GA **GENERAL ASSEMBLY**

Amazon Workspace
Student Instructions
Version 2.4

GENERAL ASSEMBLY

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Document Overview

We use Amazon Workspaces to support hands-on training provided as a part of this course. The Amazon Workspace you will use is a Linux virtual machine (VM).

This document provides guidance to access and configure your VM. This document also includes troubleshooting topics.

Setup Instructions

Please follow the instructions outlined in the next sections to complete the setup process.

Overview

These instructions will guide you through the following major steps:

- ☐ Install the Okta app on your mobile device
- ☐ Complete the Okta setup process
- ☐ Setup the Amazon Workspace client software on your Windows or Mac computer
- ☐ Sign in to your Amazon Workspace
- ☐ Perform a one-time initialization using a script pre-installed on your VM
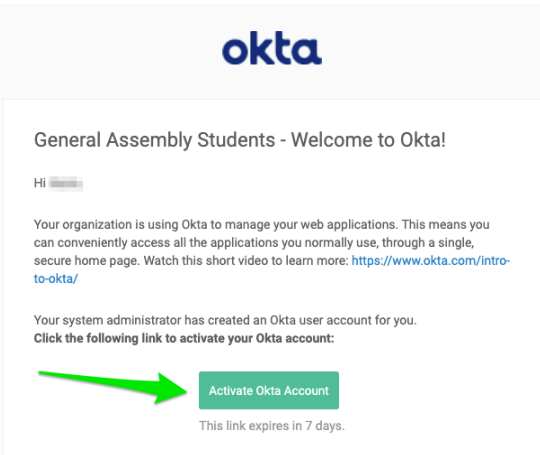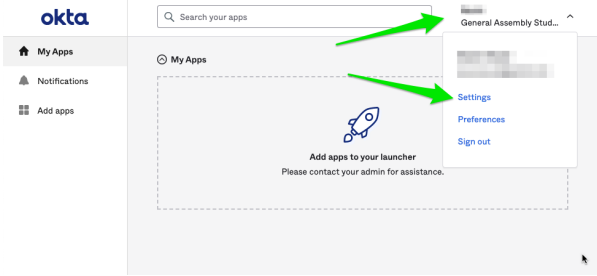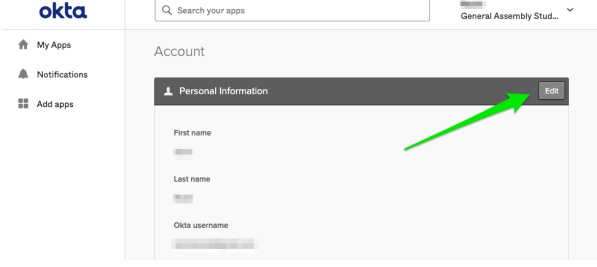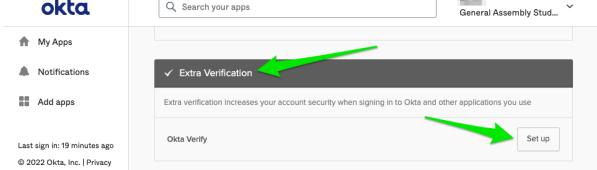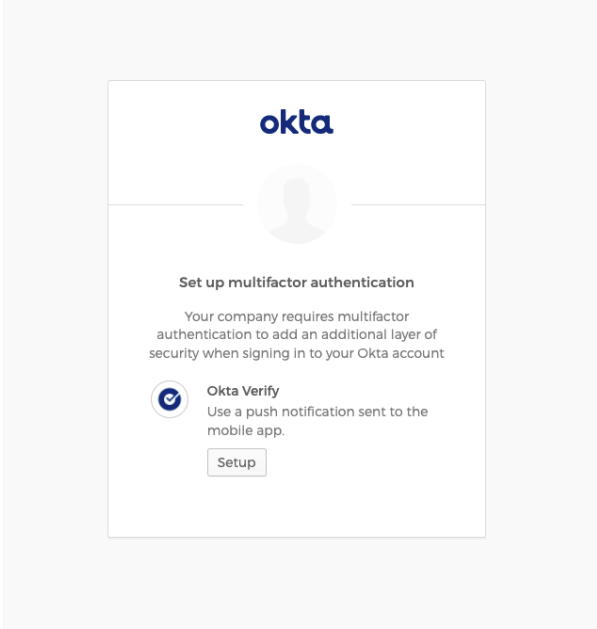
Okta Setup

Okta is used to support a secure sign-in process for your VM. Once configured, Okta is only used for the sign-in and MFA process with the Workspaces client. You will not need to use or configure any applications within the Okta web application itself.

You will need to install the Okta Verify mobile app on your phone. Please search for "Okta Verify" in your phone's app store or use the following links or for iOS or for Android and install the app.
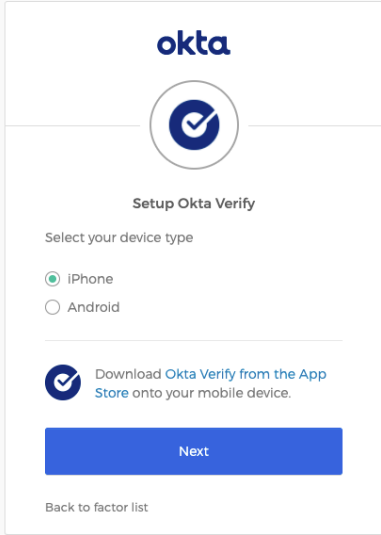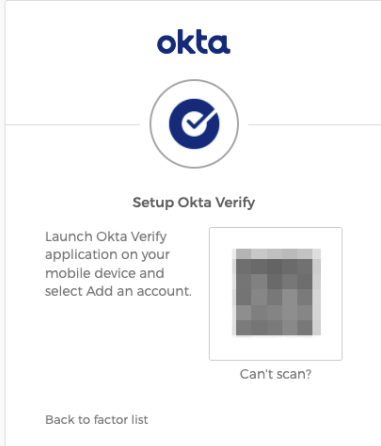
When your user account is set up in Okta, you will receive an email inviting you to complete the Okta enrollment process. Please follow the instructions below after you receive the email.
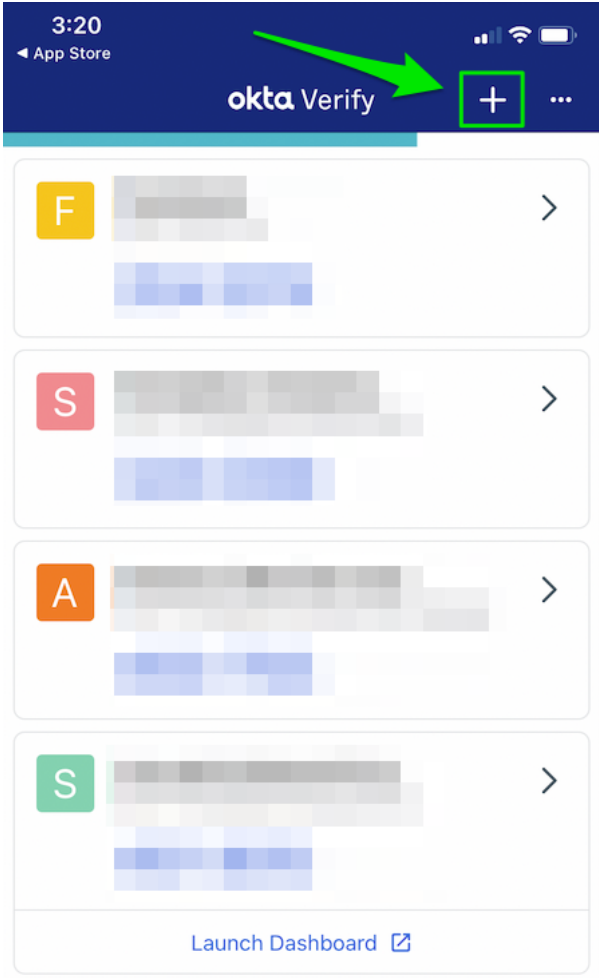
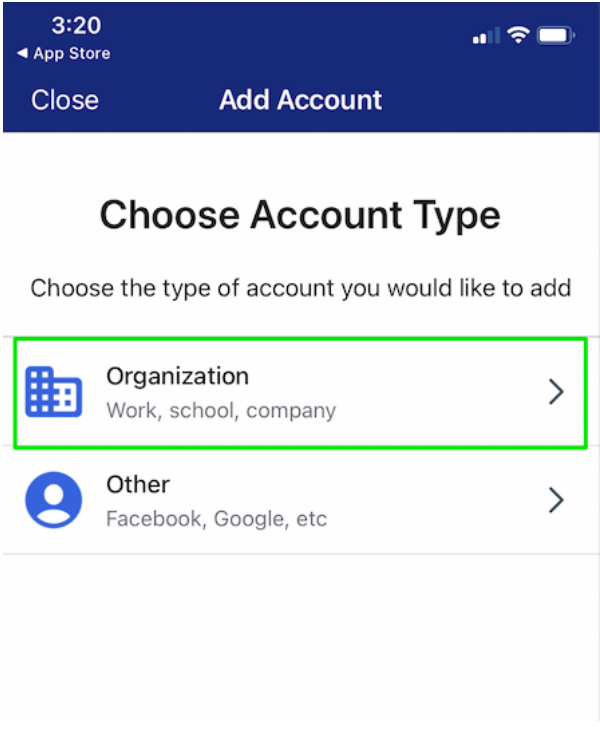***Note:*** *Please start the enrollment process using a web browser on your laptop or desktop computer.*

This is the Okta activation email you will receive.

Select "Activate Okta Account".

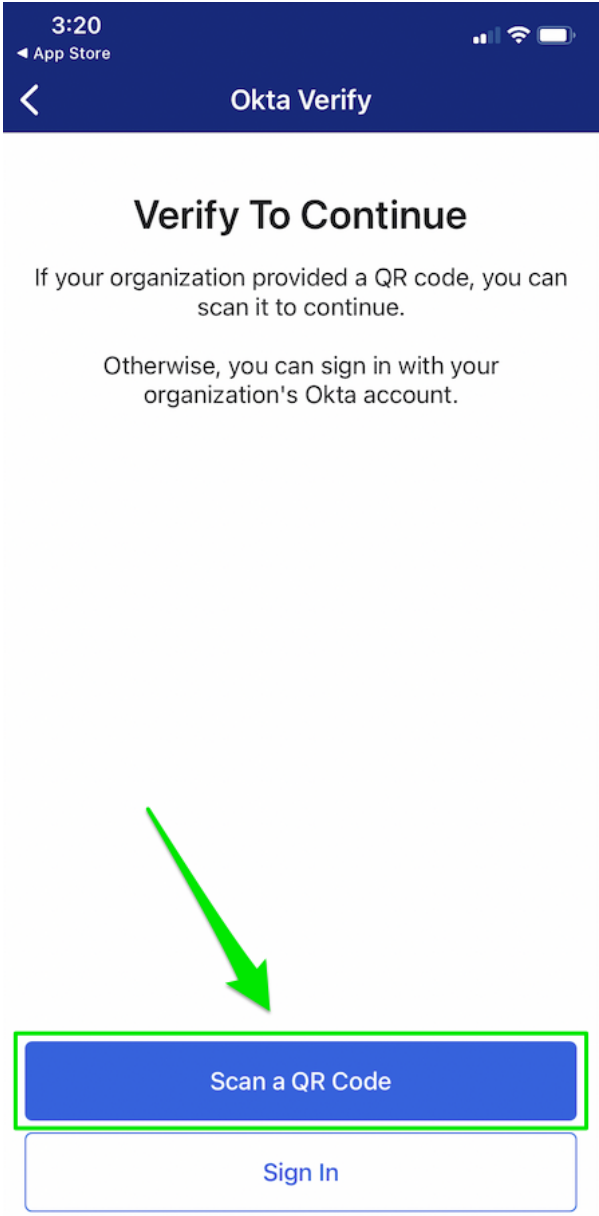On the page that loads, complete your account registration.

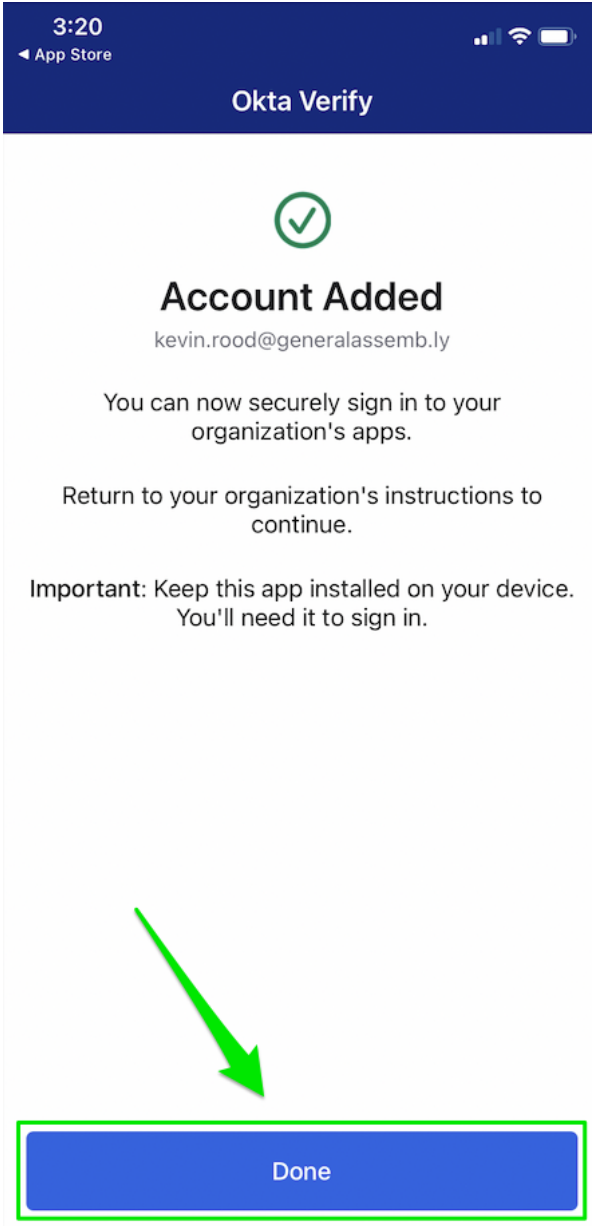|	Select the account menu. Select "Settings".
	Select "Edit".
	Scroll down to "Extra Verification". Select "Set Up".
	This will start the MFA enrollment process. Select "Setup".

Select your mobile device platform and then select "Next".

Once you reach this part of the enrollment process, you will need to open the Okta Verify app on your mobile phone.

Add a new account in the mobile app by selecting the "+" sign.

Select "Organization".

Select "Scan a QR Code".

The screen will change to a camera view.

Point the camera at your computer monitor, placing the QR code in the box shown in the camera view.

The app will automatically detect the QR code and move to the next step.

Click "Done" to complete the process.

When looking at the main screen of the Okta Verify app, you will now see a new account.

The account has an auto-refreshing code. This is the "MFA Code" you will use when signing in to your Amazon Workspace.

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Amazon Workspace Prerequisites

You will need the following information to proceed:

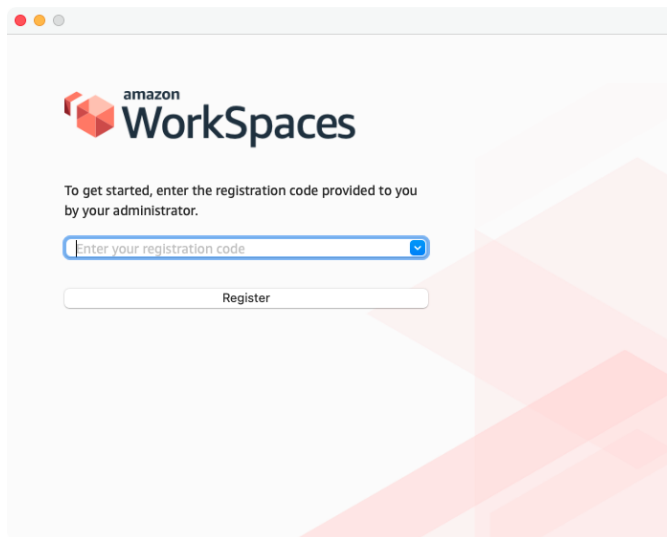|	
Username	Your username is the *first part* of your email address. This is the part of your email address in front of the @ symbol. For example, if your Okta sign-in email is randy.random05@example.com, your login username will be ***randy.random05***.
Password	Your Okta login password.
MFA Code	The MFA code is available in the Okta Verify app.
Registration Code	This will be provided by your instructor.

In addition, we require using Amazon Workspaces client software on the following platforms: Windows, Mac, or Linux. We do not support using the Workspace client software on any other platforms. Students should install the latest version of the client software available for their platform. Amazon provides guidance regarding specific requirements for each platform. Please ensure your device meets the requirements before proceeding:
- [Windows](#)
- [Mac](#)
- [Linux](#)

Amazon Workspace Setup

Please follow the instructions below to complete the Amazon Workspace setup process and to sign in to your VM.
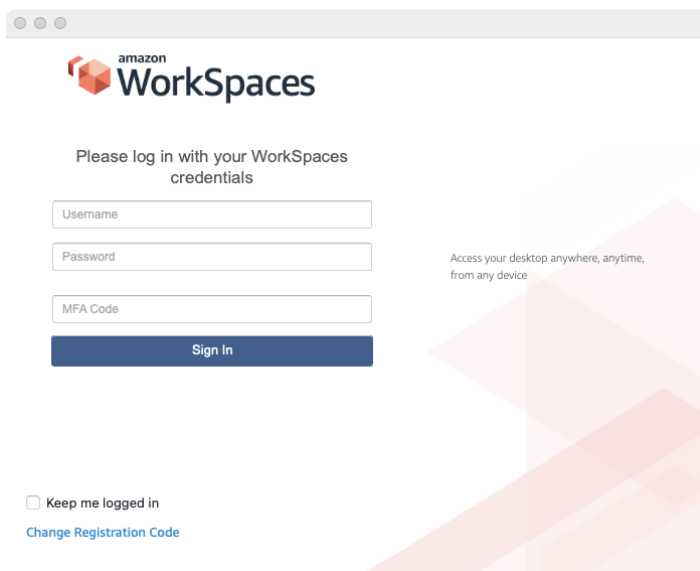
Download and install the Amazon Workspaces client for your platform from: https://clients.amazonworkspaces.com/.

Once installed, open the application.

When the application starts, you will see a screen similar to the one shown here.

Enter the registration code and click the "Register" button.

Next, enter your username, password, and MFA code, then click the "Sign In" button.

We recommend you check the box at the bottom of the screen labeled "Keep me logged in".

The MFA code is a 6-digit number that appears in the Okta Verify app when you open it.

Enter the number you see in the mobile app.

Note: for security purposes, the 6-digit number you see in the Okta Verify mobile application changes every 30 seconds. Enter the code and sign in before the number changes in the app.

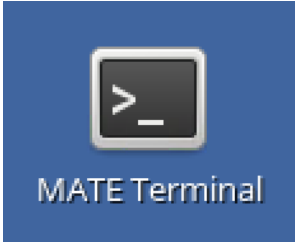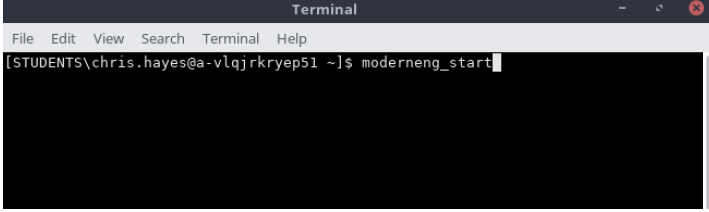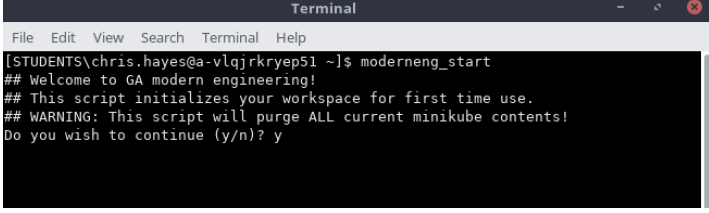|	
	You will see this screen while the client application connects to the hosted VM. In some cases, this may take a couple of minutes if the VM has auto-stopped. The VMs are set to auto-stop after an hour of inactivity.
	When the VM loads, the client will make the virtual desktop available in a window which looks like this.

Initialization Script

Internal components used for the course (including *docker* and *minikube*) need to be initialized. You will complete this process using a script that is available on your VM. The script is named **moderneng_start**. You only need to use this command *once*.

	Open your terminal. You can do this by double-clicking on MATE Terminal on the desktop.

Terminal — ⤢ ❌ File Edit View Search Terminal Help [STUDENTS\chris.hayes@a-vlqjrkryep51 ~]$ moderneng_start	Once the prompt is open, type *moderneng_start*. Press **return**.
Terminal — ⤢ ❌ File Edit View Search Terminal Help [STUDENTS\chris.hayes@a-vlqjrkryep51 ~]$ moderneng_start ## Welcome to GA modern engineering! ## This script initializes your workspace for first time use. ## WARNING: This script will purge ALL current minikube contents! Do you wish to continue (y/n)? y	The command will initialize and prompt the user to approve the staging operations. Press **y** or **Y**, and then **return**, to start the process. **WARNING**: This script purges any/all existing minikube contents, and as such is only intended to be performed *once* as a new user, or if the intention is to immediately *delete* and *purge* all minikube contents. This cannot be undone.
	Once the process is complete, you may **exit** or continue with regular coursework or other operations.

Setup Complete

Once you have finished the following tasks, your VM is ready:

1. Performed the Okta setup process
2. Signed in to your workspace
3. Executed the one-time initialization script

![General Assembly logo] **GENERAL ASSEMBLY**

Troubleshooting

Please refer to the following sections for troubleshooting topics.

Locked Desktop

If you are connected to your VM but stop working on it for several minutes, the desktop will lock for security purposes. To unlock the desktop, you will need to enter your password and click the "Unlock" button.
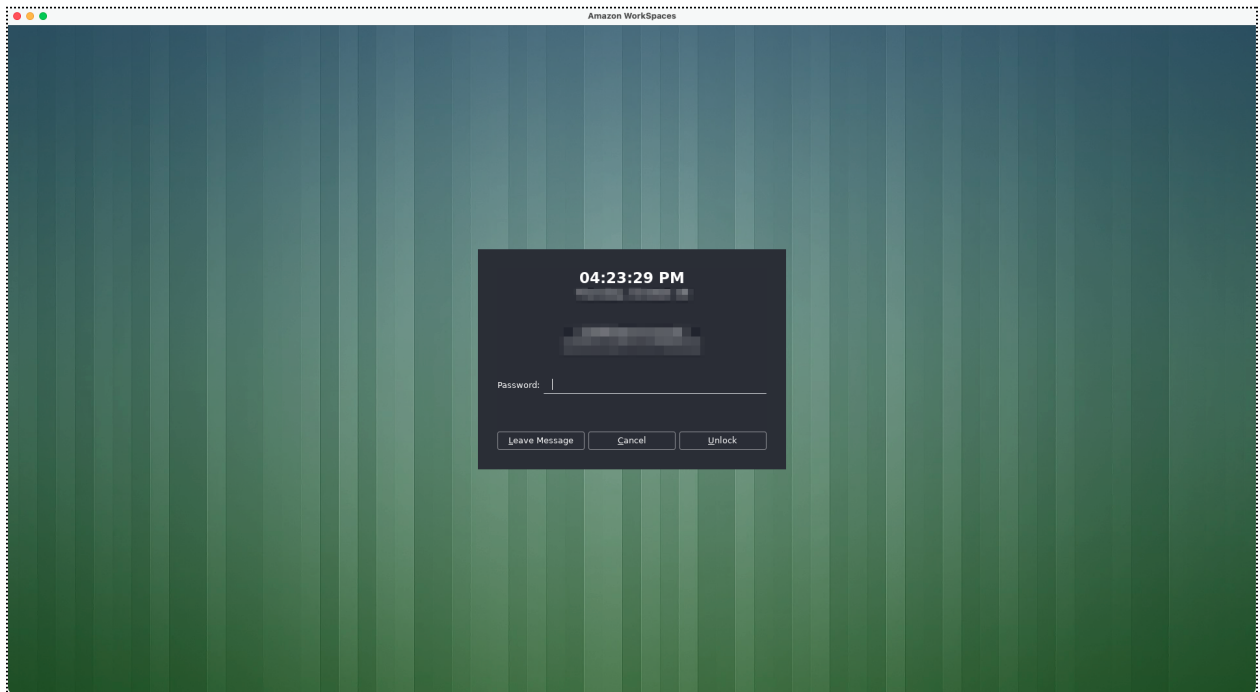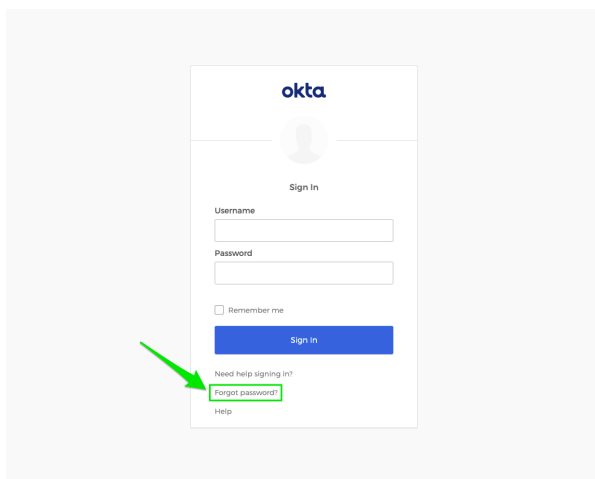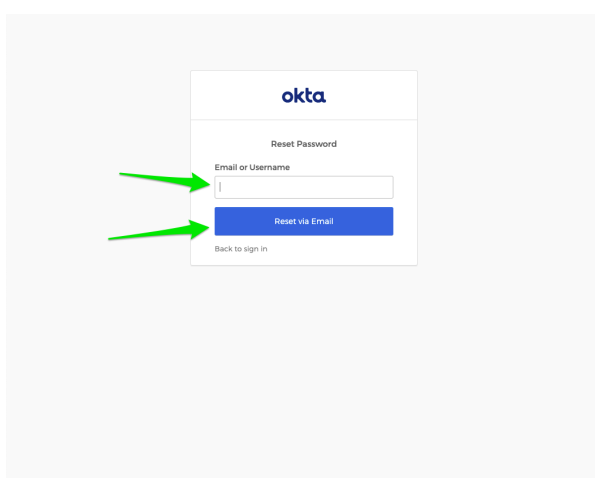

Resetting Your Password

Resetting your password is a self-service operation. Since Okta is used to manage your user account, you must perform the password reset flow using the Okta site.

![GA GENERAL ASSEMBLY]
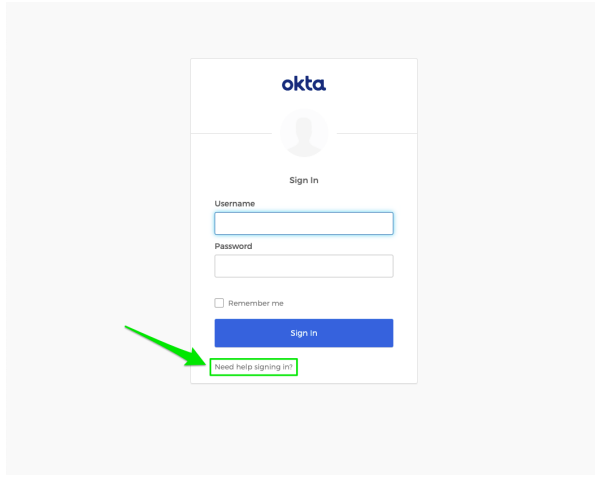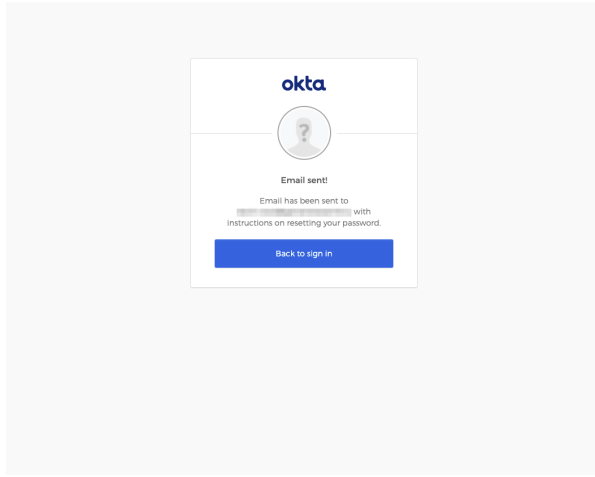
Select "Need help signing in?"

Select "Forgot password?"

Enter the email address for your user account.

Select "Reset via Email".

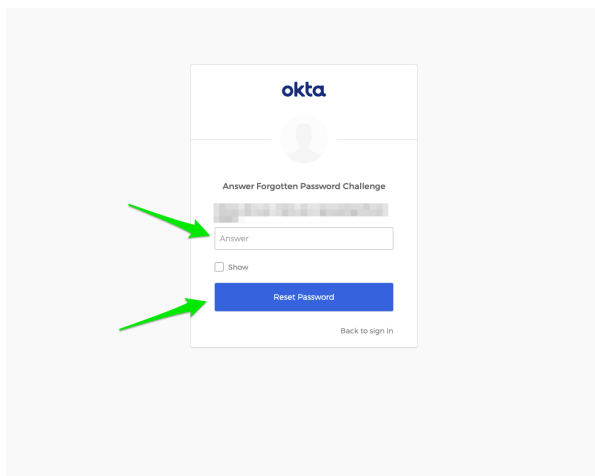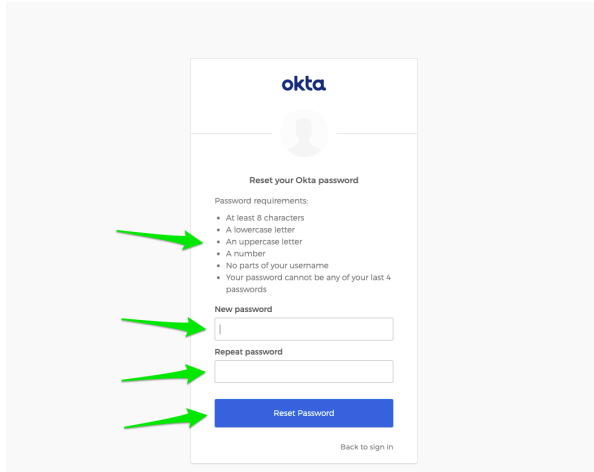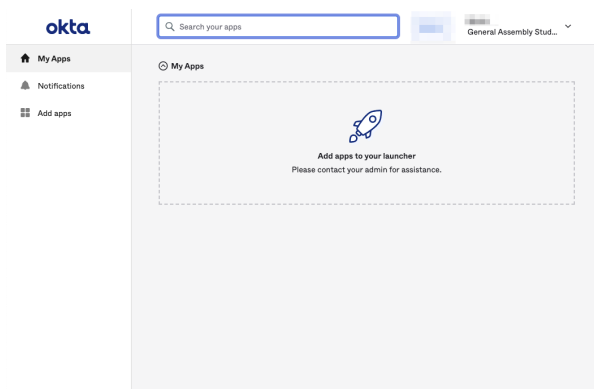|	You will see this page.
	Check your email. You will see an email similar to the one shown here. Select "Reset Password".
	Answer the security challenge question using the response you entered when setting your account up. Select "Reset Password". By default, your answer is not visible, similar to when you enter a password. Select the "Show" checkbox to make your response visible.
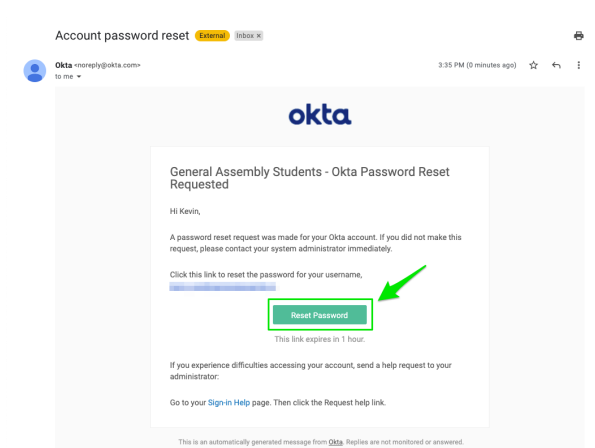
Review the password requirements.

Enter a new password and then repeat the new password in the second text box.

Select "Reset Password"

This completes the password reset process.

You will see the screen shown here.

You can now use the new password you created to sign in to your Amazon Workspace VM.

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Disconnected Client

If you experience network connectivity issues, you may see a screen which looks like this. If the client does not reconnect automatically, you can select the "Back to login page" link and log in again.

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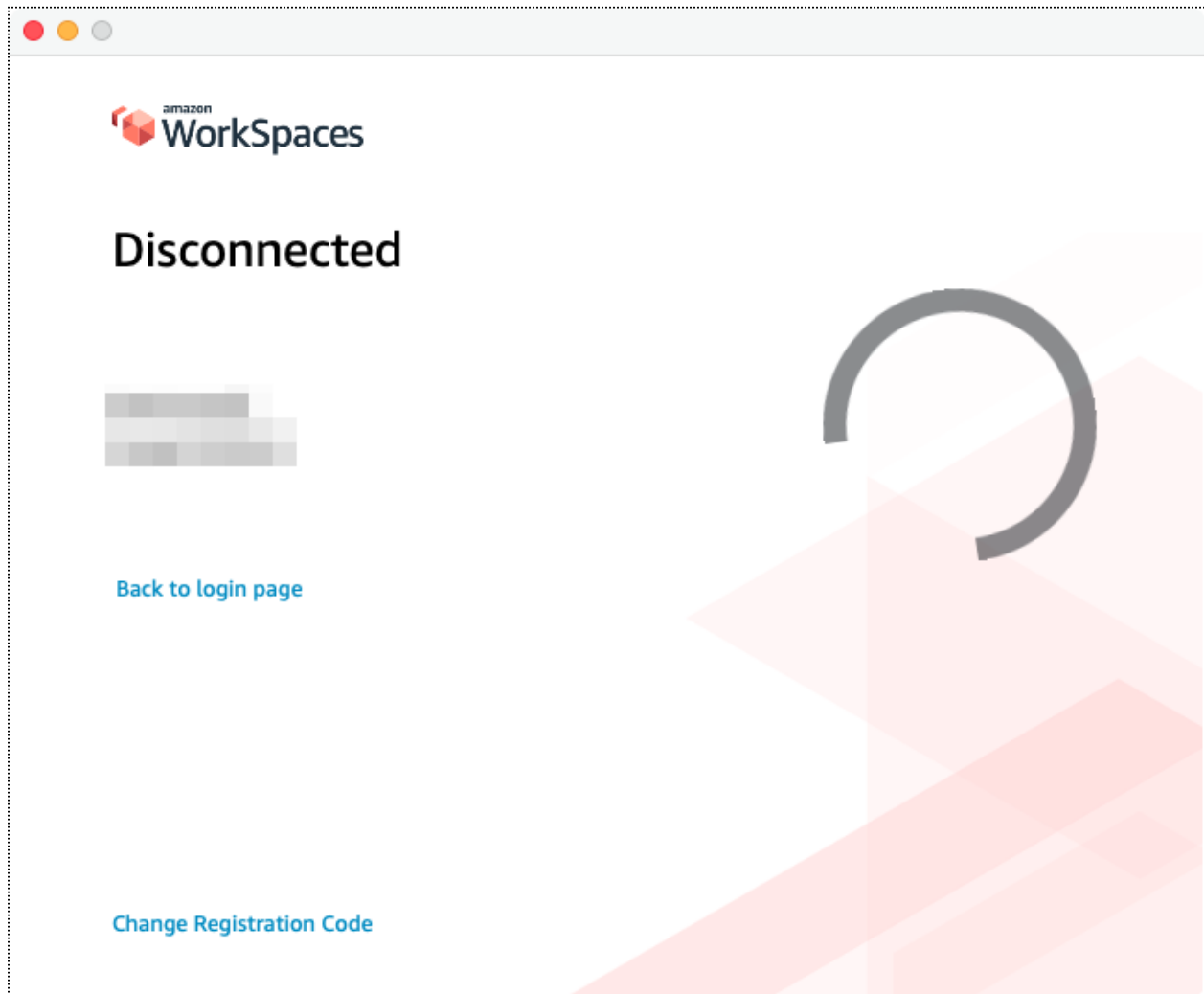
Unknown Error Occurred

You may see this screen when connecting to your VM. If you do, select "Reconnect" to try again. If any connectivity issues persist, please contact your instructor.