**Lesson 02 Demo 04**

**Debugging Using AWS CloudTrail**

**Objective:** To enable AWS CloudTrail and validate its logs for debugging API calls and analyzing log events

**Tools required:** AWS Console and CloudTrail

**Prerequisites:** None

Steps to be followed:

1. Create a trail using CloudTrail
2. Validate CloudTrail logs

**Step 1: Create a trail using CloudTrail**

* 1. Navigate to the AWS Console home page

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* 1. Search for and click on **CloudTrail**  
       
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  2. Click on **Create a trail**  
       
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  3. Provide a desired name and click on **Create trail**  
       
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     The trail is created and enabled successfully.  
       
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| **Note**: Once CloudTrail is enabled, it begins capturing log events for API calls made within your AWS account. |

**Step 2: Validate CloudTrail logs**

1. Click on **Event history**  
     
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2. Filter the events by time range, event name, resource type, user, and other fields to obtain the desired output  
     
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| **Note**: In this scenario, the resource type field is set to S3 bucket, which results in the listing of those specific events. |

1. Click on **CreateTrail** to view the detailed information as shown below:

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By following these steps, you have successfully enabled AWS CloudTrail and validated its logs to debug API calls and analyze log events.