



Monitoring and Security Overview

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Welcome to Monitoring and Security Overview.

What you will learn

At the core of the lesson

You will learn how to:

- Describe the features of Amazon CloudWatch Events
- Describe the features and benefits of Amazon CloudWatch Logs
- Explain the purpose and function of AWS CloudTrail
- Explain how to use Amazon Athena to query data from other AWS services

Topics:

- Amazon CloudWatch Logs
- Amazon CloudWatch Events
- AWS CloudTrail
- AWS Service Integration with Amazon Athena

Knowledge Check

Key terms:

- Amazon CloudWatch Logs
- Amazon CloudWatch Events
- AWS CloudTrail
- requestParameters
- responseElements
- Amazon Athena

Lab:

- **Lab 6** – Monitoring Your Applications and Infrastructure

Project:

- **Project** – Troubleshooting Knowledge Base



In this module, you will learn how to monitor the health of your cloud infrastructure with services such as Amazon CloudWatch and AWS CloudTrail.

At the end of this module, you will be able to:

- Describe the features of Amazon CloudWatch Events
- Describe the features and benefits of Amazon CloudWatch Logs
- Explain the purpose and function of AWS CloudTrail
- Explain how to use Amazon Athena to query data from other AWS services

Also, this module includes a technical discussion of the key features of Amazon CloudWatch Events and Amazon CloudWatch Logs. AWS CloudTrail and Amazon Athena are also discussed. The module ends with a hands-on lab. In this lab, you will use CloudWatch to monitor an Amazon Elastic Compute Cloud (Amazon EC2) instance and an application that runs on that instance.

Project time

Troubleshooting Knowledge Base

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- Have your copy of the Troubleshooting Knowledge Base template open for editing
- Create new entries as you encounter troubleshooting situations
- Categories of focus for this module are:
 - *Foundational IT*
 - *Monitoring & Reporting*



Be ready to create some entries based on the topics that will be covered in this module. These topics include the *Foundational IT* and *Monitoring & Reporting* categories.