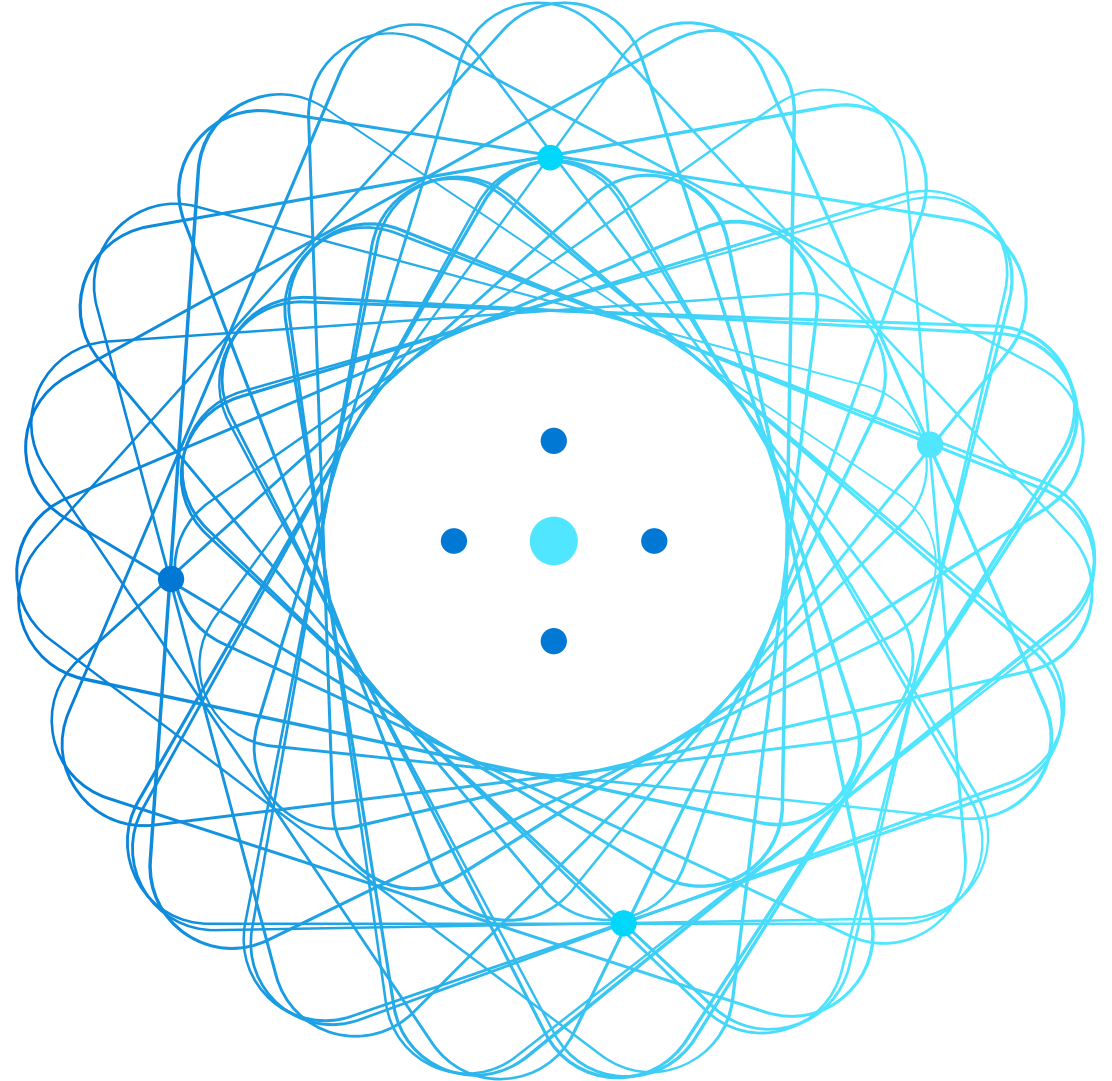Microsoft Azure

AZ-900T0x Module 04: Cloud concepts

Ravindra Kudache
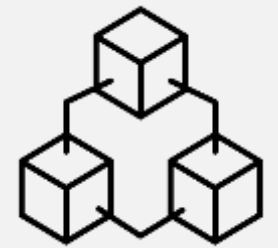
Module Outline

Module 03 - Outline

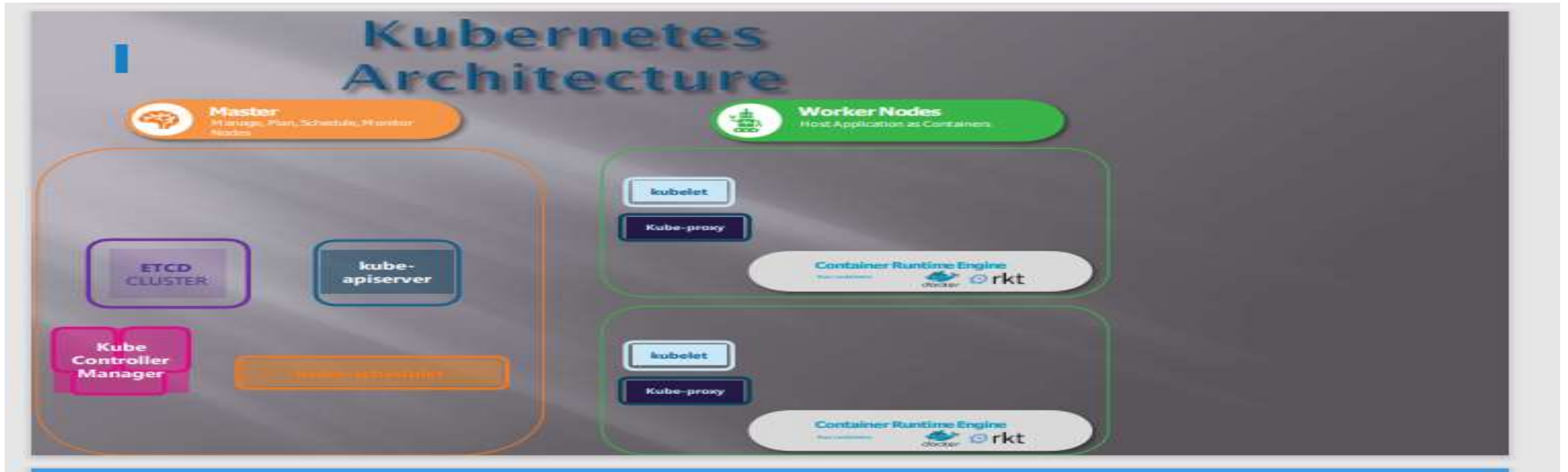You will learn the following concepts:
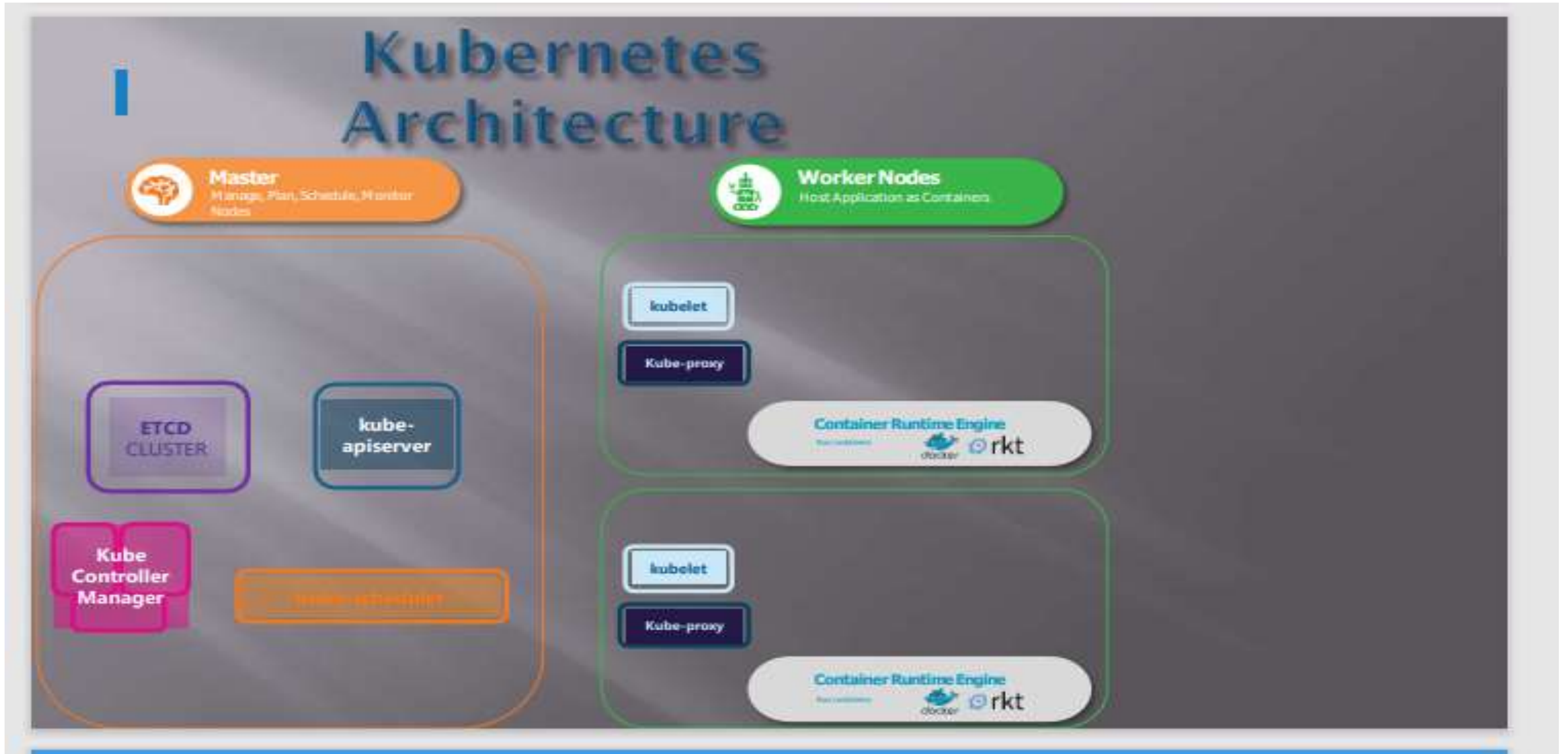- **Docker & AKS**
- **Monitor**

Cloud Models

Azure Kubernetes Service

 Azure Kubernetes Service: an orchestration service for containers with distributed architectures and large volumes of containers.

Kubernet

Network watcher

Topology	Network Diagnostics	Metric	Logs
Visualize your network topology	Diagnostic tools for networking related issues	Measure and view your network performance and health	Configure and view your logs
• Topology	• Variable Packet Capture • IP Flow Verify • Security Group View • Next Hop • VPN Troubleshoot	• Network Subscription Limits	• Network Security Group Flow logs • Single place to configure all logs and Alerts

Network watcher

Network watcher
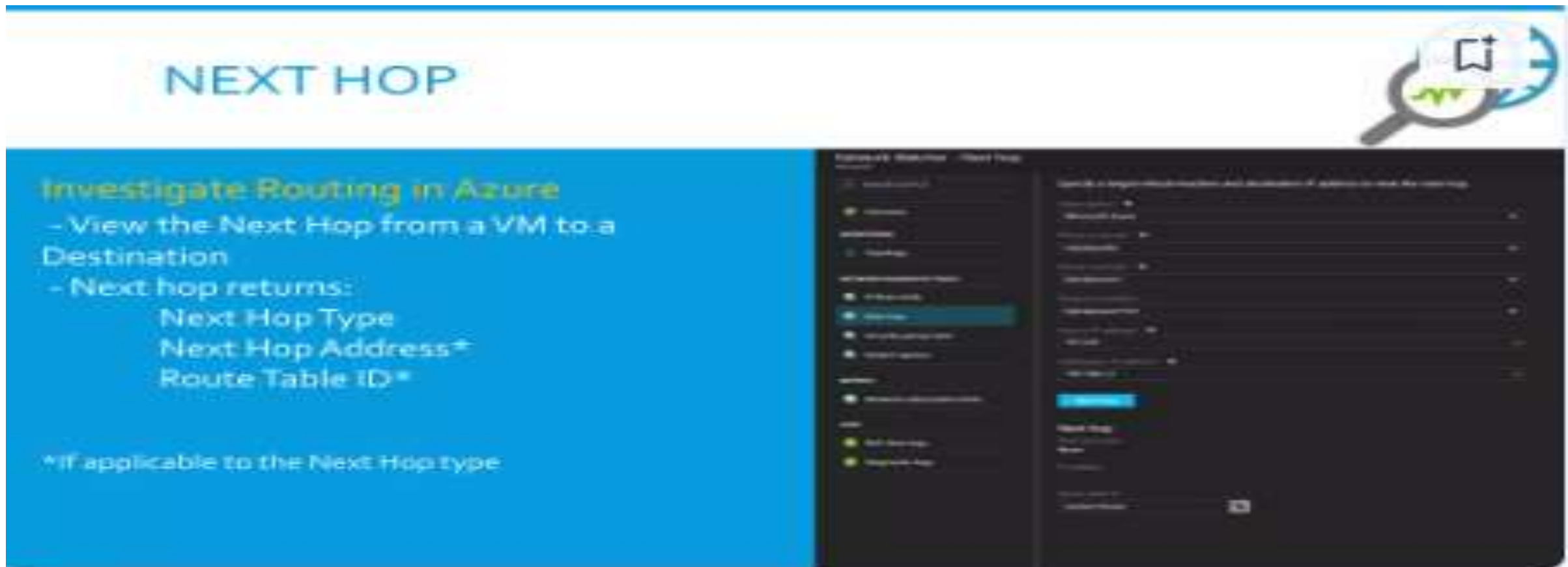
Network watcher

Network watcher

Azure Monitor

Azure Monitor maximizes the availability and performance of applications and services by collecting, analyzing, and acting on telemetry from cloud and on-premises environments.

- Application Insights
- Log Analytics
- Smart Alerts
- Automation Actions
- Customized Dashboards

Azure Monitor

- Here you get metrics for the underlying resources deployed as part of your Azure subscription.

- You can also collect log data with the help of a Log Analytics workspace.

- You can define Azure Monitor alerts to send an alert if a specific condition is being reached for your Azure resources.

Application Insights

Monitoring

This provides the feature of application performance management and monitoring of live web applications.

Aspects

Here you can see aspects such as detecting performance issues or any other issues.

Support

There is support for .NET, Node.js, Java and Python.

Applications

This works for applications hosted in Azure, on-premises environments, or other cloud platforms.

Integration

It has Integration with the Visual Studio IDE.

Users

You can also see how users interact with your application.

Application Insights

Application Insights

C

Azure Service Health (continued)

Azure Service Health provides a personalized view of the health of Azure services and the regions being used.

- Communication regarding outages

- Planned maintenance

- Other health advisories