

 Edit



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## Create a Challenge Lab

---

### Challenge Overview

#### Understand the scenario

You are a New Lab Developer at Skillable, an organization that helps convert current training into challenge centric learning. You will create your first Challenge Lab. First, clone a Challenge Lab template, and then you will create the Title and Overview. Next, you will create 3 sets of Requirements, and then you will create the tasks for each set of Requirements. Next, you will create both Guided and Advanced Hints for the Tasks in Requirement 1, and then you will create a Summary page. Finally, you will add a scoring script to a task in Requirement 1, and then you will launch your new Challenge Lab.

#### Navigating the Challenge Lab

Unable to process content from <https://raw.githubusercontent.com/LODSContent/Challenge-V3-Framework/main/Templates/Environments/None.md>

- ⓘ ▼ Quick tips for navigating the Challenge Lab instructions.
  - ⓘ Select the Copy to Clipboard icon to copy the green text.
  - ⓘ Select the Type Text icon to insert the green text directly into the Challenge Lab environment.

ⓘ An Alert tells you that a task requires extra care.

ⓘ A Note provides additional helpful information for completing a task.

ⓘ A Hint will guide you through a portion of the Challenge Lab.

ⓘ A Knowledge block provides a deeper level of knowledge into a subject. It is a great way to solidify your understanding, but it is not strictly necessary to complete the Challenge Lab.

New to Challenge Labs? [Click here to learn more.](#)

## Clone the template

Hints Enabled

No  Yes



- In the following text box, enter the **Email Address** for the account you created in Skillable Studio:

**Email/Account Name**

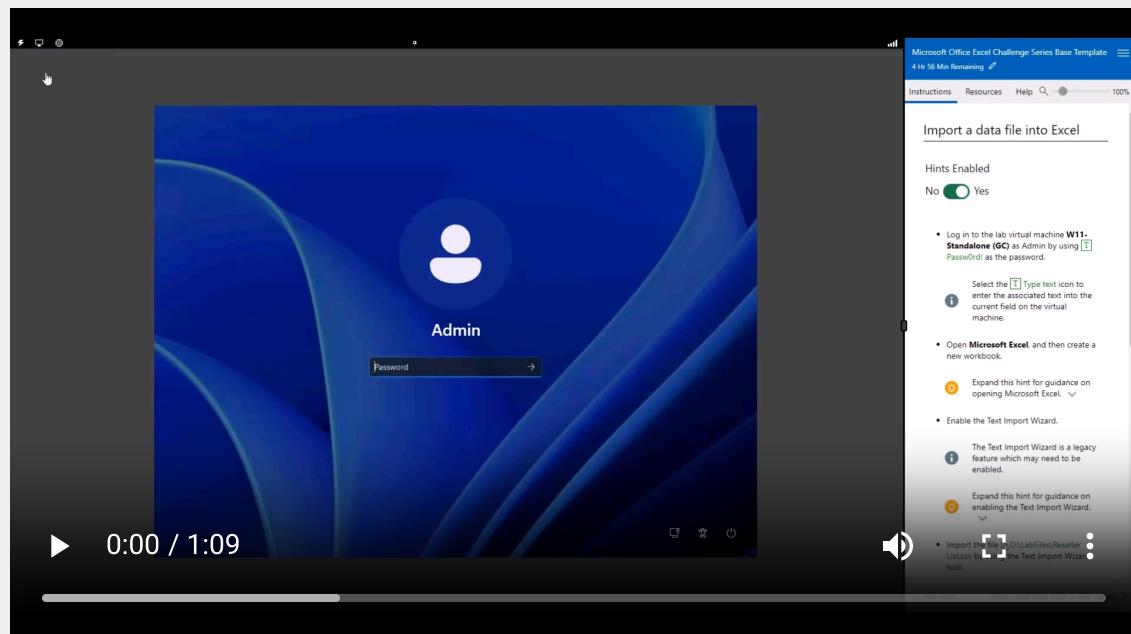
- In the following text box, enter the **Password** for the user account you created in Skillable Studio:

**Password**

- Sign in to Win-11 as  Admin by using  Passw0rd! as the password.



Expand this hint for guidance on logging in to a Virtual Machine (VM):



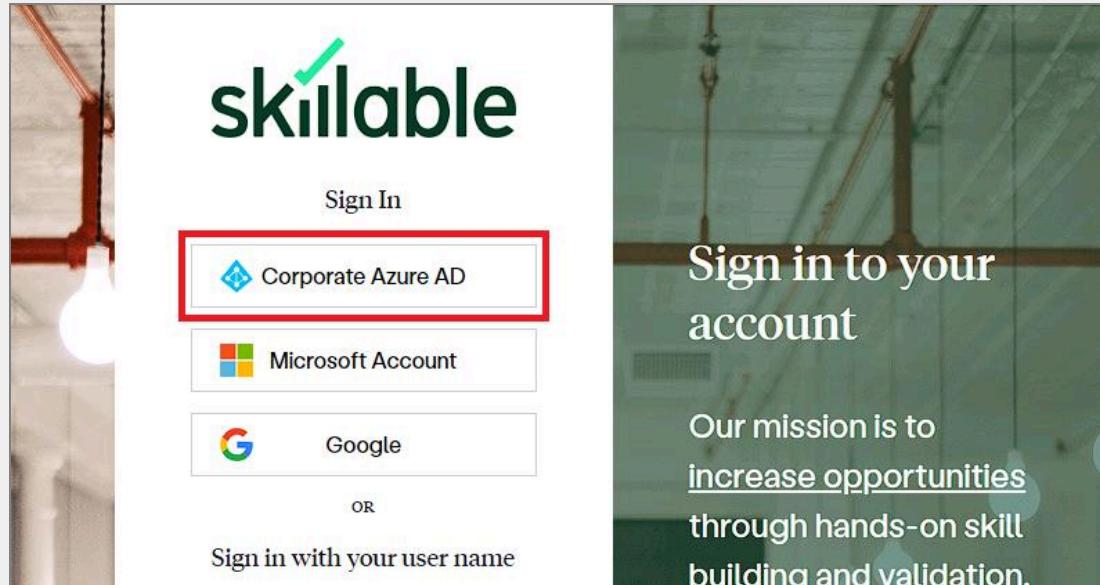
 Select the  Type Text icon to enter the associated text into the virtual machine.

- Open **Microsoft Edge**, go to  <https://labondemand.com/>, and then sign as  **<AccountName>** by using  **<Password>** as the password.

 Expand this hint for guidance on signing in to Skillable Studio.



- Open Microsoft Edge, and then go to <https://labondemand.com/>.
- On the Skillable Sign in to your account page, select **Corporate Azure AD**.



- On the Microsoft Sign in page, in Email, phone, or Skype, enter [T <AccountName>](#), and then select **Next**.
- In Enter password, enter [T <Password>](#), and then select **Sign in**.
- If asked to Save password, select **Never**.
- If asked to Approve sign in request, open your Authenticator app, and then enter the number shown to sign in.

The screenshot shows the Skillable User Dashboard. At the top, there's a navigation bar with the Skillable logo, 'Dashboard', 'Admin', 'News', 'Community', 'Help', and a dropdown for 'Damian'. Below the navigation is a 'User Dashboard' section with the title 'User Dashboard'. On the left, there's a 'Lab Profiles' section with a 'Create New' button and a 'Search' button. It shows a single entry under 'Favorites': 'Nothing to display'. On the right, there's a 'Lab Instances' section with a 'Search' button. It lists two entries: 'CLV4-001: Create a Challenge Lab [Guided]' (status: Running..., expires 9/19/2024, 4:45:02 PM) and 'CSST-005: Provision an Azure Database for MySQL Database [Guided] (COPY)' (status: Saved 9/18/2024, 2:35:21 PM, expires 9/20/2024, 2:35:21 PM). At the bottom right, there's a 'Live Chat' button. A sidebar on the right contains a 'Lab Advisor' section with a green circular icon and the text 'Lab Advisor can improve your labs' and a 'View Recommendations' button.



Want to learn more? Review the documentation on [signing in to Skillable Studio](#).

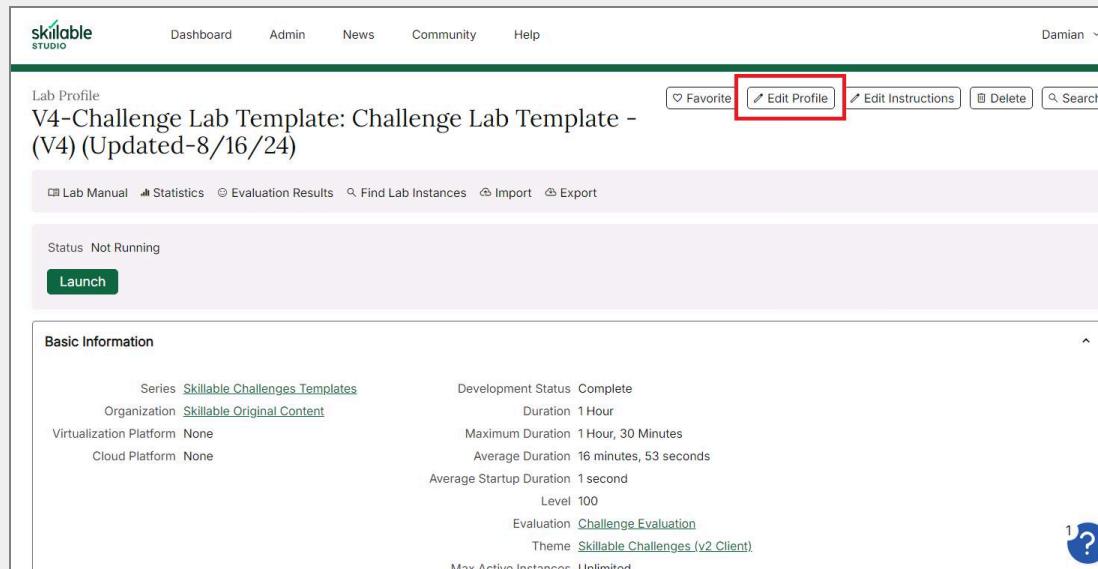
- Clone the V4-Challenge Lab Template located at [T](#) <https://labondemand.com/LabProfile/172603> by using details in the following table. For any property that is not specified, use the default value.

Property	Value
Name	<a href="#">T</a> LAB-001
Property 2	<a href="#">T</a> Configure Threat Intelligence by Using Microsoft Sentinel - Practice Lab [Guided]
Series	<b>Your Sandbox Name</b>
Organization	<b>Skillable Original Content</b>
Clone this lab	<b>Enabled</b>

 Expand this hint for guidance on cloning a Challenge Lab.

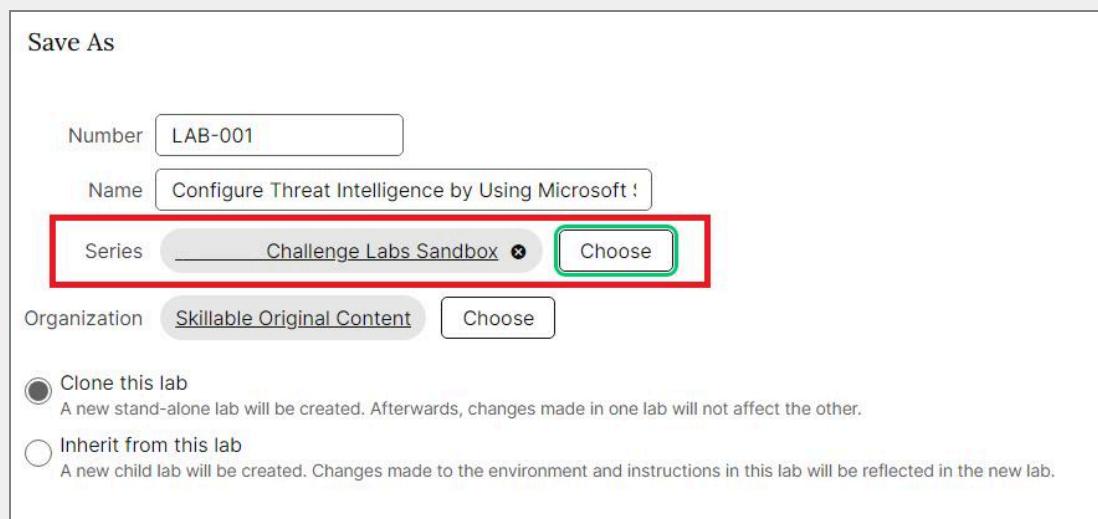
^

- In a new tab, enter  and then press **Enter**.
- On the Skillable Studio Lab Profile page, select **Edit profile**.



The screenshot shows the Skillable Studio interface. At the top, there's a navigation bar with links for Dashboard, Admin, News, Community, and Help, and a user account dropdown for 'Damian'. Below the navigation is a 'Lab Profile' section titled 'V4-Challenge Lab Template: Challenge Lab Template - (V4) (Updated-8/16/24)'. This section includes links for Lab Manual, Statistics, Evaluation Results, Find Lab Instances, Import, and Export. It also shows the status as 'Not Running' and features a 'Launch' button. A 'Basic Information' tab is open, displaying details like Series (Skillable Challenges Templates), Organization (Skillable Original Content), Development Status (Complete), Duration (1 Hour), Maximum Duration (1 Hour, 30 Minutes), Average Duration (16 minutes, 53 seconds), Average Startup Duration (1 second), Level (100), Evaluation (Challenge Evaluation), Theme (Skillable Challenges (v2 Client)), and Max Active Instances (Unlimited). A question mark icon is in the bottom right corner of the main content area.

- On the Edit Lab Profile page, on the Basic Information tab, select **Save as**.
- On the Save As page, in Number, enter , and then in Name, enter .
- In Series, select **Choose**, and then on the Choose Lab Series, search for and select your personal sandbox, and then select **OK**.



The screenshot shows the 'Save As' dialog box. It has fields for 'Number' (LAB-001), 'Name' (Configure Threat Intelligence by Using Microsoft !), and 'Series' (Challenge Labs Sandbox, with a 'Choose' button next to it, which is highlighted with a green box). There are also 'Organization' (Skillable Original Content) and 'Choose' buttons. At the bottom, there are two radio buttons: 'Clone this lab' (selected, highlighted with a red box) and 'Inherit from this lab'. A note under 'Clone this lab' says: 'A new stand-alone lab will be created. Afterwards, changes made in one lab will not affect the other.' A note under 'Inherit from this lab' says: 'A new child lab will be created. Changes made to the environment and instructions in this lab will be reflected in the new lab.'

- Ensure that **Clone this lab** is selected, and then select **OK**.



- Your cloned Challenge Lab template should look like the following:

The screenshot shows the Skillable Studio Lab Profile page for LAB-001. The page includes a 'Basic Information' section with details such as Series: [Damian's Challenge Labs Sandbox](#), Organization: [Skillable Original Content](#), Development Status: Complete, Duration: 1 Hour, Maximum Duration: 1 Hour, 30 Minutes, Average Duration: ---, Average Startup Duration: ---, Level: 100, Evaluation: [Challenge Evaluation](#), Theme: [Skillable Challenges \(v2 Client\)](#), and Max Active Instances: Unlimited. There is also a 'Status' section showing 'Not Running' and a 'Launch' button.

Want to learn more? Review the documentation on [cloning a Challenge Lab](#).

**You MUST clone the template before you begin creating your lab!**

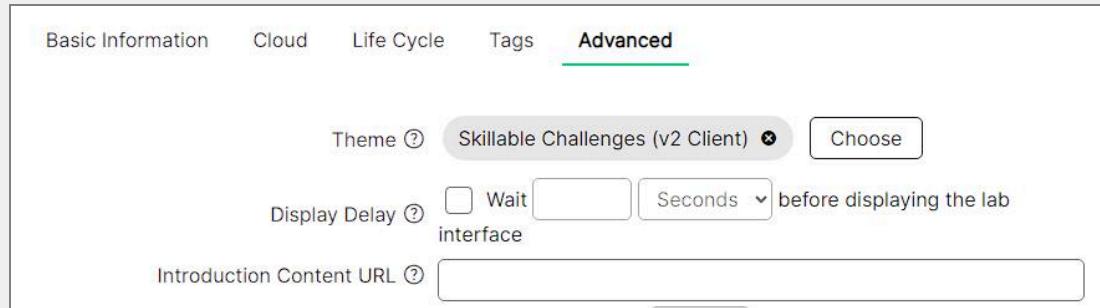
- Verify the **Skillable Challenges (v2 Client)** theme, and then add an Optional Note by using the following:

Changed the theme to Skillable Challenges (v2 Client).

 Expand this hint for guidance on adding an Optional Note to the V4 theme.

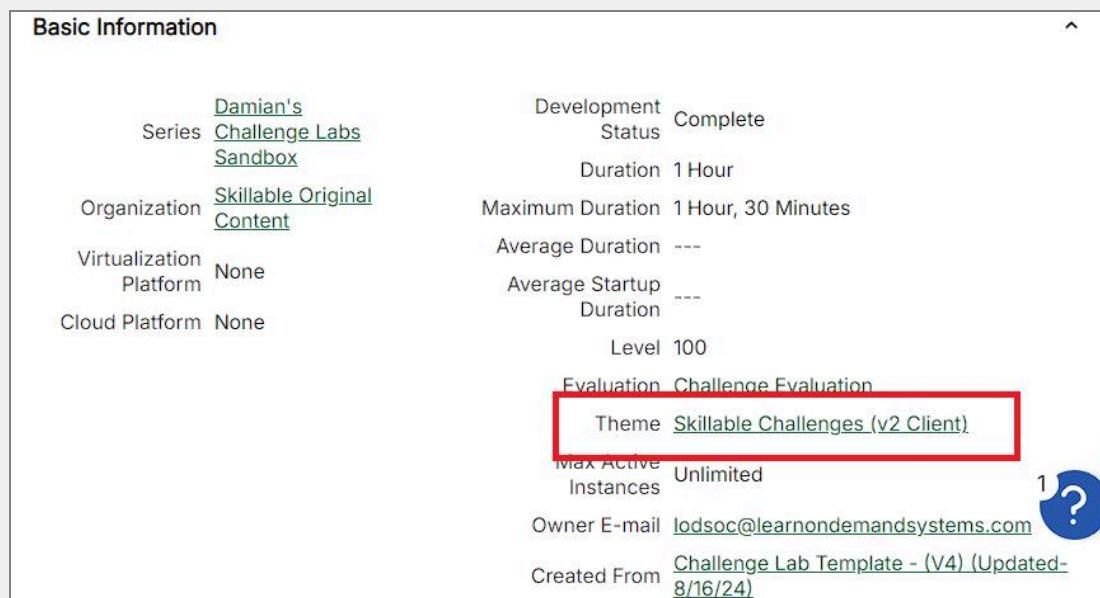


- On the **Lab-001** Lab Profile page, select **Edit Profile**.
- On the Edit Lab Profile page, on the Advanced tab, verify that the Theme is set to **Skillable Challenges (v2 Client)**.
- If the Challenge Lab has a different theme, select **Choose**, and then search for and select **Skillable Challenges (v2 Client)**.



The screenshot shows the 'Advanced' tab of a Lab Profile settings page. The 'Theme' dropdown is set to 'Skillable Challenges (v2 Client)'. Below it, there's a 'Display Delay' section with a checkbox for 'Wait' and a dropdown for 'Seconds'. An 'Introduction Content URL' input field is also present.

- Select **Save**
- In Note (Optional), enter **[T] Changed the theme to Skillable Challenges (v2 Client)**, and then select **OK**.



The screenshot shows the 'Basic Information' tab of a Lab Profile settings page. It displays various details about the lab, including:

- Series: Damian's Challenge Labs Sandbox
- Organization: Skillable Original Content
- Virtualization Platform: None
- Cloud Platform: None
- Development Status: Complete
- Duration: 1 Hour
- Maximum Duration: 1 Hour, 30 Minutes
- Average Duration: ---
- Average Startup Duration: ---
- Level: 100
- Evaluation Type: Challenge Evaluation
- Theme: Skillable Challenges (v2 Client) (highlighted with a red box)
- Max Active Instances: Unlimited
- Owner E-mail: lodsoc@learnondemandsystems.com
- Created From: Challenge Lab Template - (V4) (Updated-8/16/24)

 Want to learn more? Review the documentation on [adding an Optional Note to the V4 theme](#).

 If your new Challenge Lab template is already set to Skillable (V2), you may skip this step.

Check your work

Verify

## Create the Title and Overview

---

Hints Enabled

No  Yes

- Create the Challenge Lab Title by using the following:

 [Configure Threat Intelligence by Using Microsoft Sentinel](#)

 Expand this hint for guidance on creating a Challenge Lab Title. ^

- On the **Lab-001** Lab Profile page, select **Edit Instructions**.



- In the Markdown editor to the left, on line 5, select **Challenge Title Here**, and then in title case, enter **T Configure Threat Intelligence by Using Microsoft Sentinel**.

```
2
3 !INSTRUCTIONS[]
4 (https://raw.githubusercontent.com/LODSContent/Challenge-V3-Framework/main/Templates/Sections/Intro.md)
5 >[challenge-title]: Configure Threat Intelligence by Using Microsoft Sentinel|
6
7 >[overview]:
```

- In the Learner Preview window to the right, your Title should look like the following:



Want to learn more? Review the documentation on [creating a Challenge Lab title](#).

- Create the Challenge Lab Overview by using the following:

- ↳ You are an <GlobalAnalyst> for Skillable, an organization that needs to train employees on how to use Microsoft Sentinel. First, you will create a new resource group, and then you will create a Log Analytics Workspace and add Microsoft Sentinel to the workspace. Next, you will connect Microsoft Sentinel to Azure Activity, and then you will configure Azure Activity logs to stream to a specified Log Analytics workspace. Next, you will create a remediation task to configure Azure Activity logs to stream to the specified workspace, and then you will connect to Microsoft Sentinel Training Lab data. Finally, you will enable Threat Intelligence, and then you will connect a service to provide your data.

 Expand this hint for guidance on creating the Challenge Lab Overview.



- In the Markdown editor, on line 9, select the current Overview placeholder text, and then enter the Overview text from above.

```
7 >[overview]:  
8 >  
9 >You are a @lab.Variable(GlobalDeveloper) at @lab.Variable(GlobalCompany), a company that needs to... First, you will  
[REQUIREMENT 1]. Next, you will [REQUIREMENT 2], and then you will [REQUIREMENT 3]. Finally, you will [REQUIREMENT 4].  
10 >  
11 >
```

- In the Markdown editor to the left, your Overview should look like the following:

```
2 !INSTRUCTIONS[](https://raw.githubusercontent.com/LODSContent/Challenge-V3-Framework/main/Templates/Sections/Intro.md)  
3  
4 >[challenge-title]: Configure Threat Intelligence by Using Microsoft Sentinel  
5  
6 >[overview]:  
7 >  
8 >  
9 You are an <GlobalAnalyst> for Hexelo, an organization that needs to train employees on how to use Microsoft Sentinel. First,  
you will create a new resource group, and then you will create a Log Analytics Workspace and add Microsoft Sentinel to the  
workspace. Next, you will connect Microsoft Sentinel to Azure Activity, and then you will configure Azure Activity logs to  
stream to a specified Log Analytics workspace. Next, you will create a remediation task to configure Azure Activity logs to  
stream to the specified workspace, and then you will connect to Microsoft Sentinel Training Lab data. Finally, you will enable  
Threat Intelligence, and then you will connect a service to provide your data.  
10 >  
11 >  
12  
13 ===  
14 <!-- Sample Markdown Elements - Remove this section for production -->  
15 # Markdown styles that can be used:
```

- In the Learner Preview window to the right, your Overview should look like the following:

# Configure Threat Intelligence by Using Microsoft Sentinel

## Challenge Overview

### Understand the scenario

You are an for Hexelo, an organization that needs to train employees on how to use Microsoft Sentinel. First, you will create a new resource group, and then you will create a Log Analytics Workspace and add Microsoft Sentinel to the workspace. Next, you will connect Microsoft Sentinel to Azure Activity, and then you will configure Azure Activity logs to stream to a specified Log Analytics workspace. Next, you will create a remediation task to configure Azure Activity logs to stream to the specified workspace, and then you will connect to Microsoft Sentinel Training Lab data. Finally, you will enable Threat Intelligence, and then you will connect a service to provide your data.



Want to learn more? Review the documentation on [creating a Challenge Lab title](#).



Notice that on line 9, the **GlobalAnalyst** job role is not appearing in the in the Markdown editor to the right. This is because we need to add the variable to the **Tokens, Variables, & Replacements** section.

### Variables

- Create the Job Role.

 Expand this hint for guidance on creating the Job Role.

- In the Markdown editor, on the Menu bar at the top of the screen, select the **@lab** icon.



- In the @lab options window, select the Variables tab, and then in Token, select and copy the <GlobalAnalyst> token, and then select OK.

Tokens	Variables	Replacements
Name	Value	Token
difficulty	Advanced	@lab.Variable(difficulty)
cloudEnvironment	CloudSlice	@lab.Variable(cloudEnvironment)
GlobalCompany	Hexelo	@lab.Variable(GlobalCompany)
GlobalAdministrator	Administrator	@lab.Variable(GlobalAdministrator)
GlobalAnalyst	Analyst	@lab.Variable(GlobalAnalyst)
GlobalArchitect	Architect	@lab.Variable(GlobalArchitect)
GlobalDataScientist	Data Scientist	@lab.Variable(GlobalDataScientist)
GlobalDeveloper	Developer	@lab.Variable(GlobalDeveloper)
GlobalDataEngineer	Data Engineer	@lab.Variable(GlobalDataEngineer)
GlobalDevOpsEngineer	DevOps Engineer	@lab.Variable(GlobalDevOpsEngineer)
GlobalSecurityEngineer	Security Engineer	@lab.Variable(GlobalSecurityEngineer)
GlobalIntroduction		@lab.Variable(GlobalIntroduction)

- In the Markdown editor, on line 9, select the job role, and then replace it with the Token you just copied.

```
6  
7 >[overview]:  
8 >  
9 You are an @lab.Variable(GlobalAnalyst) for Hexelo, an organization that needs to train employees  
Sentinel. First, you will create a new resource group, and then you will create a Log Analytics Wo  
Sentinel to the workspace. Next, you will connect Microsoft Sentinel to Azure Activity, and then y  
Activity logs to stream to a specified Log Analytics workspace. Next, you will create a remediation  
Activity logs to stream to the specified workspace, and then you will connect to Microsoft Sentine  
you will enable Threat Intelligence, and then you will connect a service to provide your data.  
10 >
```

- In the Learner Preview window to the right, your Overview should look like the following:

## Understand the scenario

You are an Analyst for Hexelo, an organization that needs to train employees on how to use Microsoft Sentinel. First, you will create a new resource group, and then you will create a Log Analytics Workspace and add Microsoft Sentinel to the workspace. Next, you will connect Microsoft Sentinel to Azure Activity, and then you will configure Azure Activity logs to stream to a specified Log Analytics workspace. Next, you will create a remediation task to configure Azure

- Notice that the **Analyst** job role now appears in the Learner Preview window.

 There are several other job roles to choose from, however, for the purpose of this lab, we have chosen the Analyst job role.

GlobalCompany	Hexelo
GlobalAdministrator	Administrator
GlobalAnalyst	Analyst
GlobalArchitect	Architect
GlobalDataScientist	Data Scientist
GlobalDeveloper	Developer
GlobalDataEngineer	Data Engineer
GlobalDevOpsEngineer	DevOps Engineer
GlobalSecurityEngineer	Security Engineer
GlobalIntroduction	

Want to learn more? Review the documentation on [creating the Job Role](#).

- Change the Company name from Hexelo to  New Company.

 Expand this hint for guidance on changing the Company name.



- In the Markdown editor, on the Menu bar at the top of the screen, select the **@lab** icon.
- In the **@lab** options window, select the Variables tab, and then in Name, locate **GlobalCompany**.
- In Value, select **Hexelo**, and then enter **T New Company**.

Name	Value	
difficulty	Advanced	@lab.Variable(difficulty)
cloudEnvironment	CloudSlice	@lab.Variable(cloudEnvironment)
GlobalCompany	New Company	@lab.Variable(GlobalCompany)
GlobalAdministrator	Administrator	@lab.Variable(GlobalAdministrator)
GlobalAnalyst	Analyst	@lab.Variable(GlobalAnalyst)

- In Token, select and copy the **Skippable** token, and then select **OK**.

Name	Value	Token	
difficulty	Advanced	@lab.Variable(difficulty)	 
cloudEnvironment	CloudSlice	@lab.Variable(cloudEnvironment)	 
GlobalCompany	New Company	@lab.Variable(GlobalCompany)	 
GlobalAdministrator	Administrator	@lab.Variable(GlobalAdministrator)	 

- In the Markdown editor, on line 9, select **Hexelo**, and then replace it with the Token you just copied.

```

7 >[overview]:
8 >
9 You are an @lab.Variable(GlobalAnalyst) for @lab.Variable(GlobalCompany), an organization that
to use Microsoft Sentinel. First, you will create a new resource group, and then you will create
add Microsoft Sentinel to the workspace. Next, you will connect Microsoft Sentinel to Azure Active
configure Azure Activity logs to stream to a specified Log Analytics workspace. Next, you will

```

- Notice that the Company name has been updated to display **New Company** as the new company name.

## Understand the scenario

You are an Analyst for New Company, an organization that needs to train employees on how to use Microsoft Sentinel. First, you will create a new resource group, and then you will create a Log Analytics Workspace and add Microsoft Sentinel to the workspace. Next, you will connect Microsoft Sentinel to Azure Activity, and then you will configure Azure Activity logs to stream to a specified Log Analytics workspace. Next, [you will create a remediation task to configure Azure](#)



Want to learn more? Review the documentation on [changing the Company name](#).

- Change the Challenge Lab from Advanced to T Guided.

 Expand this hint for guidance on changing the lab difficulty level.



- In the Markdown editor, on the Menu bar at the top of the screen, select the **@lab** icon.
- In the **@lab** options window, select the Variables tab, and then in Name, locate **difficulty**.
- In Value, select **Advanced**, enter **Guided**, and then select **OK**.

Name	Value	Token
difficulty	Guided	@lab.Variable(difficulty)
cloudEnvironment	CloudSlice	@lab.Variable(cloudEnvironment)
GlobalCompany	New Company	@lab.Variable(GlobalCompany)

- Notice that the Challenge Lab logo has been updated to display the Guided logo.



Want to learn more? Review the documentation on [changing the lab difficulty level](#).

Check your work

Verify

## Create the Requirements

---

Hints Enabled

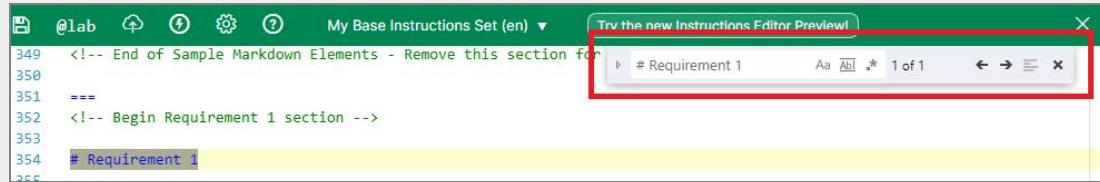
No  Yes

- Create a Requirement named T # Add Microsoft Sentinel to a workspace.

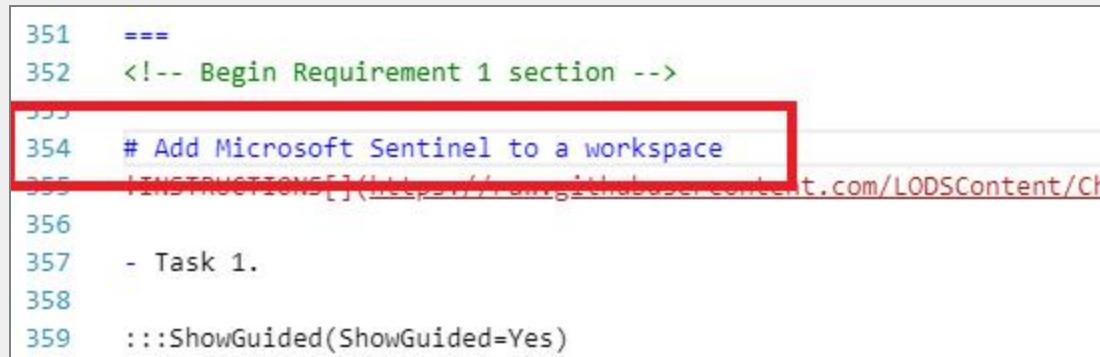
 Expand this hint for guidance on creating a new Requirement.



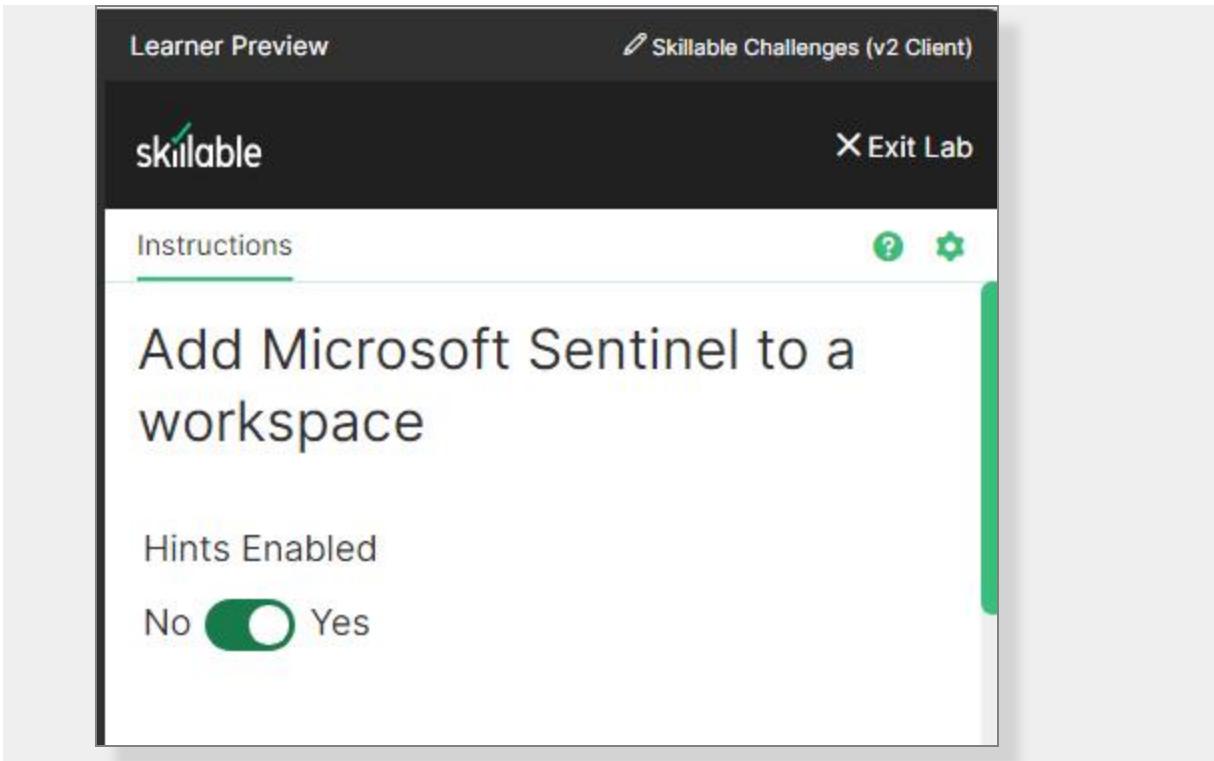
- Press **Ctrl+F** to open the **Find** dialog, and then enter **T # Requirement 1**.



- In the Markdown editor, on line #354, select **# Requirement 1**, and then enter **T # Add Microsoft Sentinel to a workspace**.



- In the Learner Preview window, select **Next**, and then on the Markdown styles that can be used page, select **Next** again.
- In the Variables window, select **Next**, and then notice that Requirement 1 now displays **Add Microsoft Sentinel to a workspace**.



 Want to learn more? Review the documentation on [creating a new Requirement](#). Click here for more information.

- Create a second Requirement named T # Enable a Data Connector.

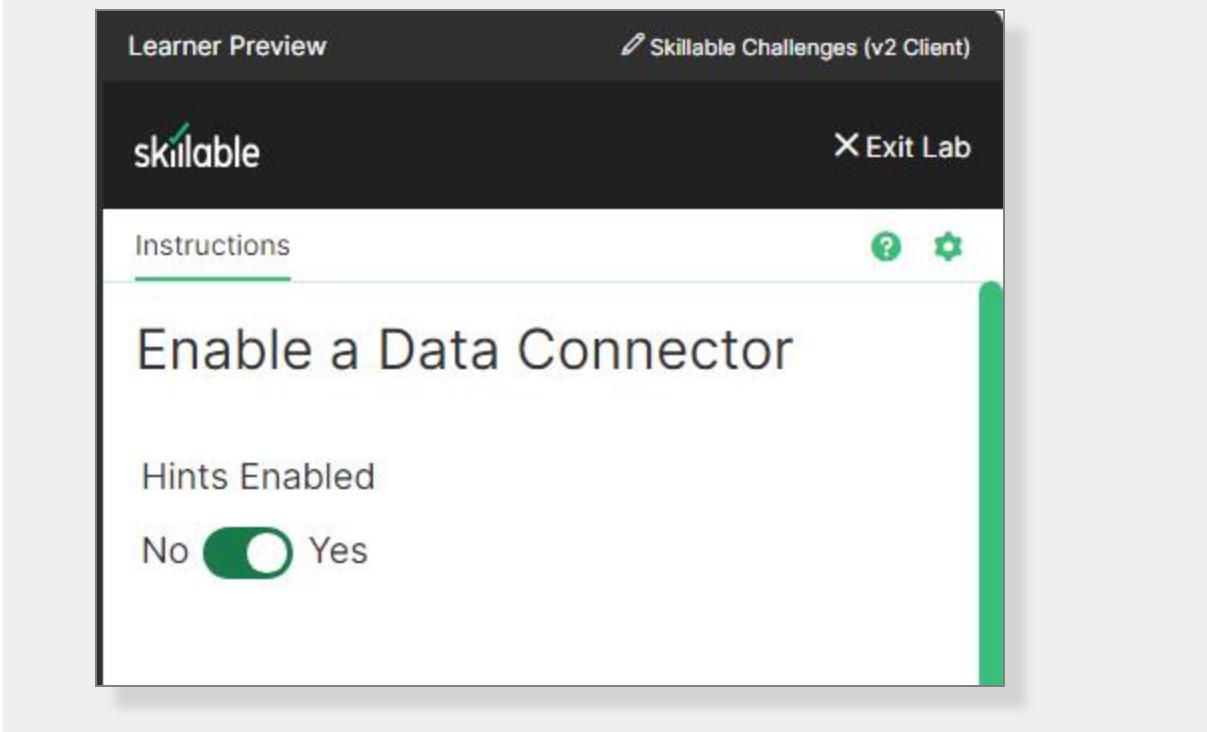
 Expand this hint for guidance on creating a new Requirement.



- In the **Find** dialog, enter **T** # Requirement 2.
- In the Markdown editor, select **# Requirement 2**, and then enter **T** # Enable a Data Connector.

```
423 ===
424 <!-- Begin Requirement 2 section -->
425
426 # Enable a Data Connector
427
428 !INSTRUCTIONS[]
429 (https://raw.githubusercontent.com/LODSContent/Chall
430 - Task 1.
431
```

- In the Learner Preview window, select **Next**, and then notice that Requirement 2 now displays **Enable a Data Connector**.

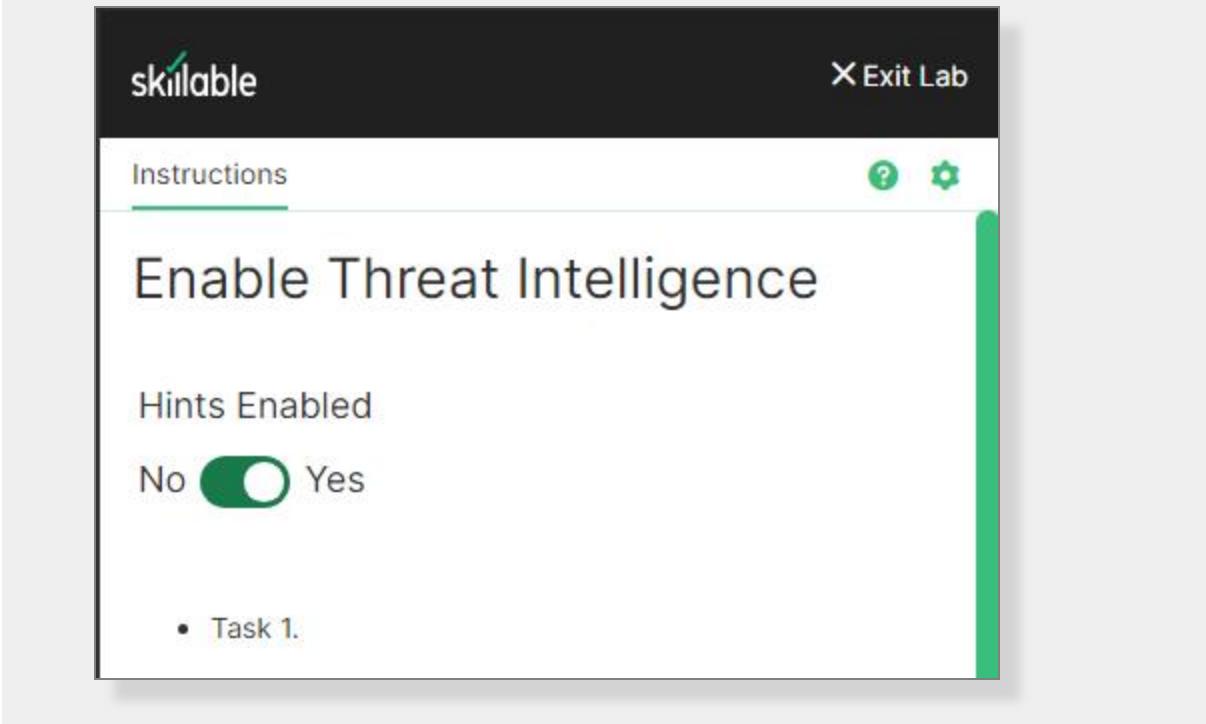


- Create a third Requirement named **T** # Enable Threat Intelligence.

 Expand this hint for guidance on creating a new Requirement.

^

- In the **Find** dialog, enter  # Requirement 3.
- In the Markdown editor, select **# Requirement 3**, and then enter  # Enable Threat Intelligence.
- In the Learner Preview window, select **Next**, and then notice that Requirement 3 now displays **Enable Threat Intelligence**.



- Remove the remaining Requirement sections from the template.

 Expand this hint for guidance on removing the remaining Requirement sections.



- In the **Find** dialog, enter  **Begin Requirement 4 section**.
- In the Markdown editor select the line that says **!-- Begin Requirement 4 section --**, hold down shift, scroll down to **!--End Requirement 6 section--**, and then press **Delete**.

```

569 - Task 1.
570
571 ::::ShowGuided(ShowGuided=Yes)
572 >[+hint] Expand this hint for guidance on...
573 >
574 > There must be at least one blank line before the expandable content.
575 >
576 > Hints will be hidden when hints are off.
577 >
578 :::
579
580 ::::ShowAdvanced(ShowAdvanced=Yes)
581 >[!knowledge] Want to learn more? Review the documentation on \[creating Task #\]\(https://docs.microsoft.com/ "Create Task # Guidance"\). Knowledge items are hidden when hints are off.
582 :::
583
584 - Task 2.
585
586 - Task 3.
587
588 ::::ShowActivity(ShowActivity=Yes)
589 ## Check your work
590 :::
591
592 @lab.ActivityGroup(requirement6)
593
594 !INSTRUCTIONS[]
\(https://raw.githubusercontent.com/LODSContent/Challenge-V3-Framework/main/Templates/Sections/Footer.md\)
595
596
597 <!-- End Requirement 6 section -->
598 ===
599 <!-- Begin Summary section -->
```

- In the Markdown editor, your template should look like the following:

```

490
491 <!-- End Requirement 3 section -->
492 ===
493
494 ===
495 <!-- Begin Summary section -->
496
497 !INSTRUCTIONS[]
```

- Select either set of **====**, and then press **Delete**.

```

490
491 <!-- End Requirement 3 section -->
492 ===
493
494
495 <!-- Begin Summary section -->
496
```

- In the Learner Preview window, select **Next**, and then verify that you are on the **Summary** page.

Check your work

Verify

## Create the tasks for Requirement 1

---

Hints Enabled

No  Yes

- On the **Clone the template** requirement page, create a task instructing learners to sign in to **T** Win-11 as **T** Admin by using **T** Passw0rd! as the password.

 Expand this hint for guidance on creating a new Task.



- In the **Find** dialog, enter **T** # Add Microsoft Sentinel to a workspace.
- Just below the **!INSTRUCTIONS[]** github include link, select - **Task 1.**, and then enter **T** - Sign in to Win-11 as Admin by using Passw0rd!.

```

354 # Add Microsoft Sentinel to a workspace
355
356 !INSTRUCTIONS[](https://raw.githubusercontent.com/LODSContent/Challenge-V3-Framework/main/Templates/Sections/Toggle.md)
357
358 - Sign in to Win-11 as Admin by using Passw0rd!
359

```

- Select **Win-11**, and then replace it with **T** lab.VirtualMachine(Win-11).SelectLink.
- Insert **T** @ directly in front of **lab.VirtualMachine(Win-11).SelectLink**.

```

352 <!-- Begin Requirement 1 section -->
353
354 # Add Microsoft Sentinel to a workspace
355 !INSTRUCTIONS[](https://raw.githubusercontent.com/LODSContent/Challenge-V3-Framework/main/Templates/Sections/Toggle.md)
356
357 - Sign in to **@lab.VirtualMachine(Win-11).SelectLink** as Admin by using Passw0rd!.
358
359 :::ShowGuided(ShowGuided=Yes)
360 >[+hint] Expand this hint for guidance on...
361 >
362 > There must be at least one blank line before the expandable content

```

- Select **Admin**, and then replace it with **T** lab.VirtualMachine(Win-11).Username.
- Insert **T** @ directly in front of **lab.VirtualMachine(Win-11).Username**.
- Insert 3 plus signs directly in front of the @ symbol, and then add another 3 plus signs directly after **Username**, to convert the string to TypeText.

```

352 <!-- Begin Requirement 1 section -->
353
354 # Add Microsoft Sentinel to a workspace
355 !INSTRUCTIONS[](https://raw.githubusercontent.com/LODSContent/Challenge-V3-Framework/main/Templates/Sections/Toggle.md)
356
357 - Sign in to **@lab.VirtualMachine(Win-11).SelectLink** as **@lab.VirtualMachine(Win-11).Username*** by using Passw0rd!.
358
359 :::ShowGuided(ShowGuided=Yes)
360 >[+hint] Expand this hint for guidance on...
361 >
362 > There must be at least one blank line before the expandable content

```

- Select **Passw0rd!**, and then replace it with **T** lab.VirtualMachine(Win-11).Password.
- Insert **T** @ directly in front of **lab.VirtualMachine(Win-11).Password**.
- Insert 3 plus signs directly in front of the @ symbol, and then add another 3 plus signs directly after **Password**, to convert the string to TypeText.

```

350 ***
351 <!-- Begin Requirement 1 section -->
352
353
354 # Add Microsoft Sentinel to a workspace
355 !INSTRUCTIONS[](https://raw.githubusercontent.com/LODSContent/Challenge-V3-Framework/main/Templates/Sections/Toggle.md)
356
357 - Sign in to **@lab.VirtualMachine(Win-11).SelectLink** as ***@lab.VirtualMachine(Win-11).Username*** by using ***@lab.VirtualMachine(Win-11).Password***.
358
359 :::ShowGuided(ShowGuided=Yes)

```

- Your completed Task 1 should look like the following:

## Add Microsoft Sentinel to a workspace

Hints Enabled

No  Yes

- Sign in to `@lab.VirtualMachine(Win-11).SelectLink` as  
`@lab.VirtualMachine(Win-11).Username` by  
using `lab.VirtualMachine(Win-11).Password`.

 Expand this hint for guidance on... 

 Want to learn more? Review the documentation on [creating a new Task](#). Click here for more information.

- Create a second task instructing learners to navigate to `T https://portal.azure.com`, signing in as `T {USERNAME}` by using `T {PASSWORD}` as the password.

 Expand this hint for guidance on creating a new Task.

^

- In the **Find** dialog, enter **T** Task 2.
- Select - **Task 2.**, and then enter **T** - Navigate to <https://portal.azure.com>, and then sign-in as **lab.CloudPortalCredential(User1).Username** by using **lab.CloudPortalCredential(User1).Password** as the password.

```
372 >[!help] Help items are useful for information that relates to using the lab environment or performing a task that is unique to the lab setup. Using these elements can help to break up the hint and knowledge items visually. These items will always be displayed and should not reveal details intended to be suppressed in Advanced or Expert labs.
373 - Navigate to https://portal.azure.com, and then sign-in as lab.CloudPortalCredential(User1).Username by using lab.CloudPortalCredential(User1).Password as the password.
374 :::ShowGuided(ShowGuided=Yes)
375 >[+hint] Expand this hint for guidance on...
376 >
```

- Insert **T** @ directly in front of **lab.CloudPortalCredential(User1).Username**, and then insert **T** @ directly in front of **lab.CloudPortalCredential(User1).Password**.

```
- Navigate to https://portal.azure.com, and then sign-in as @lab.CloudPortalCredential(User1).Username by using @lab.CloudPortalCredential(User1).Password as the password.
```

- Insert 3 plus signs directly in front of each @ symbol, and then add another 3 plus signs directly after **Username** and **Password**, to convert the string to TypeText.

```
displayed and should not reveal details intended to be suppressed in Advanced or Expert labs.
374 - Navigate to https://portal.azure.com, and then sign-in as @@lab.CloudPortalCredential(User1).Username+++ by using ++
375 +@lab.CloudPortalCredential(User1).Password+++ as the password.
376 :::ShowGuided(ShowGuided=Yes)
377 >
```

- Your completed Task 2 should look like the following:

intended to be suppressed in Advanced or Expert labs.

- Navigate to <https://portal.azure.com>, and then sign-in as  
[!@lab.CloudPortalCredential(User1).Username]  
by using  
[!@lab.CloudPortalCredential(User1).Password]  
as the password.

 Expand this hint for guidance on... 

- Create a third task instructing learners to create a new resource group named T **SentinelHexelo-RG** in the **East US region**.

 Expand this hint for guidance on creating a new Task.



- In the **Find** dialog, enter  **Task 3.**
- Select - **Task 3.**, and then enter  - Create a new Resource group named **SentinelHexelo-RG** in the **East US region**.

392  
393  
394

- Create a new Resource group named SentinelHexelo-RG in the East US region.

- Insert 3 plus signs directly before and after **Resource group**, and then add another 3 plus signs directly before and after **SentinelHexelo-RG** to convert the string to TypeText.
- Insert 2 asterisks directly before and after **East US region** to change the text to bold.

392  
393  
394

- Create a new +++Resource group+++ named +++SentinelHexelo-RG+++ in the \*\*East US region\*\*.

- Your completed Task 3 should look like the following:

- Create a new  **Resource group** named  **SentinelHexelo-RG** in the **East US region**.

- Create a fourth task instructing learners to create a  **Log Analytics Workspace** named  **SentinelHexelo-LAW** in the **SentinelHexelo** resource group, by using **East US** as the Region.

 Expand this hint for guidance on creating a new Task.



- In the **Find** dialog, enter **T** ShowActivity(ShowActivity=Yes).
- On the line directly above the ShowActivity variable, type **T** - Create a Log Analytics Workspace named **SentinelHexelo-LAW** in the **SentinelHexelo** resource group, by using **East US** as the **Region**., and then press **Enter** 2 times.

```
410
411 >[!note] Notes are a great for additional information about some aspect of this task in the lab or the topic in
412 general. Using these elements can help to break up the hint and knowledge items visually. These items will always be
413 displayed and should not reveal details intended to be suppressed in Advanced or Expert labs.
414
415 - Create a Log Analytics Workspace named SentinelHexelo-LAW in the SentinelHexelo resource group, by using East US as
416 the Region.
417 :::ShowActivity(ShowActivity=Yes)
418 ## Check your work
419
```

- Convert **Log Analytics Workspace** to TypeText, and then convert **SentinelHexelo-LAW** to TypeText.

```
s intended to be suppressed in Advanced or Expert labs.

ied +++SentinelHexelo-LAW+++ in the +++SentinelHexelo+++ resou
```

- Format **East US region** to bold text.

```
392
393 - Create a new +++Resource group+++ named +++SentinelHexelo-RG+++ in the **East US region**.
394
```

- Your completed Task 4 should look like the following:

- Create a Log Analytics Workspace named **Microsoft Sentinel** in the **SentinelHexelo** resource group, by using **East US** as the **Region**.

- Create a fifth task instructing learners to add **T** Microsoft Sentinel to the **SentinelHexelo-LAW** workspace.

 Expand this hint for guidance on creating a new Task.



- Directly below Task 4, on a new line, enter **T** - Add Microsoft Sentinel to the **SentinelHexelo-LAW workspace**.

```
412
413 - Create a Log Analytics Workspace named +++SentinelHexelo-LAW+++ in the +++SentinelHexelo+++ resource group, by
      using East US as the Region.
414
415 - Add Microsoft Sentinel to the SentinelHexelo-LAW workspace.
416
417 ::::ShowActivity(ShowActivity=Yes)
418 ## Check your work
```

- Convert **Microsoft Sentinel** to TypeText.
- Format **SentinelHexelo-LAW** to bold text.

```
411
412 - Create a Log Analytics Workspace named SentinelHexelo-LAW in the SentinelHexelo resource group, by using East US as the Region.
413 - Add Microsoft +++Sentinel+++ to the **SentinelHexelo-LAW** workspace.
414 ::::ShowActivity(ShowActivity=Yes)
415 ## Check your work
```

- Verify there is a space between Task #4 and Task #5.

```
411
412 - Create a Log Analytics Workspace named SentinelHexelo-LAW in the SentinelHexelo resource group, by using East US as the Region.
413
414 - Add Microsoft +++Sentinel+++ to the **SentinelHexelo-LAW** workspace.
415 ::::ShowActivity(ShowActivity=Yes)
```

- Your completed Task 5 should look like the following:

- Create a Log Analytics Workspace named
  - **SentinelHexelo-LAW** in the
  - **SentinelHexelo** resource group, by using East US as the Region.
- Add Microsoft **Sentinel** to the **SentinelHexelo-LAW** workspace.

**Check your work**

**Check your work**

**Verify**



## Create the tasks for Requirement 2

Hints Enabled

No  Yes

- On the **Enable a Data Connector** requirement page, create a task instructing learners to **T** Connect Microsoft Sentinel to Azure Activity.

```
427 # Enable a Data Connector
428 !INSTRUCTIONS[](https://raw.githubusercontent.com/LODSContent/Chal)
429
430 - Connect Microsoft Sentinel to Azure Activity.
431
432 :::ShowGuided(ShowGuided=Yes)
```

- On the **Enable a Data Connector** requirement page, create a second task instructing learners to **T** Configure Azure Activity logs to stream to the **SentinelHexelo-LAW** workspace, and then add a bold format to **SentinelHexelo-LAW**.

```
444
445 - Configure Azure Activity logs to stream to the **SentinelHexelo-LAW** workspace.
446 |
447 - Task 3.
```

- On the **Enable a Data Connector** requirement page, create a third task instructing learners to **T** Create a remediation task to configure Azure Activity logs to stream to the **SentinelHexelo-LAW** workspace, and then add a bold format to **SentinelHexelo-LAW**.

```
444
445 - Configure Azure Activity logs to stream to the **SentinelHexelo-LAW** workspace.
446
447 - Create a remediation task to configure Azure Activity logs to stream to the **SentinelHexelo-LAW** workspace.
448 |
449 :::ShowActivity(ShowActivity=Yes)
```

- The finished Enable a Data Connector requirement page should look like the following:

- Connect Microsoft Sentinel to Azure Activity.

 Expand this hint for guidance on...

 Want to learn more? Review the documentation on  [creating Task #](#). Knowledge items are hidden when hints are off.

- Configure Azure Activity logs to stream to the **SentinelHexelo-LAW** workspace.
- Create a remediation task to configure Azure Activity logs to stream to the **SentinelHexelo-LAW** workspace.

## Check your work

Verify

## Create the tasks for Requirement 3

---

Hints Enabled

No  Yes

- On the **Enable Threat Intelligence** requirement page, create a task instructing learners to **[T]** Open the content hub.

```
463 !INSTRUCTIONS[](https://raw.githubusercontent.com/L)
464
465 - Open the Content hub.
466
```

- On the **Enable Threat Intelligence** requirement page, create a second task instructing learners to **[T]** Connect to Microsoft Sentinel Training Lab data.

```
479
480 - Connect to Microsoft Sentinel Training Lab data.
481
```

- On the **Enable Threat Intelligence** requirement page, create a third task instructing learners to **[T]** Enable threat intelligence by using the **Threat intelligence-TAXII** data connector and the <https://pulsedive.com/taxii2/api/> API root URL, and then press **Enter** twice:

```
481
482 - Enable Threat Intelligence by using the +++Threat intelligence-TAXII+++ data connector and the following API root URL:
483 +++https://pulsedive.com/taxii2/api/+++
484 ...ShowActivity>ShowActivity=Yes)
485 ## Check your work
```

- In the Task 3 which you just created, convert **Threat intelligence-TAXII** and <https://pulsedive.com/taxii2/api/> to TypeText.

```
- Connect to Microsoft Sentinel Training Lab data.

Enable threat intelligence by using the +++Threat intelligence-TAXII+++ data connector and the ++
+https://pulsedive.com/taxii2/api/+++
API root URL

:::ShowActivity>ShowActivity=Yes)
```

- On the **Enable Threat Intelligence** requirement page, create a fourth task instructing learners to **[T]** - Navigate to <https://pulsedive.com/>, and then connect a service to provide your TAXII data. Use the values in the following table to register an account., and then press **Enter** twice.

```
484
485 - Navigate to https://pulsedive.com/, and then connect a service to provide your TAXII data. Use the values in the following
table to register an account.
486
```

- In Task #4, convert <https://pulsedive.com/> to TypeText.

484  
485 - Navigate to <https://pulsedive.com/>, and then connect a service to provide your TAXII data. Use the values in the following table to register an account.  
486

- Add a table to Task #4 containing the following information:

Property	Value
Email	Your Email
Username	++User1{LAB_INSTANCE_ID}++
Password	++PA{PASSWORD}++
Job Title	++Administrator++
Company or Organization	++Hexelo++

 Expand this hint for guidance on creating a table.



- Directly below Task #4, enter the following:

Property	Value
Email	Your Email
Username	++User1{LAB_INSTANCE_ID}++
Password	++PA{PASSWORD}++
Job Title	++Administrator++
Company or Organization	++Hexelo++

- Your completed table markdown should look like the following:

- Navigate to <https://pulsedive.com/>, and then connect a service the following table to register an account.

Property	Value
Email	Your Email
Username	++User144392668++
Password	++PAD!0e!eB0Dh++
Job Title	++Administrator++
Company or Organization	++Hexelo++

- Select the entire table markdown, and then press **Tab** to indent the markdown to display inline with the Task in the Learner Preview window.

- Navigate to <https://pulsedive.com/>, and then connect a service to provide your TAXII data. Use the values in the following table to register an account.

Property	Value
Email	Your Email
Username	User144392668
Password	PAD!0e!eB0Dh
Job Title	Administrator
Company or Organization	Hexelo

 Want to learn more? Review the documentation on [creating a table](#). Click here for more information.

- ② To indent the table, preceed it with a bulleted item, then indent the table itself. There must be a blank line following the bullet before the table.
- On the **Enable Threat Intelligence** requirement page, create a fourth task instructing learners to **[T] - Add the Collection ID** to configure Threat Intelligence, and then covert the **Collection ID** text to TypeText.

```
486
487 - Add the **Collection ID** to configure Threat Intelligence.
488
```

- On the **Enable Threat Intelligence** requirement page, create a fifth task instructing learners to **[T] Add the API key as the Password to configure Threat Intelligence**, and then apply a bold format to the **API key** text.

```
488
489 - Add the **API key** as the Password to configure Threat Intelligence.
490
```

- The finished Enable Threat Intelligence requirement page should look like the following:

Instructions

- Open the Content hub.

Expand this hint for guidance on...

Want to learn more? Review the documentation on [creating Task #](#). Knowledge items are hidden when hints are off.

- Connect to Microsoft Sentinel Training Lab data.
- Enable Threat Intelligence by using the [Threat intelligence-TAXII](#) data connector and the following API root URL:  
<https://pulsedive.com/taxii2/api/>
- Navigate to <https://pulsedive.com/>, and then connect a service to provide your TAXII data. Use the values in the following table to register an account.
- Add the **Collection ID** to configure Threat Intelligence.
- Add the **API key** as the Password to configure

Check your work

Verify

## Create Guided and Advanced Hints for the Tasks in Requirement 1

---

Hints Enabled

No  Yes

- Create a Guided Hint for the first task of Requirement 1, by using the following:

The screenshot shows a guided hint template. On the left is a small icon of a document with a clipboard. To its right is a code block starting with `:::ShowGuided>ShowGuided=Yes`. Below this is a line with a plus sign and the word "hint": `>[+hint]`. This is followed by the text "Expand this hint for guidance on logging in to a Virtual Machine". There are also arrows pointing left and right at the bottom of the code block.

```
:::ShowGuided>ShowGuided=Yes
>[+hint] Expand this hint for guidance on logging in to a Virtual Machine
>
> !video[Logging in to a Virtual Machine (VM)](https://Lodmanuals.blob.c...)
:::
```

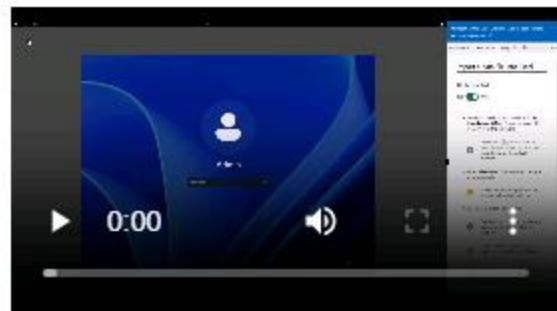
 Expand this hint for guidance on creating a guided hint.



- In Requirement #1, locate Task #1, select the Guided Hint placeholder, and then press **Delete**.
- Enter the Guided Hint text from above.
- In the Learner Preview window, expand the Guided Hint icon, and then verify that the Task #1 Guided Hint looks like the following:

- Sign in to @lab.VirtualMachine(Win-11).SelectLink as  
   by  
  using

 Expand this hint for guidance on logging in to a Virtual Machine (VM):



 Want to learn more? Review the documentation on [creating a guided hint](#).

 There must be at least one blank line before the expandable content.



- Create a Guided Hint for the second task of Requirement 1, by using the following:

 :::ShowGuided(ShowGuided=Yes)  
>[+hint] **Expand this hint** for guidance on signing **in** to the **Azure** portal.  
>  
>- **Open** a **new** browser tab, **and then** go to **https://portal.azure.com**.  
>  
>- **Sign in as** **{USERNAME}** **by using** **{PASSWORD}** **as** the password.  
>  
>- **If** asked to save the password, **select** **Never**.

```
>- If asked to Stay signed in, select **No**.  
>  
>- Close any Welcome pages.  
:::
```



## Expand this hint for guidance on creating a guided hint.



- In Requirement #1, locate Task #2, select the Guided Hint placeholder, and then press **Delete**.

```
- Navigate to https://portal.azure.com, and then sign-in as +@@lab.CloudPortalCredential(User1).Username+++ by using +@@lab.CloudPortalCredential(User1).Password+++ as the password.  
:::ShowGuided(ShowGuided=Yes)  
>[+hint] Expand this hint for guidance on...  
>  
> There must be at least one blank line before the expandable content.  
>  
> Hints will be hidden when hints are off.  
>  
:::  
  
:::ShowAdvanced(ShowAdvanced=Yes)  
>I knowledgel Want to learn more? Review the documentation on [Creating Task #1](https://docs.microsoft.com/ "Create
```

- Enter the Guided Hint text from above.

```
- Navigate to https://portal.azure.com, and then sign-in as +@@lab.CloudPortalCredential(User1).Username+++ by using +@@lab.CloudPortalCredential(User1).Password+++ as the password.  
:::ShowGuided(ShowGuided=Yes)  
>[+hint] Expand this hint for guidance on signing in to the Azure portal.  
>  
>- Open a new browser tab, and then go to +++https://portal.azure.com+++.  
>  
>- Sign in as +++User1-44392668@LODSUATMCA.onmicrosoft.com+++ by using +++D!0e!eB0Dh+++ as the password.  
>  
>- If asked to save the password, select **Never**.  
>  
>- If asked to Stay signed in, select **No**.  
>  
>- Close any Welcome pages.  
>  
>!IMAGE[6s70adzg.jpg](instructions262810/6s70adzg.jpg)  
:::
```

- In the Learner Preview window, expand the Guided Hint icon, and then verify that the Task #2 Guided Hint looks like the following:

- Navigate to <https://portal.azure.com>, and then sign-in as
  - @lab.CloudPortalCredential(User1).Username by using
  - @lab.CloudPortalCredential(User1).Password as the password.

💡 Expand this hint for guidance on signing in to the Azure portal.

- Open a new browser tab, and then go to <https://portal.azure.com>.
- Sign in as
  - User1-  
44392668@LODSUATMCA.onmicrosoft.com by using D!OeleB0Dh as the password.
- If asked to save the password, select Never.
- If asked to Stay signed in, select No.
- Close any Welcome pages.

- Create the Advanced Hint for the second Task of Requirement 1.

📄 :::**ShowAdvanced(ShowAdvanced=Yes)**  
>[!knowledge] Want to learn more? **Review** the documentation on [signing in :::

 Expand this hint for guidance on creating an advanced hint.



- In Requirement #1, locate the Task #2 Guided Hint, select the **Advanced** Hint placeholder just below it, and then press **Delete**.

```
- Navigate to https://portal.azure.com, and then sign-in as +@@lab.CloudPortalCredential(User1).Username+++ by using +@@lab.CloudPortalCredential(User1).Password+++ as the password.  
:::ShowGuided(ShowGuided=Yes)  
>[+hint] Expand this hint for guidance on signing in to the Azure portal.  
>  
>- Open a new browser tab, and then go to +++https://portal.azure.com+++.  
>  
>- Sign in as ++User1-44392668@LODSUATMCA.onmicrosoft.com++ by using ++D!0e!eB0Dh++ as the password.  
>  
>- If asked to save the password, select **Never**.  
>  
>- If asked to Stay signed in, select **No**.  
>  
>- Close any Welcome pages.  
:::  
:::ShowAdvanced(ShowAdvanced=Yes)  
>[!knowledge] Want to learn more? Review the documentation on [creating Task #](https://docs.microsoft.com/ "Create Task # Guidance"). Knowledge items are hidden when hints are off.  
:::
```

- Enter the Advanced Hint text from above.

```
:::ShowAdvanced(ShowAdvanced=Yes)  
>[!knowledge] Want to learn more? Review the documentation on [signing in to the Azure portal]  
(https://azure.microsoft.com/en-us/get-started/azure-portal).  
:::
```

- In the Learner Preview window, review the Advanced Hint, and then verify that the Task #2 Advanced Hint looks like the following:

- Navigate to <https://portal.azure.com>, and then sign-in as
  - @lab.CloudPortalCredential(User1).Username
  - by using
  - @lab.CloudPortalCredential(User1).Password
  - as the password.

 Expand this hint for guidance on signing in to the Azure portal.

 Want to learn more? Review the documentation on [signing in to the Azure portal](#).

 Want to learn more? Review the documentation on [creating an advanced hint](#).

 If there is enough content, a Knowledge block will automatically be expandable. 

- Create a Guided Hint for the third task of Requirement 1, by using the following:

```
 ::::ShowGuided>ShowGuided=Yes)
>[+hint] Expand this hint for guidance on creating a Resource group.
>
>- On the Microsoft Azure home page, in Search resources, services, and d
>
>- On the Resource groups page, select **Create**.
>
>- On the Create a resource group page, select your Subscription, and the
>
>- In Region, select East US, and then select **Review + create**.
>
>- On the Review + create tab, verify that the resource group has passed
::::
```

 Expand this hint for guidance on creating a guided hint.



- In Requirement #1, locate Task #3, select the Guided Hint placeholder, and then press **Delete**.

```
- Create a new +++Resource group+++ named +++SentinelHexelo-RG+++ in the East US region.
```

```
:::ShowGuided(ShowGuided=Yes)
```

```
>[+hint] Expand this hint for guidance on...
```

```
>
```

```
> There must be at least one blank line before the expandable content.
```

```
>
```

```
> Hints will be hidden when hints are off.
```

```
>
```

```
:::
```

- Enter the Guided Hint text from above.

```
- Create a new +++Resource group+++ named +++SentinelHexelo-RG+++ in the East US region.
```

```
:::ShowGuided(ShowGuided=Yes)
```

```
>[+hint] Expand this hint for guidance on creating a Resource group.
```

```
>
```

```
>- On the Microsoft Azure home page, in Search resources, services, and docs (G/), search for and select +++Resource groups+++.
```

```
>
```

```
>- On the Resource groups page, select **Create**.
```

```
>
```

```
>- On the Create a resource group page, select your Subscription, and then in Resource group, enter ++ +SentinelHexelo-RG+++. 
```

```
>
```

```
>- In Region, select East US, and then select **Review + create**.
```

```
>
```

```
>- On the Review + create tab, verify that the resource group has passed validation, and then select **Create**.
```

```
:::|
```

- In the Learner Preview window, expand the Guided Hint icon, and then verify that the Task #3 Guided Hint looks like the following:

- Create a new **Resource group** named **SentinelHexelo-RG** in the East US region.

💡 Expand this hint for guidance on creating a Resource group.

- On the Microsoft Azure home page, in Search resources, services, and docs (G+ /), search for and select **Resource groups**.
- On the Resource groups page, select **Create**.
- On the Create a resource group page, select your Subscription, and then in Resource group, enter **SentinelHexelo-RG**.
- In Region, select East US, and then select **Review + create**.
- On the Review + create tab, verify that the resource group has passed validation, and then select **Create**.

- Create the Advanced Hint for the third Task of Requirement 1.

📄 :::**ShowAdvanced(ShowAdvanced=Yes)**  
>[!knowledge] **Want** to learn more? **Review** the documentation on [creating a  
:::

 Expand this hint for guidance on creating an advanced hint.

^

- In Requirement #1, locate the Task #3 Guided Hint, select the **Advanced** Hint placeholder just below it, and then press **Delete**.

```
:::ShowAdvanced(ShowAdvanced=Yes)
>[!knowledge] Want to learn more? Review the documentation on [creating Task #](https://docs.microsoft.com/ "Create Task # Guidance"). Knowledge items are hidden when hints are off.
```

```
:::
```

- Enter the Advanced Hint text from above.

```
:::ShowAdvanced(ShowAdvanced=Yes)
>[!knowledge] Want to learn more? Review the documentation on [creating a resource group](https://learn.microsoft.com/en-us/azure/sentinel/prerequisites).
```

```
:::
```

- In the Learner Preview window, review the Advanced Hint, and then verify that the Task #2 Advanced Hint looks like the following:

- Create a new  Resource group named  SentinelHexelo-RG in the East US region.

 Expand this hint for guidance on creating a Resource group.

 Want to learn more? Review the documentation on  creating a resource group.

- Create a Guided Hint for the fourth task of Requirement 1, by using the following:

```
 :::ShowGuided(ShowGuided=Yes)
>+[+hint] Expand this hint for guidance on creating a Log Analytics Workspace.
>
>- On the Resource groups page, select **SentinelHexelo-RG**.
>
>- On the SentinelHexelo-RG overview page, select **Create**.
>
>- On the Azure Marketplace page, in Search resources, services, and docs
>
>- On the Log Analytics Workspace page, select **Create**.
```

```
>
>- On the Create Log Analytics workspace page, on the Basics tab, select
>
>- In Instance details, in Name, enter +++SentinelHexelo-LAW+++, and then
>
>- Select Review + create, verify that the Log Analytics Workspace has pa
>
>- Once deployment is complete, select **Go to resource**.
:::
```



 Expand this hint for guidance on creating a guided hint.



- Locate Task #4, press Enter twice, and then enter the Guided Hint text from above.

```
- Create a Log Analytics Workspace named +++SentinelHexelo-LAW+++ in the +++SentinelHexelo+++ resource group, by using East US as the Region.  
:::ShowGuided(ShowGuided=Yes)  
>[+hint] Expand this hint for guidance on creating a Log Analytics Workspace.  
>  
>- On the Resource groups page, select **SentinelHexelo-RG**.  
>  
>- On the SentinelHexelo-RG overview page, select **Create**.  
>  
>- On the Azure Marketplace page, in Search resources, services, and docs (G+/), search for and select Log Analytics Workspace.  
>  
>- On the Log Analytics Workspace page, select **Create**.  
>  
>- On the Create Log Analytics workspace page, on the Basics tab, select your Subscription, and then in Resource group, select **SentinelHexelo-RG**.  
>  
>- In Instance details, in Name, enter +++SentinelHexelo-LAW++, and then in Region, select **East US**.  
>  
>- Select Review + create, verify that the Log Analytics Workspace has passed validation, and then select **Create**.  
>  
>- Once deployment is complete, select **Go to resource**.  
:::
```

- In the Learner Preview window, expand the Guided Hint icon, and then verify that the Task #4 Guided Hint looks like the following:

- Create a Log Analytics Workspace named `SentinelHexelo-LAW` in the `SentinelHexelo` resource group, by using East US as the Region.

💡 Expand this hint for guidance on creating a Log Analytics Workspace.

- On the Resource groups page, select `SentinelHexelo-RG`.
- On the `SentinelHexelo-RG` overview page, select **Create**.
- On the Azure Marketplace page, in Search resources, services, and docs (G+ /), search for and select `Log Analytics Workspace`.
- On the Log Analytics Workspace page, select **Create**.
- On the Create Log Analytics workspace page, on the Basics tab, select your Subscription, and then in Resource group, select `SentinelHexelo-RG`.

- Create the Advanced Hint for the fourth Task of Requirement 1.



`:::ShowAdvanced(ShowAdvanced=Yes)`  
>[!knowledge] Want to learn more? **Review** the documentation on [creating a

 Expand this hint for guidance on creating an advanced hint.



- In Requirement #1, locate the Task #4 Guided Hint, and then press **Enter** twice.
- Enter the Advanced Hint text from above.

```
:::ShowAdvanced(ShowAdvanced=Yes)
>[!knowledge] Want to learn more? Review the documentation on [creating a Log Analytics Workspace]
(https://learn.microsoft.com/en-us/azure/sentinel/best-practices-workspace-architecture).
:::
```

- In the Learner Preview window, review the Advanced Hint, and then verify that the Task #2 Advanced Hint looks like the following:

- Create a Log Analytics Workspace named  SentinelHexelo-LAW in the  SentinelHexelo resource group, by using East US as the Region.

 Expand this hint for guidance on creating a Log Analytics Workspace.

 Want to learn more? Review the documentation on  creating a Log Analytics Workspace.

- Create a Guided Hint for the fifth task of Requirement 1, by using the following:

```
:::ShowGuided(ShowGuided=Yes)
>+[+hint] Expand this hint for guidance on adding Microsoft Sentinel to a workspace.
>
>- On the SentinelHexelo-LAW overview page, in Search resources, services, and connectors, search for Microsoft Sentinel, and then select Microsoft Sentinel.
>
>- On the Microsoft Sentinel home page, select **Create Microsoft Sentinel**.
>
>- On the Add Microsoft Sentinel to a workspace page, in Workspace, select SentinelHexelo-LAW.
>
>- On the Microsoft Sentinel free trial activated dialog, select **OK**.
:::
```

 Expand this hint for guidance on creating a guided hint.



- Locate Task #5, press Enter twice, and then enter the Guided Hint text from above.

```
- Add Microsoft Sentinel to the SentinelHexelo-LAW workspace.  
:::ShowGuided(ShowGuided=Yes)  
>[+hint] Expand this hint for guidance on adding Microsoft Sentinel to a workspace.  
>  
>- On the SentinelHexelo-LAW overview page, in Search resources, services, and docs (G+/), search for and select ++  
+Microsoft Sentinel+++.  
>  
>- On the Microsoft Sentinel home page, select **Create Microsoft Sentinel**.  
>  
>- On the Add Microsoft Sentinel to a workspace page, in Workspace, select **SentinelHexelo-LAW**, and then select  
**Add**.  
>  
>- On the Microsoft Sentinel free trial activated dialog, select **OK**.  
:::|
```

- In the Learner Preview window, expand the Guided Hint icon, and then verify that the Task #5 Guided Hint looks like the following:

Instructions

• Add Microsoft Sentinel to the SentinelHexelo-LAW workspace.

💡 Expand this hint for guidance on adding Microsoft Sentinel to a workspace.

• On the SentinelHexelo-LAW overview page, in Search resources, services, and docs (G+), search for and select  Microsoft Sentinel.

• On the Microsoft Sentinel home page, select **Create Microsoft Sentinel**.

• On the Add Microsoft Sentinel to a workspace page, in Workspace, select **SentinelHexelo-LAW**, and then select **Add**.

• On the Microsoft Sentinel free trial activated dialog, select **OK**.

Check your work

- Create the Advanced Hint for the fifth Task of Requirement 1.

 ::::ShowAdvanced>ShowAdvanced=Yes)  
>[!knowledge] Want to learn more? Review the documentation on [creating a  
:::

 Expand this hint for guidance on creating an advanced hint.



- In Requirement #1, locate the Task #5 Guided Hint, and then press **Enter** twice.
- Enter the Advanced Hint text from above.

```
:::ShowAdvanced(ShowAdvanced=Yes)
>[!knowledge] Want to learn more? Review the documentation on [creating a Microsoft Sentinel instance]
(https://learn.microsoft.com/en-us/azure/sentinel/best-practices-workspace-architecture).
:::
```

- In the Learner Preview window, review the Advanced Hint, and then verify that the Task #2 Advanced Hint looks like the following:

- Add Microsoft Sentinel to the SentinelHexelo-LAW workspace.

 Expand this hint for guidance on adding Microsoft Sentinel to a workspace.

 Want to learn more? Review the documentation on  [creating a Microsoft Sentinel instance](#).

Check your work

Check your work

Verify

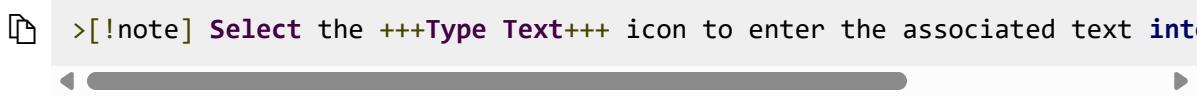
## Create Notes, Alerts, and Help blocks

---

Hints Enabled

No  Yes

- Create a Note block for the first task of Requirement 1, instructing learners to **T** select the Type Text icon to enter the associated text into the virtual machine, and then convert the words **T** Type Text to TypeText by using the following:



>[ !note ] Select the +++Type Text+++ icon to enter the associated text int

A screenshot of a note block. The message starts with '>[ !note ]' followed by the instruction 'Select the +++Type Text+++ icon to enter the associated text int'. The message is cut off at the end with an ellipsis.

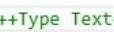
 Expand this hint for guidance on creating a Note block.



- Press **Ctrl+F** to open the **Find** dialog, and then enter  >[!help] Help items are useful.

 [!help] Help items are useful for information that relates to using the lab environment or performing a task that is unique to the lab setup. Using these elements can help to break up the hint and knowledge items visually. These items will always be displayed and should not reveal details intended to be suppressed in Advanced or Expert labs.

- Select the entire **Help Block** placeholder text, and then replace it with the Note block from above.

 [!note] Select the  icon to enter the associated text into the virtual machine.

- In the Learner Preview window, verify that the Task #1 Note block looks like the following:

 Expand this hint for guidance on logging in to a Virtual Machine (VM): 

 Want to learn more? Review the documentation on  creating Task #. Knowledge items are hidden when hints are off.

 Select the  icon to enter the associated text into the virtual machine.

- Navigate to <https://portal.azure.com>, and then sign-in as

 Want to learn more? Review the documentation on [creating a note block](#).

 Notes are typically used to call out something that is out of the ordinary in the lab environment, or that may not always be expected. 

- Create a Note block for the third task of Requirement 1, informing learners that  a resource group is a logical container for creating your Azure resources by using the following:

>[+note] A resource **group is** a logical container **for** creating your **Azure**  
>  
>**It holds all your Azure Resources.** A resource **group** created **in** a specifi

 Expand this hint for guidance on creating a Note block.

^

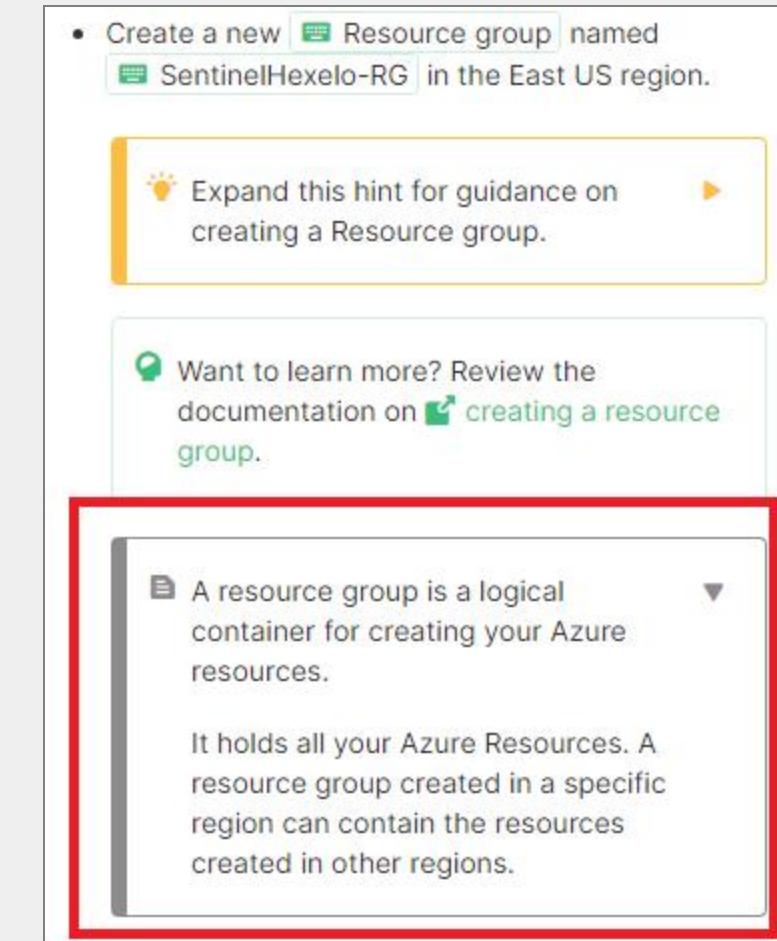
- Press **Ctrl+F** to open the **Find** dialog, and then enter  >[!note] Notes are a great for.

 [!note] Notes are a great for additional information about some aspect of this task in the lab or the topic in general. Using these elements can help to break up the hint and knowledge items visually. These items will always be displayed and should not reveal details intended to be suppressed in Advanced or Expert labs.

- Select the entire **Note Block** placeholder text, replace it with the Note block from above, and then press **Enter**.

```
:::ShowAdvanced(ShowAdvanced=Yes)
>[!knowledge] Want to learn more? Review the documentation on [creating a resource group]
(https://learn.microsoft.com/en-us/azure/sentinel/prerequisites).
:::
```

- In the Learner Preview window, verify that the Task #3 Note block looks like the following:



• Create a new  Resource group named  SentinelHexelo-RG in the East US region.

 Expand this hint for guidance on creating a Resource group.

 Want to learn more? Review the documentation on  [creating a resource group](#).

 A resource group is a logical container for creating your Azure resources.  
It holds all your Azure Resources. A resource group created in a specific region can contain the resources created in other regions.

- Create an Alert block for the fourth task of Requirement 1, informing learners that  deployment may take a few minutes, by using the following:



>[!alert] Deployment may take a few minutes. Select \*\*Refresh\*\* if the new content does not appear.



💡 Expand this hint for guidance on creating an Alert block.



- Press **Ctrl+F** to open the **Find** dialog, and then enter T Review the documentation on [creating a Log Analytics Workspace].

```
:::ShowAdvanced(ShowAdvanced=Yes)
>[!knowledge] Want to learn more? Review the documentation on [creating a Log Analytics Workspace]
(https://learn.microsoft.com/en-us/azure/sentinel/best-practices-workspace-architecture).
:::
```

- Add Microsoft Sentinel to the SentinelHexelo-LAW workspace.

- Place your cursor in the empty space between the Advanced hint and Task #5, and then enter the Alert block from above.

```
:::ShowAdvanced(ShowAdvanced=Yes)
>[!knowledge] Want to learn more? Review the documentation on [creating a Log Analytics Workspace]
(https://learn.microsoft.com/en-us/azure/sentinel/best-practices-workspace-architecture).
:::
```

```
>[!alert] Deployment may take a few minutes. Select **Refresh** if the new workspace is not listed after a few
minutes.
```

- Add Microsoft Sentinel to the SentinelHexelo-LAW workspace.

- In the Learner Preview window, verify that the Task #4 Alert block looks like the following:

The screenshot shows the Learner Preview window with the following elements:

- A green info icon with the text: "Want to learn more? Review the documentation on [creating a Log Analytics Workspace](#)".
- A red-bordered box containing a red warning icon and the text: "⚠ Deployment may take a few minutes. Select Refresh if the new workspace is not listed after a few minutes."
- A bulleted list: "• Add Microsoft Sentinel to the SentinelHexelo-LAW workspace."
- A yellow callout box with a yellow info icon and the text: "💡 Expand this hint for guidance on adding Microsoft Sentinel to a workspace." A yellow arrow points from the text towards the right.

💡 Want to learn more? Review the documentation on [creating an alert block](#).

- ② Alerts should be used to grab the student's attention for something very important that they should not miss. ✓

- Create a Help block for the fourth task of Requirement 1, by using the following:

 >[ !HELP] An Azure Log Analytics Workspace is a unique environment for log  
>  
>Each workspace has its own data repository and configuration but might c



### 💡 Expand this hint for guidance on creating a Help block.



- Press **Ctrl+F** to open the **Find** dialog, and then enter **T** >[!alert] Deployment may take a few minutes.. *The alert you just created*
- Place your cursor in the empty space between the Alert block and Task #5, and then enter the Help block from above.

```
>[!alert] Deployment may take a few minutes. Select **Refresh** if the new workspace is not listed after a few minutes.  
>[!HELP] An Azure Log Analytics Workspace is a unique environment for log data from Azure Monitor and other Azure services, such as Microsoft Sentinel and Microsoft Defender for Cloud.  
>  
Each workspace has its own data repository and configuration but might combine data from multiple services.  
- Add Microsoft Sentinel to the SentinelHexelo-LAW workspace.
```

- In the Learner Preview window, verify that the Task #4 Help block looks like the following:

**⚠** Deployment may take a few minutes.  
Select **Refresh** if the new workspace is not listed after a few minutes.

**?** An Azure Log Analytics Workspace is a unique environment for log data from Azure Monitor and other Azure services, such as Microsoft Sentinel and Microsoft Defender for Cloud.

Each workspace has its own data repository and configuration but might combine data from multiple services.

- Add Microsoft Sentinel to the SentinelHexelo-LAW workspace.

### ⓘ Help items are typically used to assist with something in the lab environment such as logons, switching VMs, etc.

- Create a Note block for the fifth task of Requirement 1, informing learners that **T** Microsoft Sentinel is a scalable, cloud-native Security Information and Event Management (SIEM) system by using the following:

>[+note] Microsoft Sentinel is a scalable, cloud-native Security Information and Event Management (SIEM) system. It provides an intelligent and comprehensive solution for SIEM and Security Orchestration, Automation, and Response (SOAR).

- Add Microsoft Sentinel to the SentinelHexelo-LAW workspace.

💡 Expand this hint for guidance on adding Microsoft Sentinel to a workspace.

💡 Want to learn more? Review the documentation on [creating a Microsoft Sentinel instance](#).

Microsoft Sentinel is a scalable, cloud-native Security Information and Event Management (SIEM) system.

It provides an intelligent and comprehensive solution for SIEM and Security Orchestration, Automation, and Response (SOAR).

## Check your work

Verify

## Create the Summary Section

---

Hints Enabled

No  Yes

- Update the Challenge Lab name in the Summary.

 Expand this hint for guidance on updating the Challenge Lab name in the Summary. ^

- In the Learner Preview window, select **Next**, and then on the Enable a Data Connector page, select **Next** again.
- On the Enable Threat Intelligence page, select **Next** to view the Summary page.

Instructions ? ⚙️

## Summary

Congratulations, you have completed the **CHALLENGE LAB TITLE?** Challenge Lab.

You have accomplished the following:

- Past tense list of requirements.

### Your feedback is important!

As you end your Challenge Lab, please take a few minutes to complete the short survey that will appear in the next window.

Alternatively, you may provide your feedback directly to  [Challenge Labs feedback](#).

Be sure to check out all the Challenge Labs in this series:

- In the Markdown editor to the left, press **Ctrl+F** to open the **Find** dialog, and then enter **T**.

```
<!-- End Requirement 3 section -->
===
<!-- Begin Summary section -->
[INSTRUCTIONS[]]
(https://raw.githubusercontent.com/LODSContent/Challenge-V3-Framework/main/Templates/Sections/Summary2.md)
```

- In Recap, select **CHALLENGE LAB TITLE?**, and then replace it with **T Configure Threat Intelligence by Using Microsoft Sentinel**.

```
<!-- Begin Summary section -->

!INSTRUCTIONS[]
(https://raw.githubusercontent.com/LODSContent/Challenge-V3-Framework/main/Templates/Sections/Summary2.md)

>[recap]:
>Congratulations, you have completed the **Configure Threat Intelligence by Using Microsoft Sentinel** Challenge
Lab.
>
>You have accomplished the following:
```

- In the Learner Preview window, verify that the Task #4 Help block looks like the following:

## Summary

Congratulations, you have completed the **Configure Threat Intelligence by Using Microsoft Sentinel** Challenge Lab.



Want to learn more? Review the documentation on [creating the summary section](#).

- Update the Past list of requirements with each of the Requirements you created, and then convert them to past tense.

 Expand this hint for guidance on updating the list of past requirements.

^

- In the Markdown editor to the left, press **Ctrl+F** to open the **Find** dialog, and then enter **T** >- Past tense list of requirements..

```
>[recap]:  
>Congratulations, you have completed the **Configure Threat Intelligence by Using Microsoft Sentinel** Challenge  
Lab.  
>  
>You have accomplished the following:  
>  
|>- Past tense list of requirements.  
  
>[next-steps]:
```

- Select **Past tense list of requirements**, replace it with **T** Added Microsoft Sentinel to a workspace., and then press **Enter**.
- On the next line, type **T** >- Enable a Data Connector, and then press **Enter**.
- On the next line, type **T** >- Enable Threat Intelligence, and then press **Enter**

```
>[recap]:  
>Congratulations, you have completed the **Configure Threat Intelligence by Using Microsoft Sentinel** Challenge  
Lab.  
>  
>You have accomplished the following:  
>  
|>- Added Microsoft Sentinel to a workspace.  
|>- Enable a Data Connector  
|>- Enable Threat Intelligence  
  
>[next-steps]:
```

- In the Learner Preview window, verify that the Summary looks like the following:

## Summary

Congratulations, you have completed the **Configure Threat Intelligence by Using Microsoft Sentinel** Challenge Lab.

You have accomplished the following:

- Added Microsoft Sentinel to a workspace.
- Enable a Data Connector
- Enable Threat Intelligence

Check your work

Verify

## Add a scoring script

---

Hints Enabled

No  Yes

- Change the name of the **lab.Activity(requirement1)** Activity Group to match the name of Requirement #1.

 Expand this hint for guidance on changing the name of an activity group.

^

- In the Markdown editor, on the Menu bar at the top of the screen, select the **Lightning Bolt** icon.



- In the **Requirement 1 Title** activity group, directly to the right of the lab token link, select **Edit**.

Activities

Passing Score 7 /7 Scoring Results Detailed ▾

Requirement 1 Title	@lab.ActivityGroup(requirement1)	 Edit  Delete  Insert
Requirement 1	Automated 3 @lab.Activity(requirement1)	 Edit  Delete  Insert

+ New Question + New Automated Activity

- On the Edit Activity Group page, in Name, in Requirement 1 Title, type  Add Microsoft Sentinel to a workspace, and then press **Save**.

Edit Activity Group

Name	Add Microsoft Sentinel to a workspace
Replacement Token Alias	requirement1
Randomize	<input type="checkbox"/>
On-demand evaluation	<input type="checkbox"/>

- In the Activities window, verify that activity group #1 looks like the following:

Add Microsoft Sentinel to a workspace @lab.ActivityGroup(requirement1)  Edit  Delete  Insert

Requirement 1	Automated 3 @lab.Activity(requirement1)	 Edit  Delete  Insert
+ New Question + New Automated Activity		

 Want to learn more? Review the documentation on [adding scoring scripts](#).

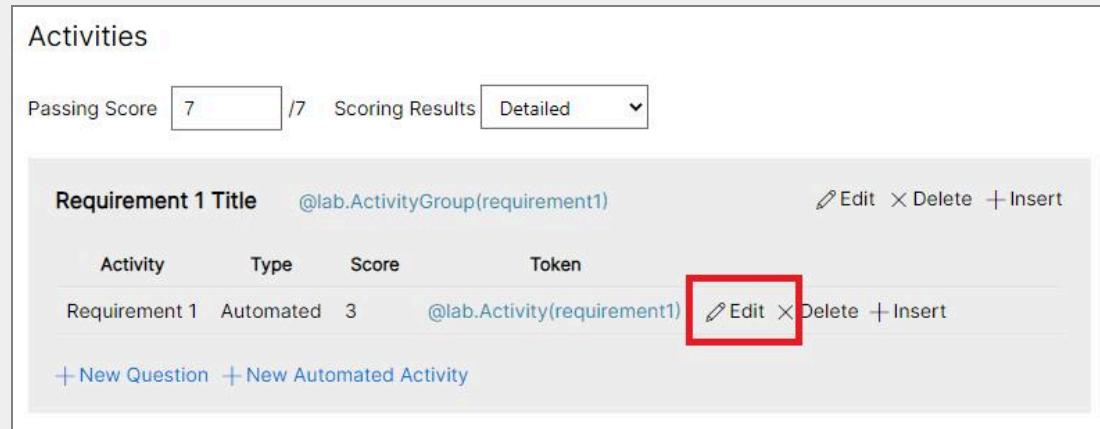
- Add a scoring script to the **Add Microsoft Sentinel to a workspace** requirement, by using the values in the following table.

Property	Value
Name	<input type="text"/> Add Microsoft Sentinel to a workspace
Replacement Token Alias	<input type="text"/> Automated2
Group	<b>Add Microsoft Sentinel to a workspace</b>
Scored	<b>Enabled</b>
Display Scripts as Task List	<b>Enabled</b>
Custom Evaluation Button Text	<b>Enabled</b> <input type="text"/> Verify
Evaluation Button Placement	<b>Below Task List</b>
Allow retries	<b>Enabled</b>
Maximum Attempts	<input type="text"/> 0
Show Results in Reports	<b>Enabled</b>

 Expand this hint for guidance on adding a scoring script to an activity group.

^

- In the Activities window, in the Add Microsoft Sentinel to a workspace activity group, in the Activity section, locate Requirement 1, and then to the right of the token link, select **Edit**.



The screenshot shows the 'Activities' window with a passing score of 7/7. A requirement named 'Requirement 1 Title' is listed with a token value of '@lab.ActivityGroup(requirement1)'. Below it, a table lists 'Requirement 1' as an 'Automated' activity with a score of 3 and the same token value. To the right of the token value, there is a 'Edit' button, which is highlighted with a red box. Other buttons for 'Delete' and 'Insert' are also visible.

- On the Edit Automated Activity page, in Name, type **T** Add Microsoft Sentinel to a workspace, and then in Group, verify that **Add Microsoft Sentinel to a workspace** is selected.
- In Score, select the checkbox to enable it, and then in Display Scripts as Task List, select the checkbox to enable it.
- In Custom Evaluation Button Text, select the checkbox to enable it, and then in the textbox to the right, enter **T** Verify.
- In Evaluation Button Placement, select **Below Task List**, and then in Retries, select the checkbox to enable it.
- In Maximum Attempts, enter **T** 0, and then in Show Results in Reports, select the checkbox to enable it.
- In the Edit Automated Activity window, verify that activity #1 looks like the following:

## Edit Automated Activity

Name	Add Microsoft Sentinel to a workspace
Replacement Token Alias	Automated2
Instructions	(Optional)
Group	Add Microsoft Sentinel to a workspace ▾
Scored	<input checked="" type="checkbox"/>
Display Scripts as Task List	<input checked="" type="checkbox"/>
Custom Evaluation Button Text	<input checked="" type="checkbox"/> Verify
Evaluation Button Placement	Below Task List ▾
Allow retries	<input checked="" type="checkbox"/>
Maximum Attempts ⓘ	0
Required for submission	<input type="checkbox"/>
Blocks page navigation until evaluated	<input type="checkbox"/>
Show Results in Reports	<input checked="" type="checkbox"/>

### Scripts

- Edit the Script 1 **Task List Fields** by using the following:

**Text:** T Verify that you have created a new resource group.

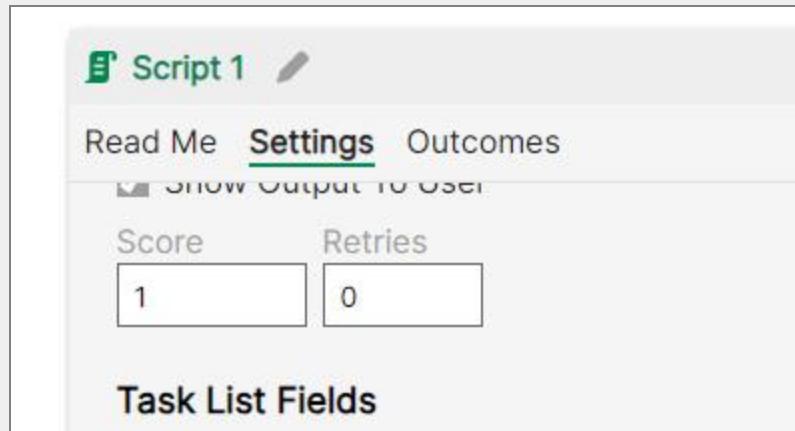
**Correct answer feedback:** T Congratulations! You have successfully created a new resource group.

**Incorrect answer feedback:** T You still need to create a new resource group.

 Expand this hint for guidance on adding a scoring script to an activity group.

^

- In Scripts, in Script 1, select the **Settings** tab.



- In Task List Fields, in Text, enter **[T]** Verify that you have created a new resource group.
- In Task List Fields, in Correct Answer Feedback, enter **[T]** Congratulations! You have successfully created a new resource group.
- In Task List Fields, in Incorrect Answer Feedback, enter **[T]** You still need to create a new resource group.

## Scripts

**Script 1**

Read Me **Settings** Outcomes

Score Retries  
1 4

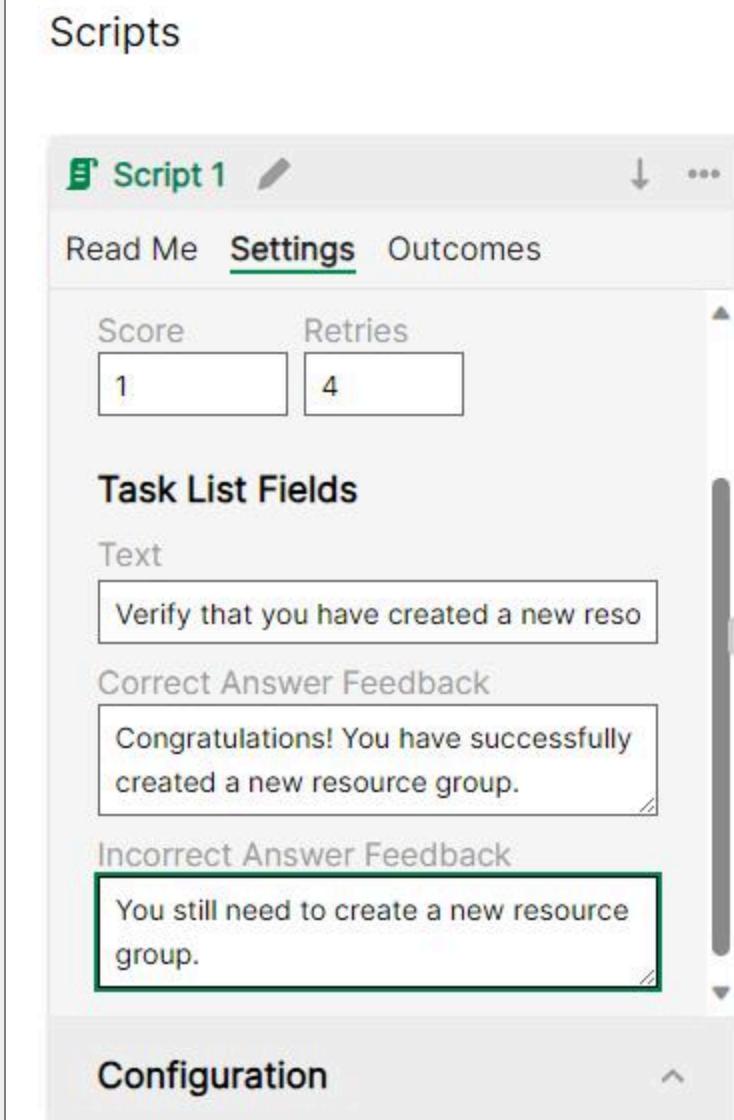
### Task List Fields

**Text**  
Verify that you have created a new reso

**Correct Answer Feedback**  
Congratulations! You have successfully created a new resource group.

**Incorrect Answer Feedback**  
You still need to create a new resource group.

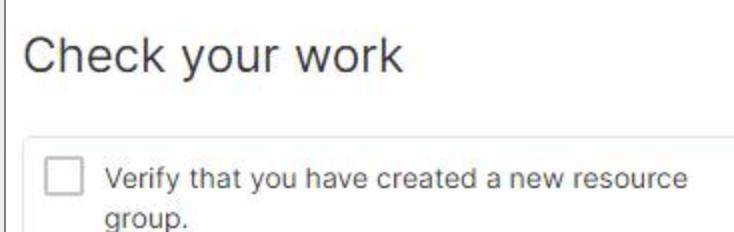
### Configuration



- In the Learner Preview window, verify that the Check your work section looks like the following:

**Check your work**

Verify that you have created a new resource group.



- Replace the current script in Script 1 with the following supplied script:

```
# Runs on Cloud Subscription PowerShell PS 7.4.0 | Az 11.1.0 (Release Candidate)
## Set the $scriptDebug value to $true if needed. Default is $false.
$scriptDebug = $false
```

```

# Default value for the $result variable if all-else fails.
$result = $false

# Lab variables.
$resourceGroupName = 'SentinelHexelo-RG'
$region = 'eastus'

# Gets Azure resource groups in the current subscription.
$resourceGroup = Try { Get-AzResourceGroup -Name $resourceGroupName -ErrorAction Ignore }
Catch {$null}

## This is an example of optional debug output for an individual command.
## command using the appropriate variable. This will only output if $scriptDebug is $true.
If ($scriptDebug) {Write-Output $resourceGroup | Out-String}

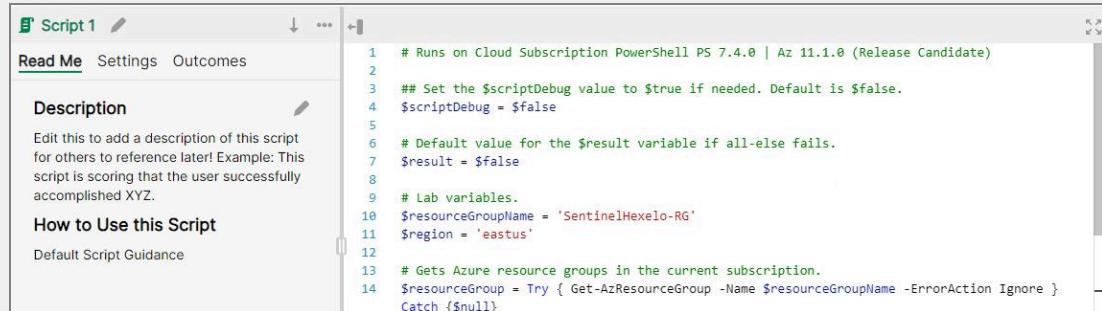
# If this is true, then the user successfully created the resource group
If ($resourceGroup -and $resourceGroup.Location -eq $region) {
    $result = $true
} Else {
    $result = $false
}

# Using the Return keyword to return the True or False value.
Return $result

```

 Expand this hint for guidance on adding a scoring script to an activity group.

- In the Activities window, in the Add Microsoft Sentinel to a workspace activity group, in the Script window, select the current script, delete it, and then replace it with the script from above.
- In the Edit Automated Activity window, verify that Script #1 looks like the following, and then press **Save**:



```

Script 1

Read Me Settings Outcomes

Description
Edit this to add a description of this script for others to reference later! Example: This script is scoring that the user successfully accomplished XYZ.

How to Use this Script
Default Script Guidance

1 # Runs on Cloud Subscription PowerShell PS 7.4.0 | Az 11.1.0 (Release Candidate)
2
3 ## Set the $scriptDebug value to $true if needed. Default is $false.
4 $scriptDebug = $false
5
6 # Default value for the $result variable if all-else fails.
7 $result = $false
8
9 # Lab variables.
10 $resourceGroupName = 'SentinelHexelo-RG'
11 $region = 'eastus'
12
13 # Gets Azure resource groups in the current subscription.
14 $resourceGroup = Try { Get-AzResourceGroup -Name $resourceGroupName -ErrorAction Ignore }
Catch {$null}

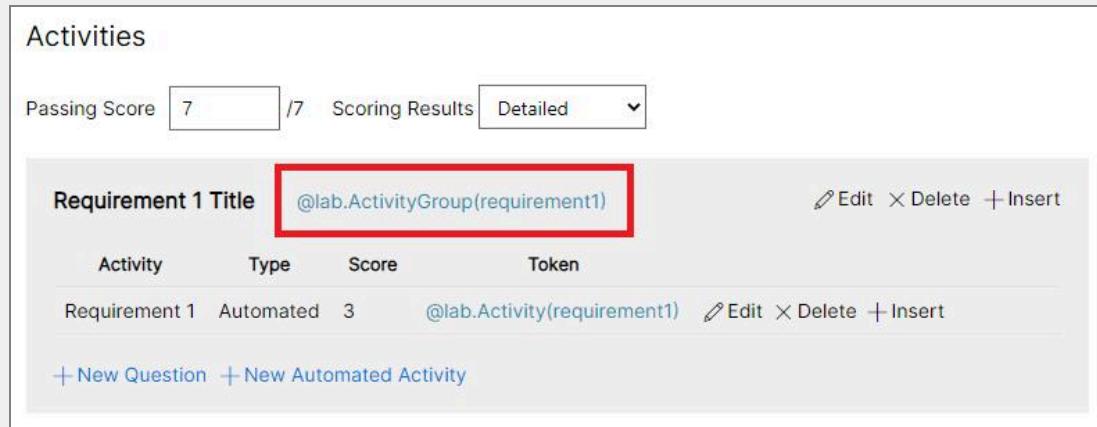
```

- Add the Activity Group token to the Add Microsoft Sentinel to a workspace requirement.

 Expand this hint for guidance on adding an activity group to the markdown.

^

- In the Activities window, in the **Add Microsoft Sentinel to a workspace** activity group, select and copy the **@lab.ActivityGroup(requirement1)** lab token link.



The screenshot shows the 'Activities' window with the 'Requirements' tab selected. At the top, there's a 'Passing Score' input field set to 7, a 'Scoring Results' dropdown set to 'Detailed', and a toolbar with 'Edit', 'Delete', and 'Insert' buttons. Below this, a table lists requirements. The first requirement, 'Requirement 1', has a type of 'Automated' and a score of 3. The 'Token' column for this requirement contains the text '@lab.ActivityGroup(requirement1)'. The entire 'Requirement 1 Title' row is highlighted with a red box. At the bottom of the window, there are buttons for '+ New Question' and '+ New Automated Activity'.

- Select **Close**, to close the Activities window.
- In the Markdown editor to the left, press **Ctrl+F** to open the **Find** dialog, and then enter **T** `@lab.ActivityGroup(requirement1)`.
- Replace the current Activity Group token with the one you just copied.
- Verify that the Check your work section looks like the following:

```
:::ShowActivity(ShowActivity=Yes)
## Check your work
@lab.ActivityGroup(requirement1)
:::
```



Want to learn more? Review the documentation on [check your work](#).

## Check your work

Verify

## Run the new Challenge Lab

---

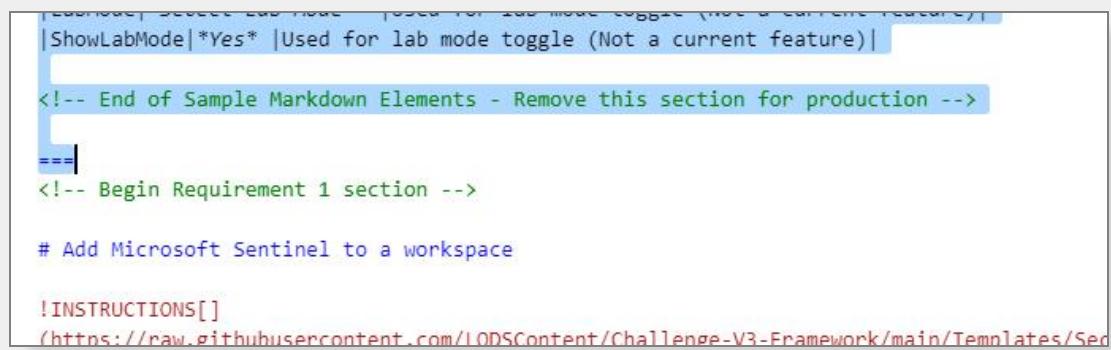
Hints Enabled

No  Yes

- Remove the **Sample Markdown Elements - Remove this section for production** section from the Challenge Lab.

 Expand this hint for guidance on removing the Sample Markdown Elements section. ^

- In the Markdown editor to the left, press **Ctrl+F** to open the **Find** dialog, and then enter **T** Sample Markdown Elements - Remove this section for production.



The screenshot shows a Microsoft Word document with a code editor view. At the top, there is a status bar with the text '|ShowLabMode| \*Yes\* |Used for lab mode toggle (Not a current feature)|'. Below the status bar, the code editor displays the following content:

```
|ShowLabMode| *Yes* |Used for lab mode toggle (Not a current feature)|

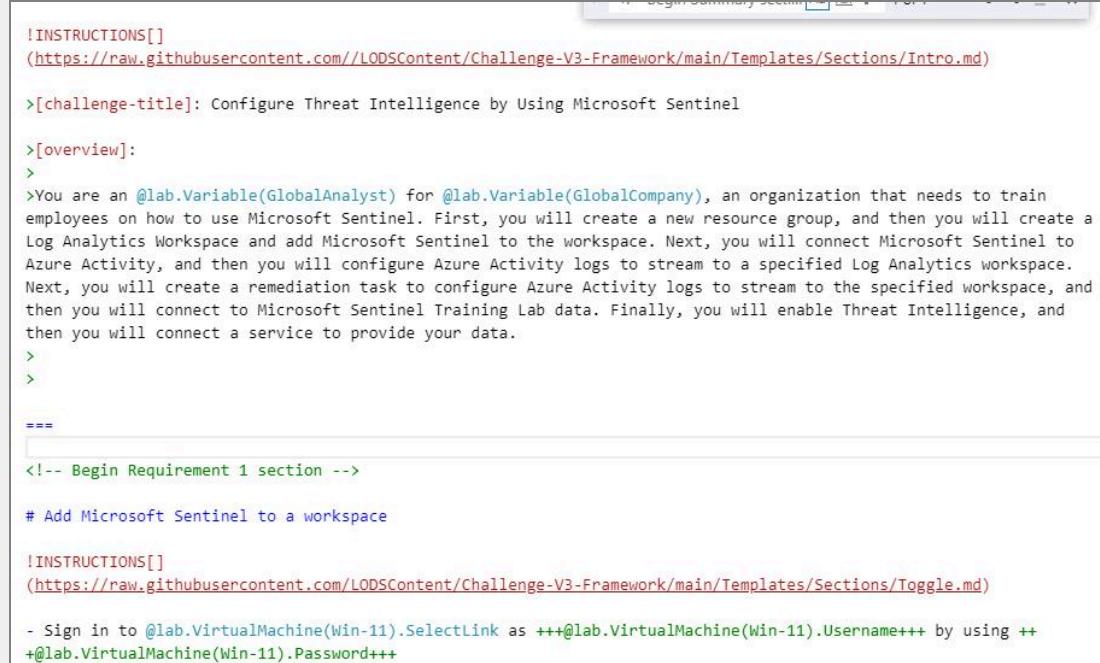
<!-- End of Sample Markdown Elements - Remove this section for production -->

===
<!-- Begin Requirement 1 section -->

# Add Microsoft Sentinel to a workspace

!INSTRUCTIONS[]
(https://raw.githubusercontent.com/LODSContent/Challenge-V3-Framework/main/Templates/Sections/Intro.md)
```

- Press **Delete**.



The screenshot shows the same Microsoft Word document after the 'Sample Markdown Elements' section has been deleted. The content now starts directly with the requirement section:

```
>[challenge-title]: Configure Threat Intelligence by Using Microsoft Sentinel

>[overview]:
>
>You are an @lab.Variable(GlobalAnalyst) for @lab.Variable(GlobalCompany), an organization that needs to train employees on how to use Microsoft Sentinel. First, you will create a new resource group, and then you will create a Log Analytics Workspace and add Microsoft Sentinel to the workspace. Next, you will connect Microsoft Sentinel to Azure Activity, and then you will configure Azure Activity logs to stream to a specified Log Analytics workspace. Next, you will create a remediation task to configure Azure Activity logs to stream to the specified workspace, and then you will connect to Microsoft Sentinel Training Lab data. Finally, you will enable Threat Intelligence, and then you will connect a service to provide your data.
>
>

===
<!-- Begin Requirement 1 section -->

# Add Microsoft Sentinel to a workspace

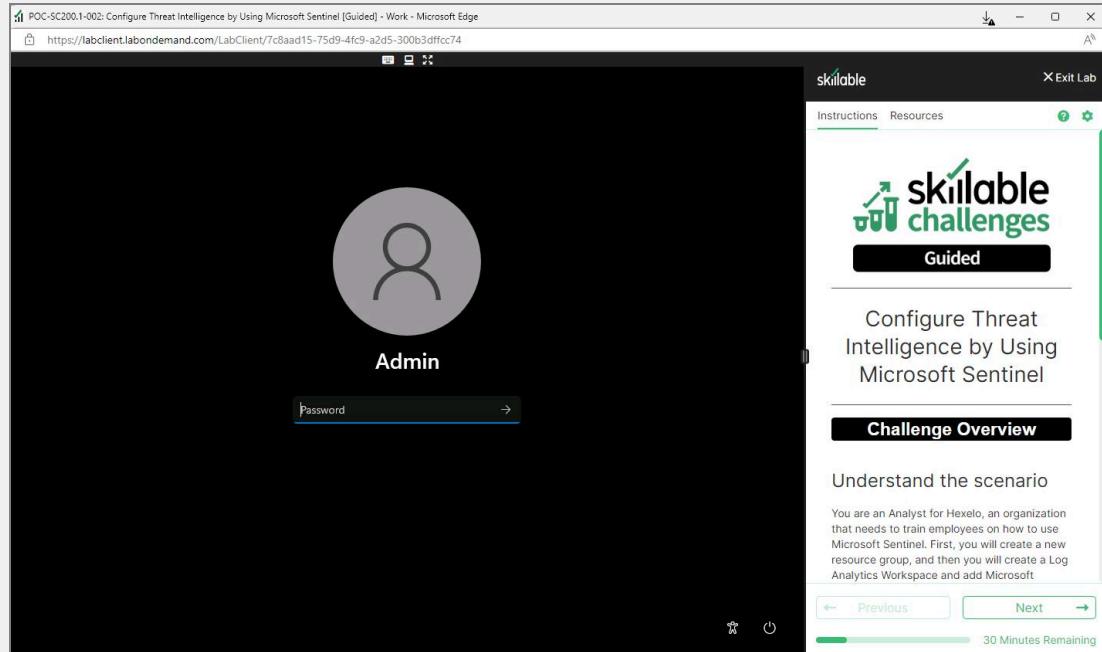
!INSTRUCTIONS[]
(https://raw.githubusercontent.com/LODSContent/Challenge-V3-Framework/main/Templates/Sections/Toggle.md)
- Sign in to @lab.VirtualMachine(Win-11).SelectLink as +++@lab.VirtualMachine(Win-11).Username+++ by using ++
+@lab.VirtualMachine(Win-11).Password+++
```

- Run the **Configure Threat Intelligence by Using Microsoft Sentinel** Challenge Lab.

 Expand this hint for guidance on running a Challenge Lab.



- Select the **Back** button on your browser to return to the Lab Profile page.
- On the Lab Profile page, select **Launch**.



::ShowActivity(ShowActivity=Yes)

Check your work

Verify

## Summary

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Congratulations, you have completed the **Create a Challenge Lab** Challenge Lab.

You have accomplished the following:

- Cloned a Challenge Lab template.
- Created the Title and Overview.
- Created 3 sets of Requirements.
- Created the tasks for each set of Requirements.
- Created Guided and Advanced Hints for the Tasks in Requirement 1.
- Created a Summary page.
- Added a scoring script.
- Launched your new Challenge Lab.

## Ending your lab

To ensure your lab is recorded as complete, select **Submit** or **End** below. Exiting [X] the lab will result in an incomplete status.

 Once you select **Submit** or **End**, you will not be able to return to this Challenge Lab.

## Your feedback is important!

As you end your Challenge Lab, please take a few minutes to complete the short survey that will appear in the next window. Alternatively, you may provide your feedback directly to [Challenge Labs feedback](#).

## Looking for your next Challenge Lab?

Below are recommended Challenge Labs to try next.



