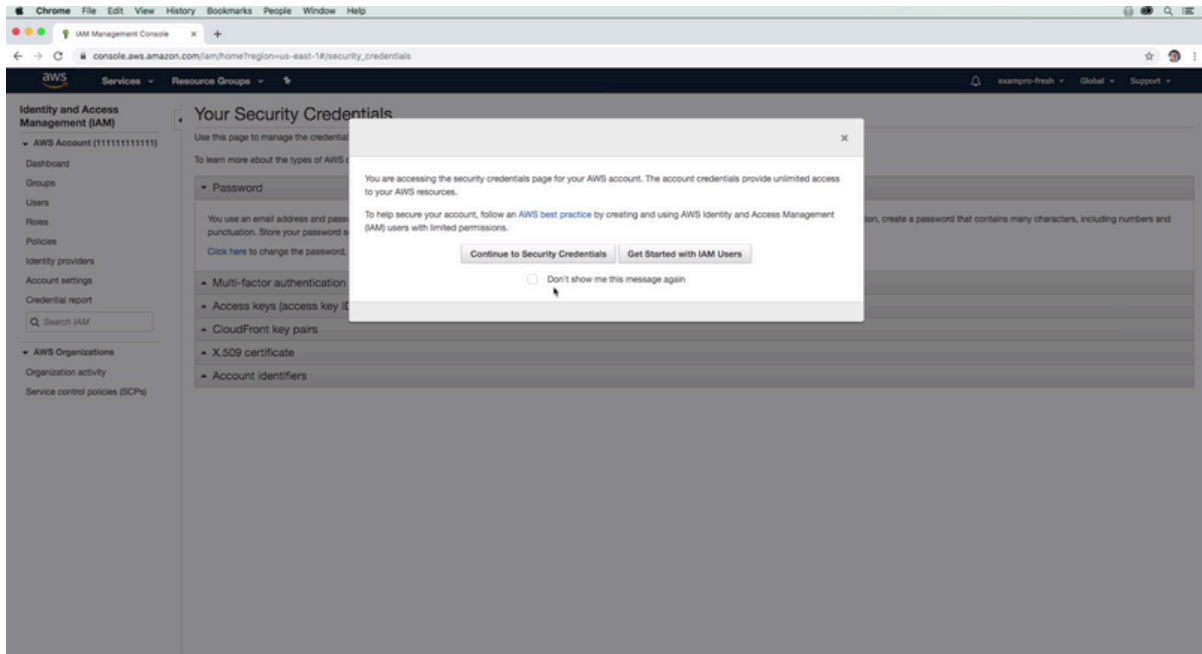
Note: if the alias is a name that is already in use you may need to change it to find one that is not taken.

Activate MFA for Root Account

- 1.1 [] Click on the `Activate MFA` on your root account dropdown.
- 1.2 [] Click the `Manage MFA` button



- 1.3 [] x out of the pop up that is asking us if we're sure we want to continue working with our root account

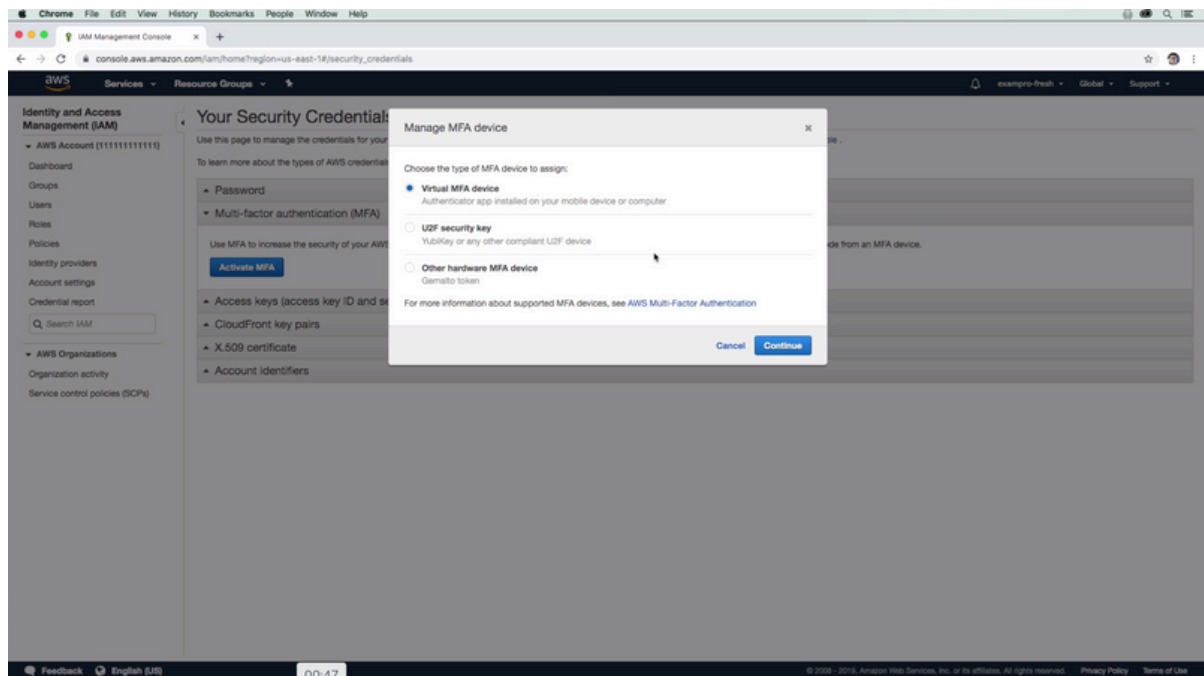


Your Security Credentials

- 2.1 [] Click the Multi-factor authentication (MFA) dropdown
- 2.2 [] Click the Activate MFA button

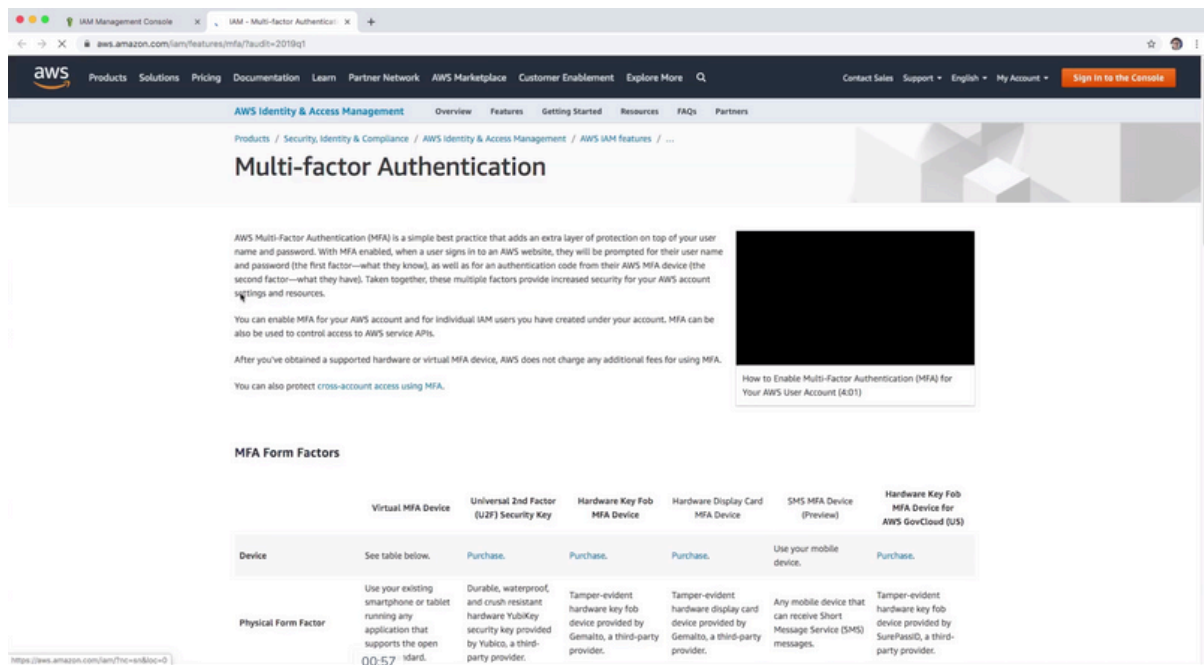
Choose the type of MFA Device to assign

- 3.1 [] Click the virtual MFA device option.
- 3.2 [] Click continue

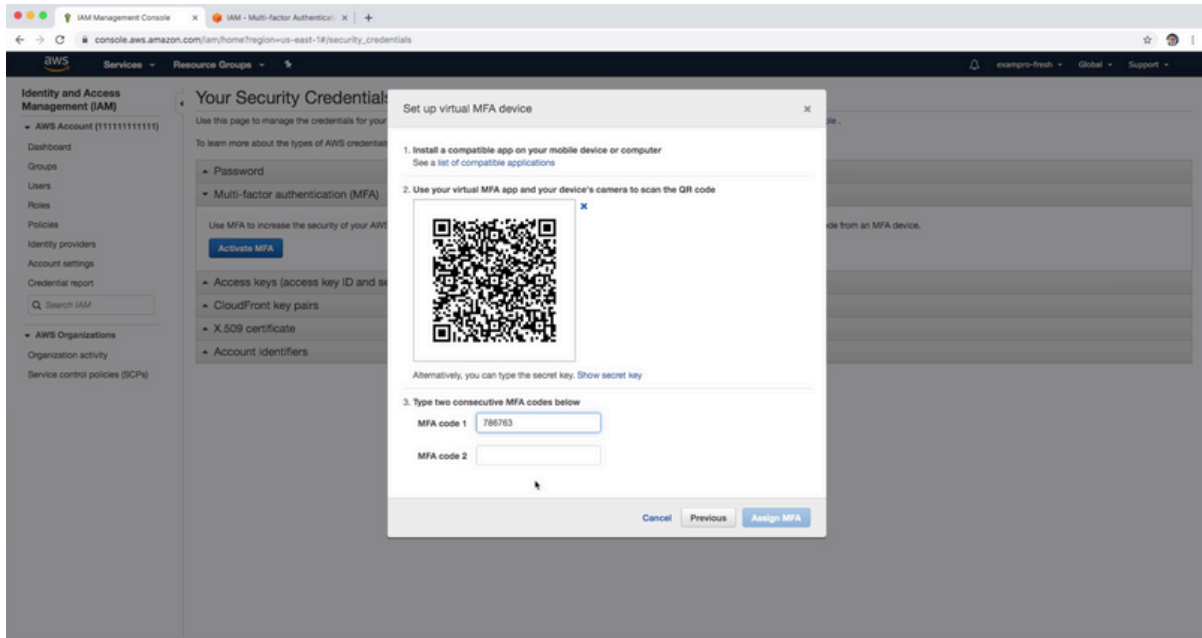


Multi-factor Authentication

- 4.1 [] If you are on Android or iPhone you need to choose Google Authenticator or Authy 2-Factor Authentication



- 4.2 [] Scan the QR Code with Google Authenticator or Authy 2-Factor Authentication
- 4.3 [] Enter the first code you receive before it expires
- 4.4 [] Enter the second code you receive before it expires
- 4.5 [] Click the Assign MFA button



MFA should now be turned on and you can continue with the next step.

Create Individual IAM users

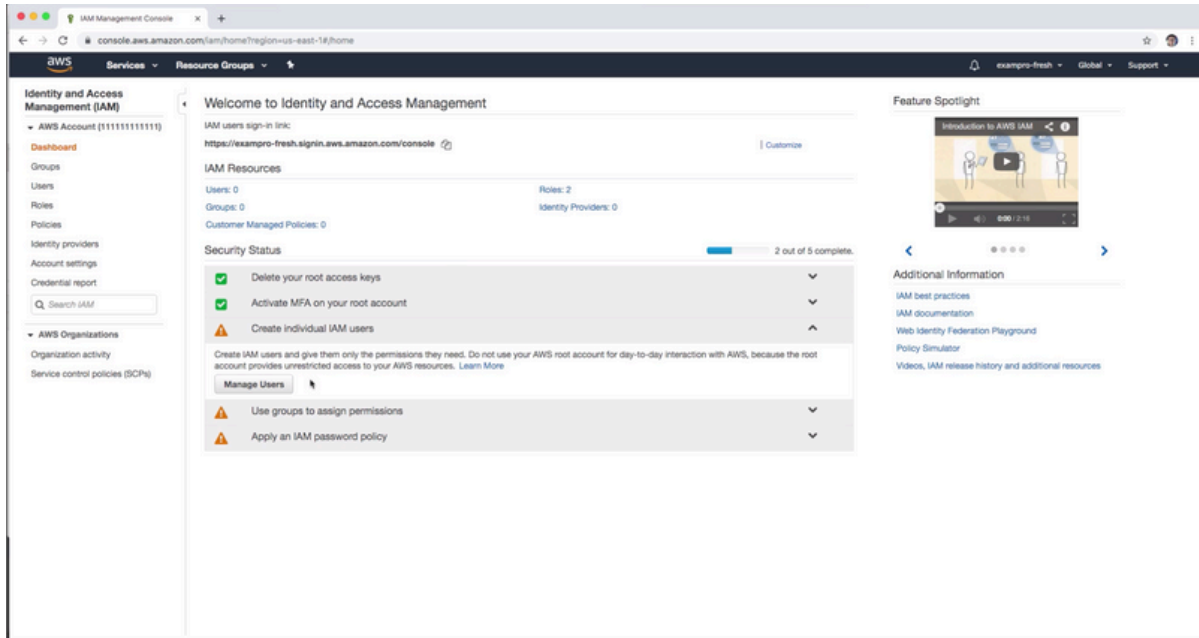
In this video, we're going to walk through how to create our first IAM account.

When we open our AWS account, we do not want to use the root credentials.

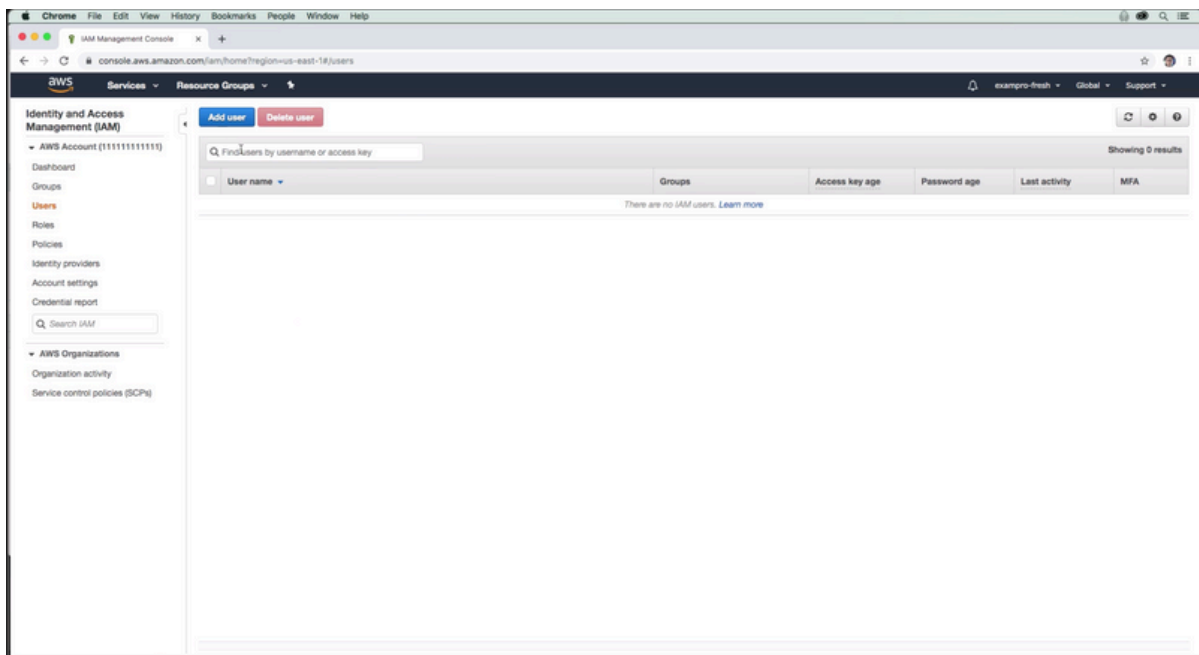
Preferably best practice is to create an IAM user to use as an administrator account.

For IAM users we can enable programmatic access. We can apply various levels of policy and permissions, to better manage user permissions.

- 1.1 [] Click the create Individual IAM Users Dropdown
- 1.2 [] Click the Manage Users button



- 1.3 [] Click Add user button



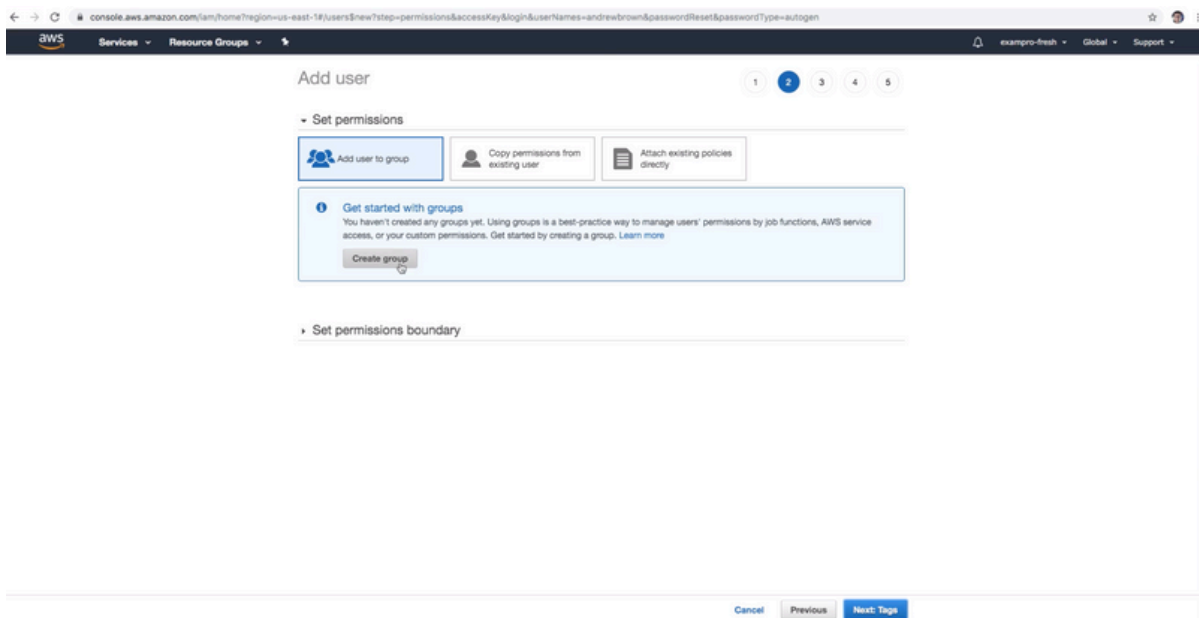
Add User

- 2.1 [] Fill in the user name
- 2.2 [] Check Programmatic Access
- 2.3 [] Check AWS Management Console access
- 2.4 [] Click the Autogenerated password radio button
- 2.5 [] Check User must create a new password at next sign-in
- 2.6 [] Click the Next: Permissions button

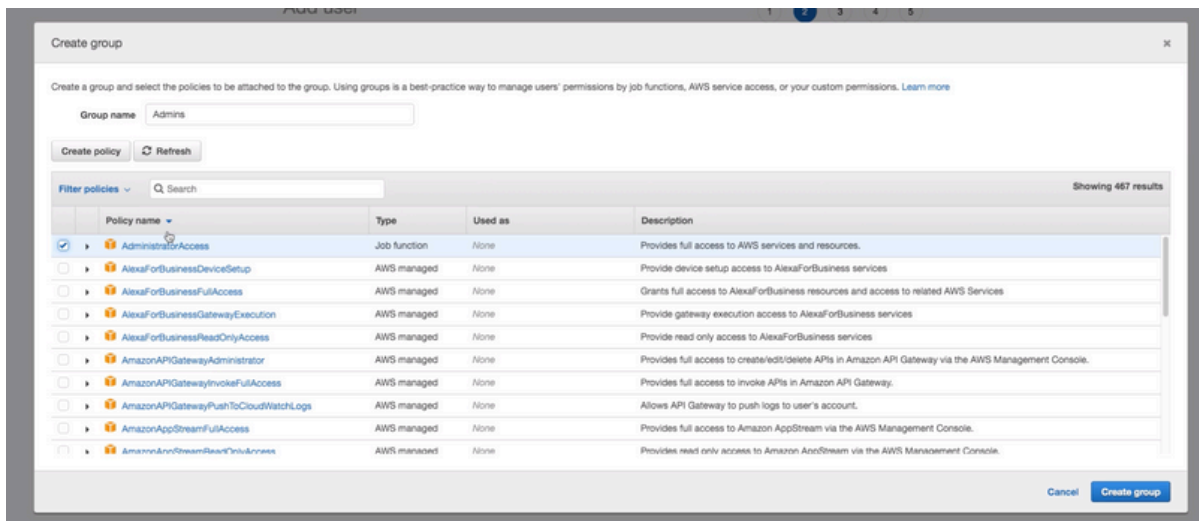
The screenshot shows the AWS IAM 'Add user' console page. The 'Set user details' section has a 'User name' field with the value 'andrewbrown'. Below this is the 'Select AWS access type' section, which includes checkboxes for 'Programmatic access' and 'AWS Management Console access', both of which are checked. The 'Console password' section has two radio buttons: 'Autogenerated password' (selected) and 'Custom password'. The 'Require password reset' checkbox is also checked. At the bottom right, there are 'Cancel' and 'Next: Permissions' buttons.

Set Permissions

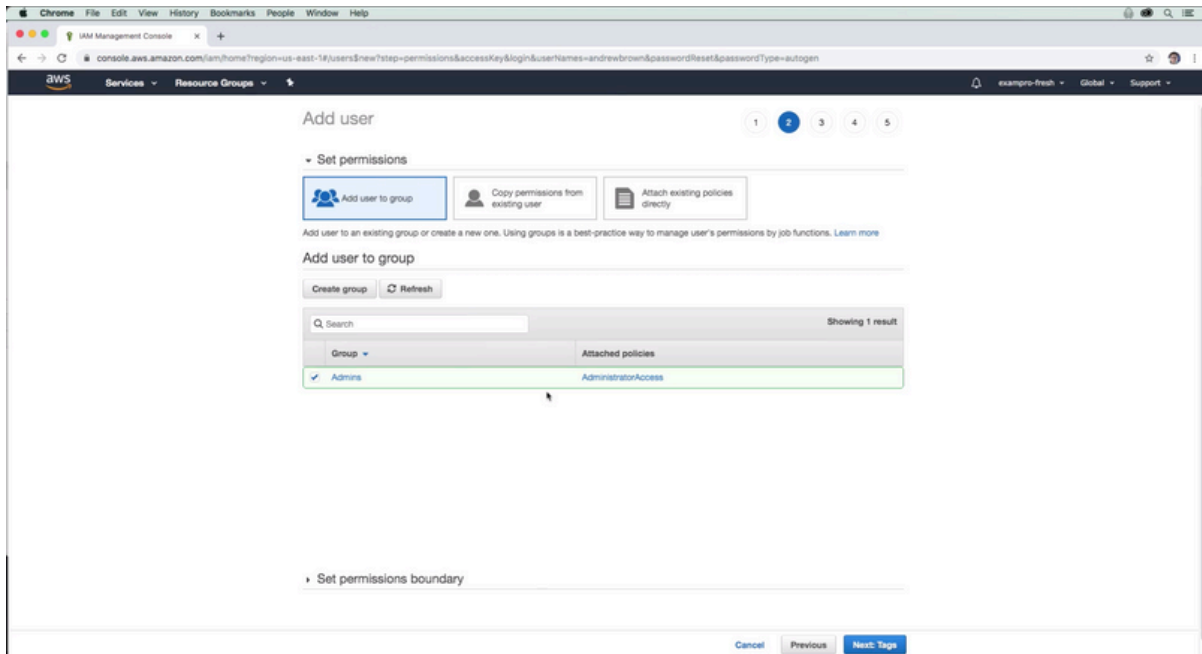
- 3.1 [] Add a user group: Click the create group button



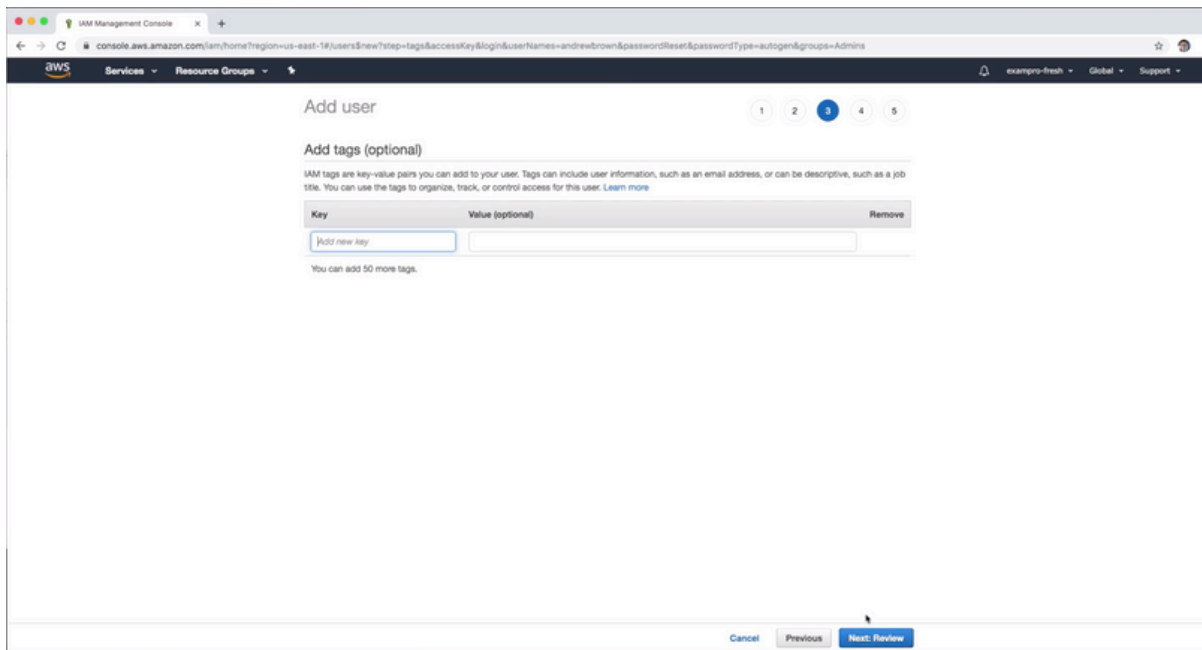
- 3.2 [] Name the group Admins
- 3.3 [] Give the group Administrator Access



- 3.4 [] Click the create group button
- 3.5 [] Click the Next: Tags button



■ 3.6 [] Click the Next: Review button



■ 3.7 [] Click the create user button

Services

Resource Groups

example-freshGlobalSupport

Add user

12345

Review

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

User details

User name

andrewbrown

AWS access type

Programmatic access and AWS Management Console access

Console password type

Autogenerated

Require password reset

Yes

Permissions boundary

Permissions boundary is not set

Permissions summary

The user shown above will be added to the following groups.

Type	Name
Group	Admins

Managed policy

[IAMUserChangePassword](#)

Tags

No tags were added.

Cancel

Previous

Create user

Access Key and Password

You should now have an Access Key and Password available. It should look similar to this:

Services

Resource Groups

example-freshGlobalSupport

Add user

12345

Success

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://example-fresh.signin.aws.amazon.com/console>

Download .csv

	User	Access key ID	Secret access key	Password	Email login instructions
	andrewbrown	AKIASR7TGZVHG6ZKXSZLJ	A3evyWngZhnnGWRACKZl WNgZbO8erUw+BRVd Hide	J&-WVpZjko^ Hide	Send email

Close

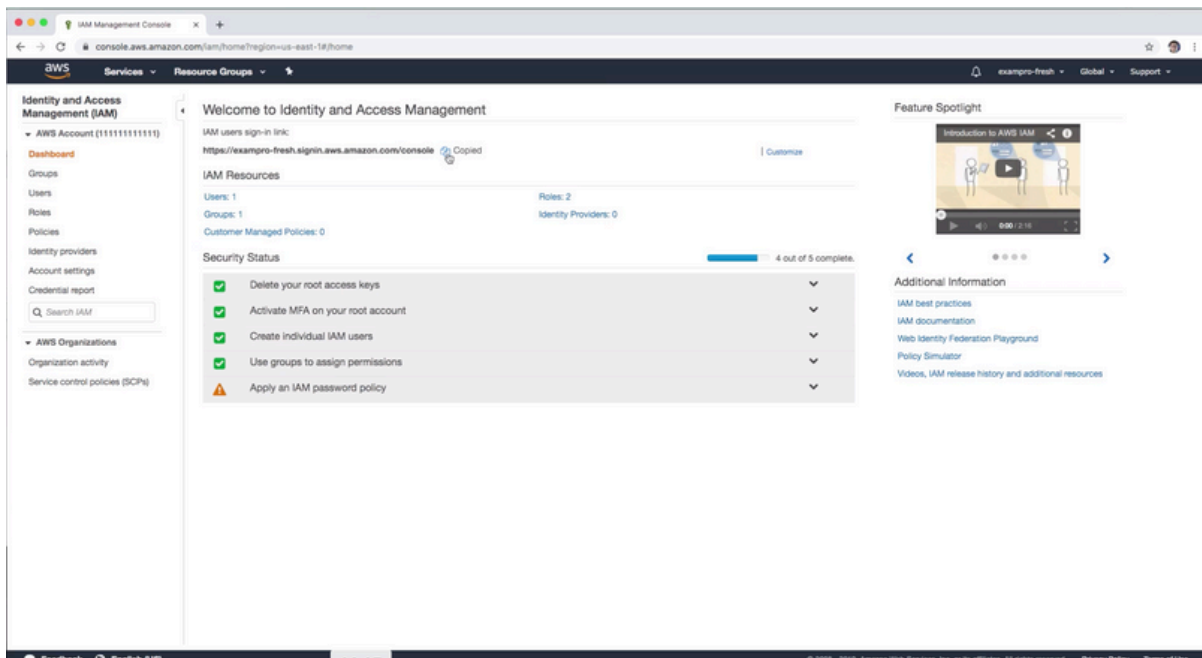
- 4.1 [] Copy and save both your Password and Access Key

- 4.2 [] Navigate back to the IAM console.

All Security Status items should be checked green except for Apply IAM password Policy

Sign In to new user account

- 5.1 [] Copy the IAM users sign-in link



- 5.2 [] Log out of the root user
- 5.3 [] Paste in your IAM users sign-in link to your url and navigate to the link
- 5.4 [] Past the password you copied after adding your new user
- 5.5 [] Click sign In
- 5.6 [] Reset your password
- 5.7 [] Click the Confirm password change button

aws

You must change your password to continue

AWS account 111111111111

IAM user name andrewbrown

Old password

New password

Retype new password

Confirm password change

[Sign in with root account credentials](#)

English

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Log out and Log back in to Root Account

- 6.1 [] Log out of the current user account
- 6.2 [] Click the sign-in using root account credentials link

aws

Account ID or alias
examplo-fresh

IAM user name

Password

Sign in

[Sign in using root account credentials](#)

[Forgot password?](#)

AWS IQ
Find AWS Certified experts
for on-demand project work

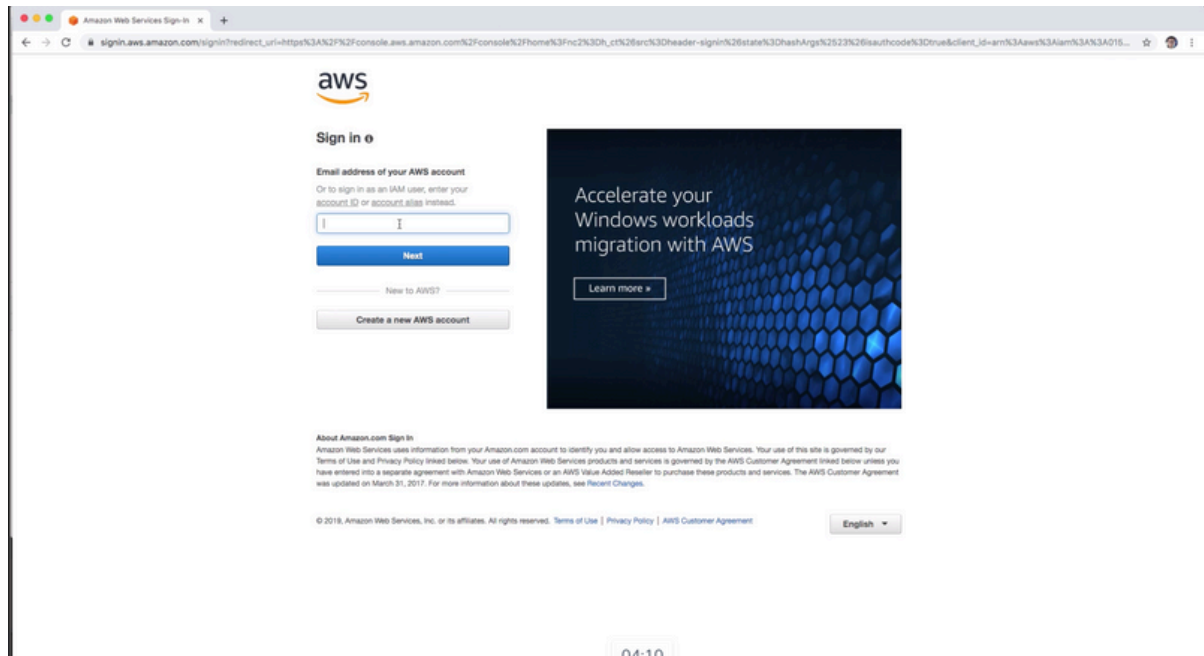
[LEARN MORE](#)

English

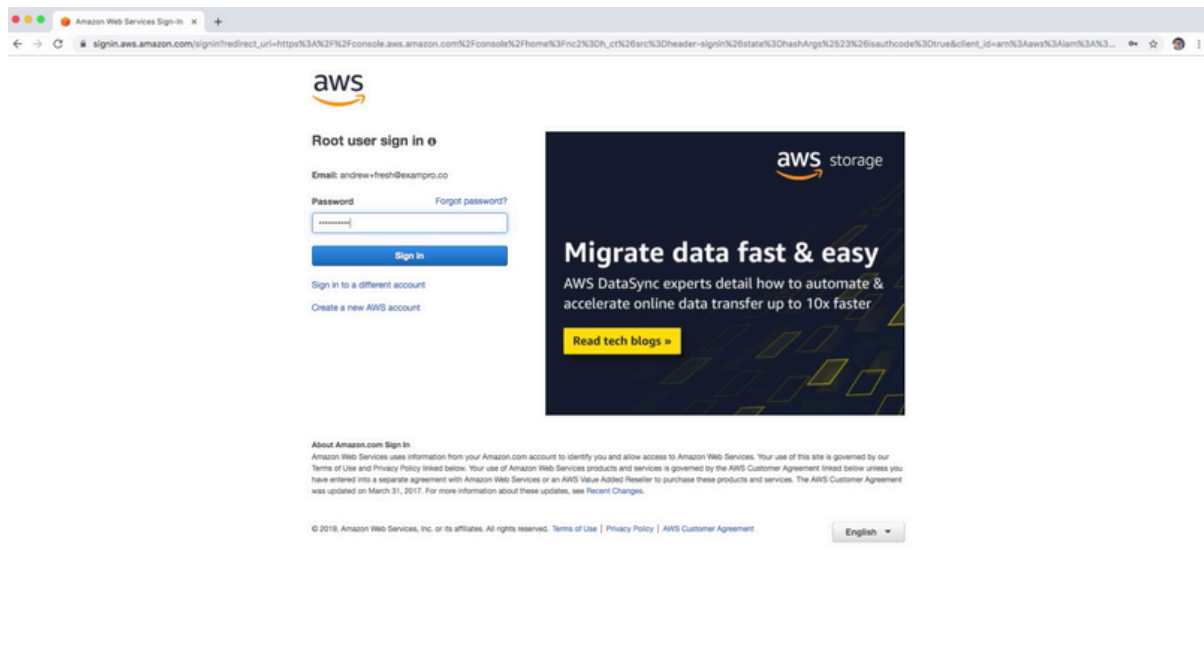
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- 6.3 [] Use your email to log back in as the root user

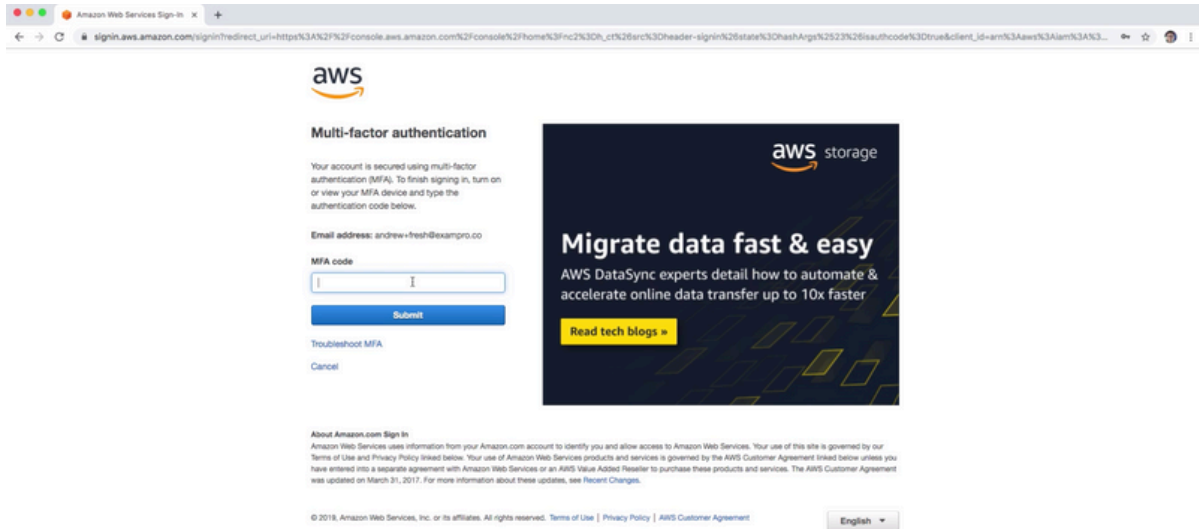
6.4 [] Click the next button



6.5 [] Type in your password and click the submit button



- 6.6 [] Use Google Authenticator or Authy 2-Factor Authentication to get your MFA code
- 6.7 [] Fill in the code and click the submit button

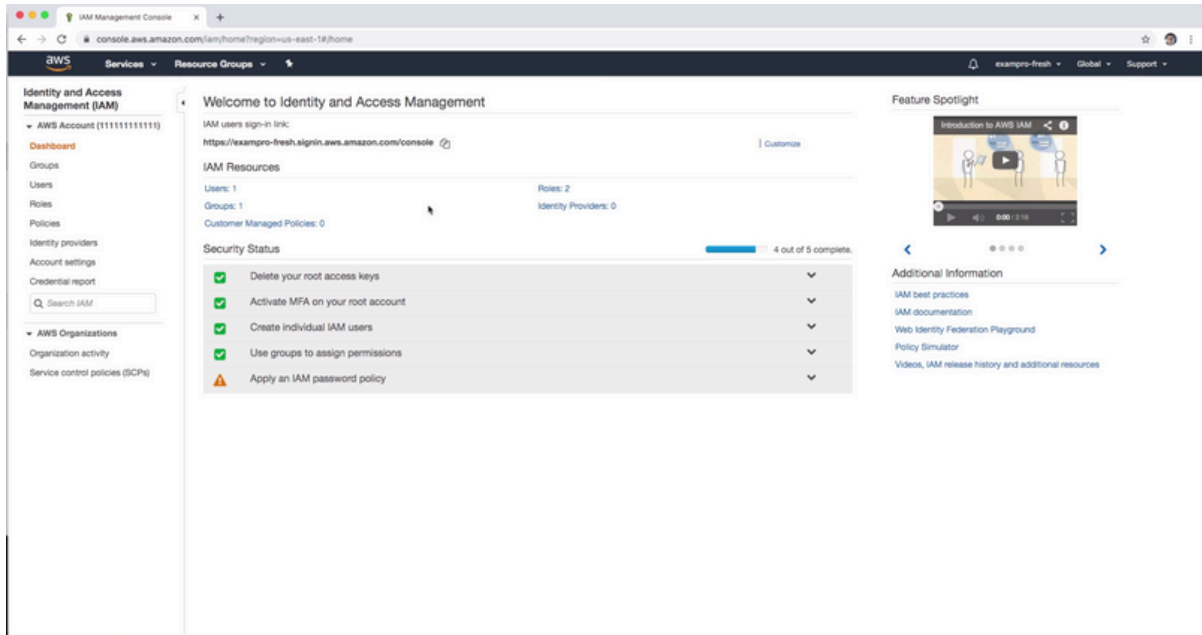


You should now be logged back in as the root user.

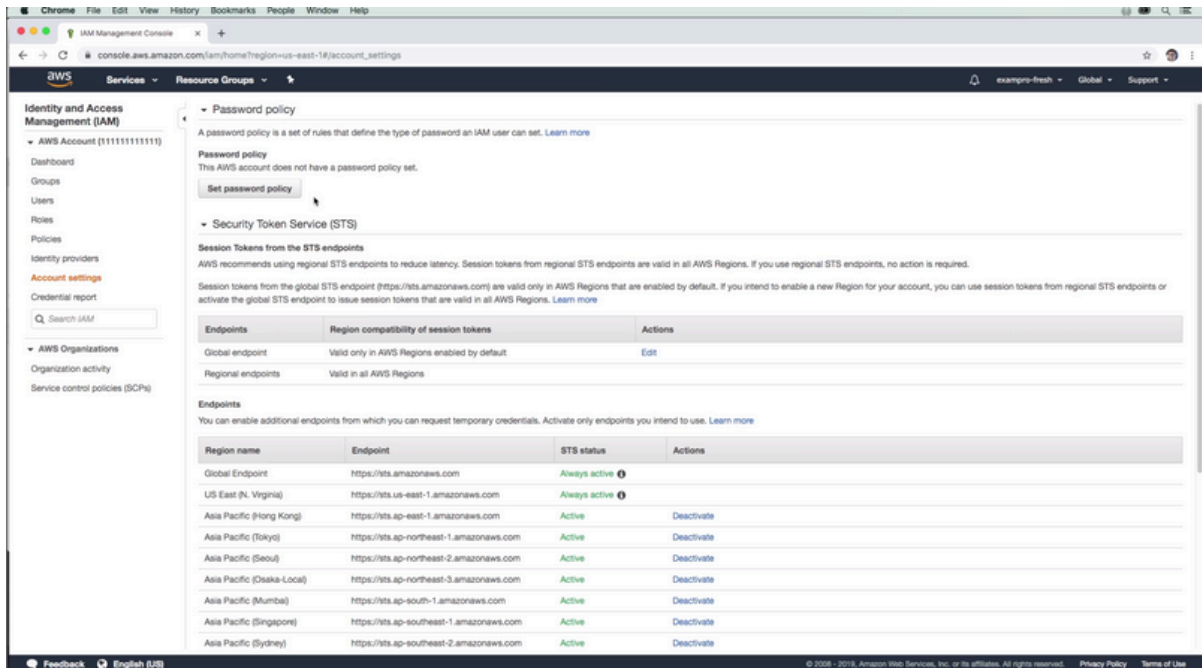
Navigate to IAM again and in the next video we will apply an IAM password policy

Apply an IAM password policy

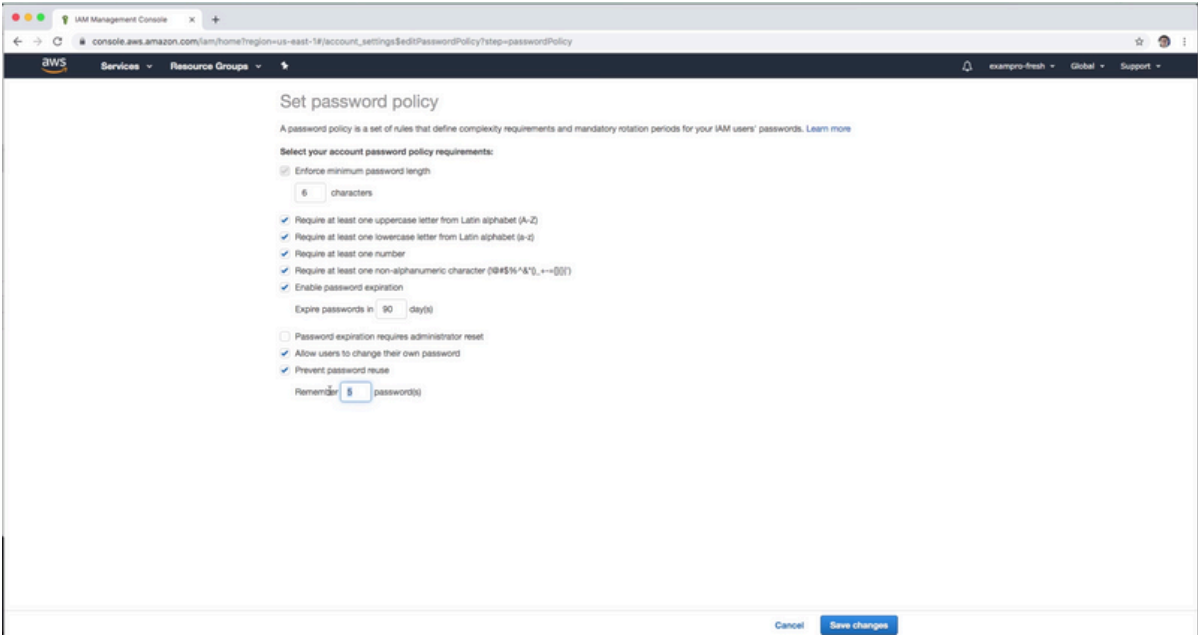
- 1.1 [] Inside the IAM console click the Apply an IAM password policy
- 1.2 [] Click the Manage Password Policy button



- 1.3 [] Click the set password policy button



- 1.4 [] Check the appropriate checkboxes for your preferred password policy
- 1.5 [] When you are done, click the save changes button



- 1.6 [] Navigate back to your IAM console
- 1.7 [] Check to see all Security Status items have been completed

