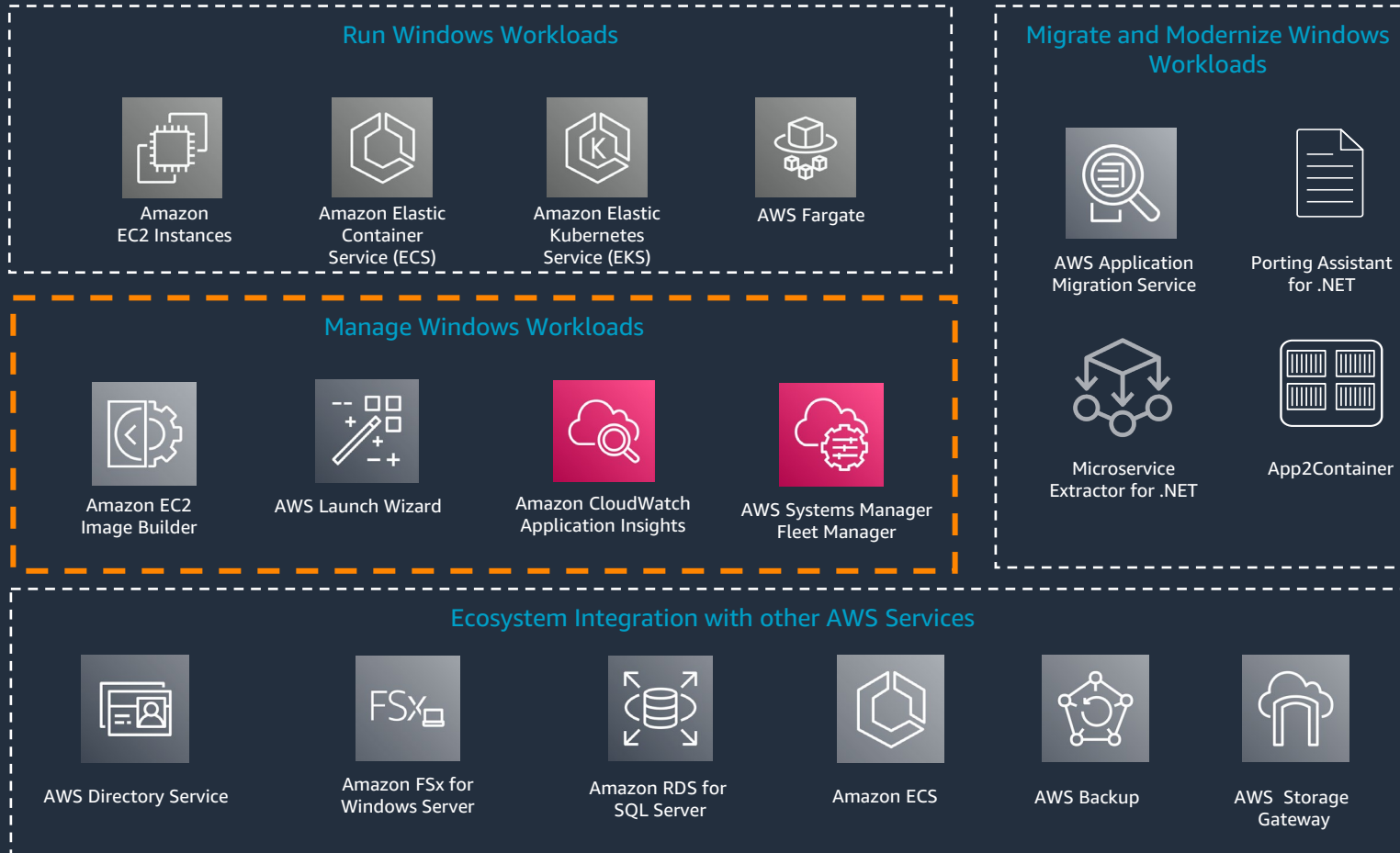aws

VIRTUAL WORKSHOP

How to improve efficiency through monitoring and systems administration

Agenda

- Amazon CloudWatch Application Insights
- Demo: .NET, SQL Server monitoring and troubleshooting
- AWS Systems Manager Fleet Manager
- Demo: Managing Windows instances with Fleet Manager

Migrate, Operate & Modernize

Run Windows Workloads

Amazon EC2 Instances

Amazon Elastic Container Service (ECS)

Amazon Elastic Kubernetes Service (EKS)

AWS Fargate

Migrate and Modernize Windows Workloads

AWS Application Migration Service

Porting Assistant for .NET

Microservice Extractor for .NET

App2Container

Manage Windows Workloads

Amazon EC2 Image Builder

AWS Launch Wizard

Amazon CloudWatch Application Insights

AWS Systems Manager Fleet Manager

Ecosystem Integration with other AWS Services

AWS Directory Service

Amazon FSx for Windows Server

Amazon RDS for SQL Server

Amazon ECS

AWS Backup

AWS Storage Gateway

Amazon CloudWatch Application Insights

Vijay Kumar, Senior Product Manager
Jesus Yepez, Software Development Manager
Zhenwei Gu, Software Development Engineer

Enterprise cloud monitoring challenges

Health and performance

Lots of data sources

Expensive

Troubleshooting conflicts

The **stress-free path** to application health and observability

- Easy for customers to setup

- Workload-specific intelligence

- Dive deep into problem analysis

- Provide intelligent remediation steps

- Support for a wide range of AWS resources and workloads

Demo: .NET, SQL Server monitoring and troubleshooting

AWS Systems Manager
Fleet Manager

Pallavi Sharma, Principal Product Manager
Mathew Kuruvilla, Sr. Software Development Engineer

Enterprise cloud management challenges

Diverse IT infrastructure across cloud and on-premises

Multiple tools from different vendors

Lack of a central unified experience

Need for more tools and re-training

Complexity and cost of remotely connecting to servers

The **stress-free path** to Windows management and troubleshooting

- Streamlined remote server management across environments and OS types

- A centralized visual interface for entire inventory of Managed instances

- Web-browser based troubleshooting and management capabilities

- Secure and 1-click remote connectivity

Demo: Managing Windows instances with Fleet Manager

Summary and additional resources

Application Insights provides enhanced visibility into the health of your applications and reduces mean time to resolve issues.

https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/cloudwatch-application-insights.html
https://docs.aws.amazon.com/AmazonCloudWatch/latest/monitoring/appinsights-tutorial-dotnet-sql.html

Fleet Manager streamlines and scales your remote server management process on AWS and on-premises. You can drill down to individual servers to perform common troubleshooting and management tasks using a centralized visual interface.

https://aws.amazon.com/systems-manager/fleet-manager/
https://docs.aws.amazon.com/systems-manager/latest/userguide/fleet.html

aws

Thank you!

Vijay Kumar
vijaykbv@amazon.com

Jesus Yepez
yepjesus@amazon.com

Zhenwei Gu
zhenweig@amazon.com

Pallavi Sharma
palsharm@amazon.com

Mathew Kuruvila
kuruvm@amazon.com

Learn more at the upcoming re:Invent session
Troubleshoot Windows instances via AWS Systems Manager Fleet Manager, ENT302