
AWS
re:Invent

MKT301

Greenfield to self-service automation

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Agenda

Symetra's journey to using AWS

Building the landing zone foundation

Enabling self-service migration

Next steps

Call to action



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Symetra's journey to using AWS

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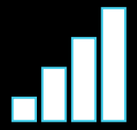
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About Symetra

SYMETRA®
RETIREMENT | BENEFITS | LIFE

60 years in the business

Symetra has been going strong for more than 60 years. Offering annuities, life insurance, and benefits products to help provide security and confidence to people and businesses nationwide.



Financial Strength

Promises are backed by **$55.5B in assets,** getting “A’s” from rating agencies for Symetra’s ability to meet financial obligations—like paying claims.



Guiding Principles

Value, Transparency, Sustainability—the three principles that define how Symetra does business inside and out.



Commitment to Community

With a focus on women, at-risk youth, and housing and homelessness, Symetra is dedicated to serving the communities where employees live and work.

Annuities - Life Insurance

Stop loss - Select Benefits - Group Life & Disability

The situation

Need to migrate multiple workloads from on-prem to AWS

- Little in-house AWS experience
- Existing governance model did not include cloud operations
- Security and compliance are priorities
- Want to enable more of a “self-service” environment

Getting started - Cloud enablement program

Hire Program Manager, Cloud Architect, IAM Policy Manager

Evangelize the cloud

- Coffee and Cloud / Newsletters / Weekly Communications
- Cloud Practitioner Training and AWS Certifications (Cash Awards)
- AWS Office Hours / Dojo Meetings / Builder Sessions



Align to Digital Operating Principles

- Cloud First & Cloud Native
- Infrastructure as Code & Automation



Build cloud infrastructure before adding workloads



Building the landing zone foundation

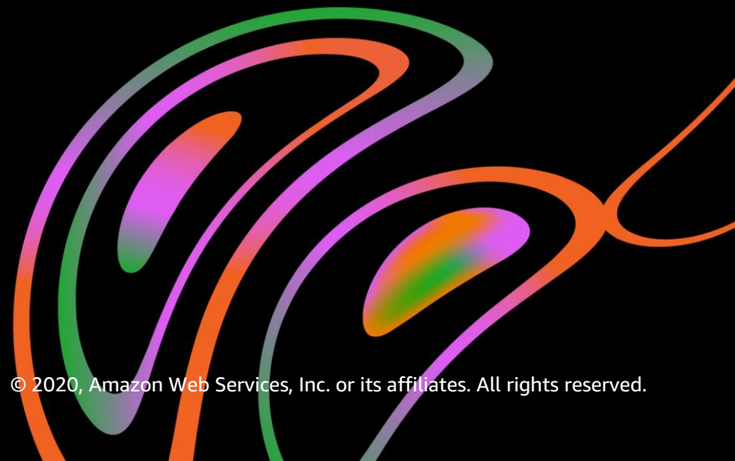
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“In the beginner’s mind there are many possibilities, but in the expert mind there are few…”

Shunryu Suzuki

Zen Mind, Beginner’s Mind



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Landing zone building blocks

Multi-account structure

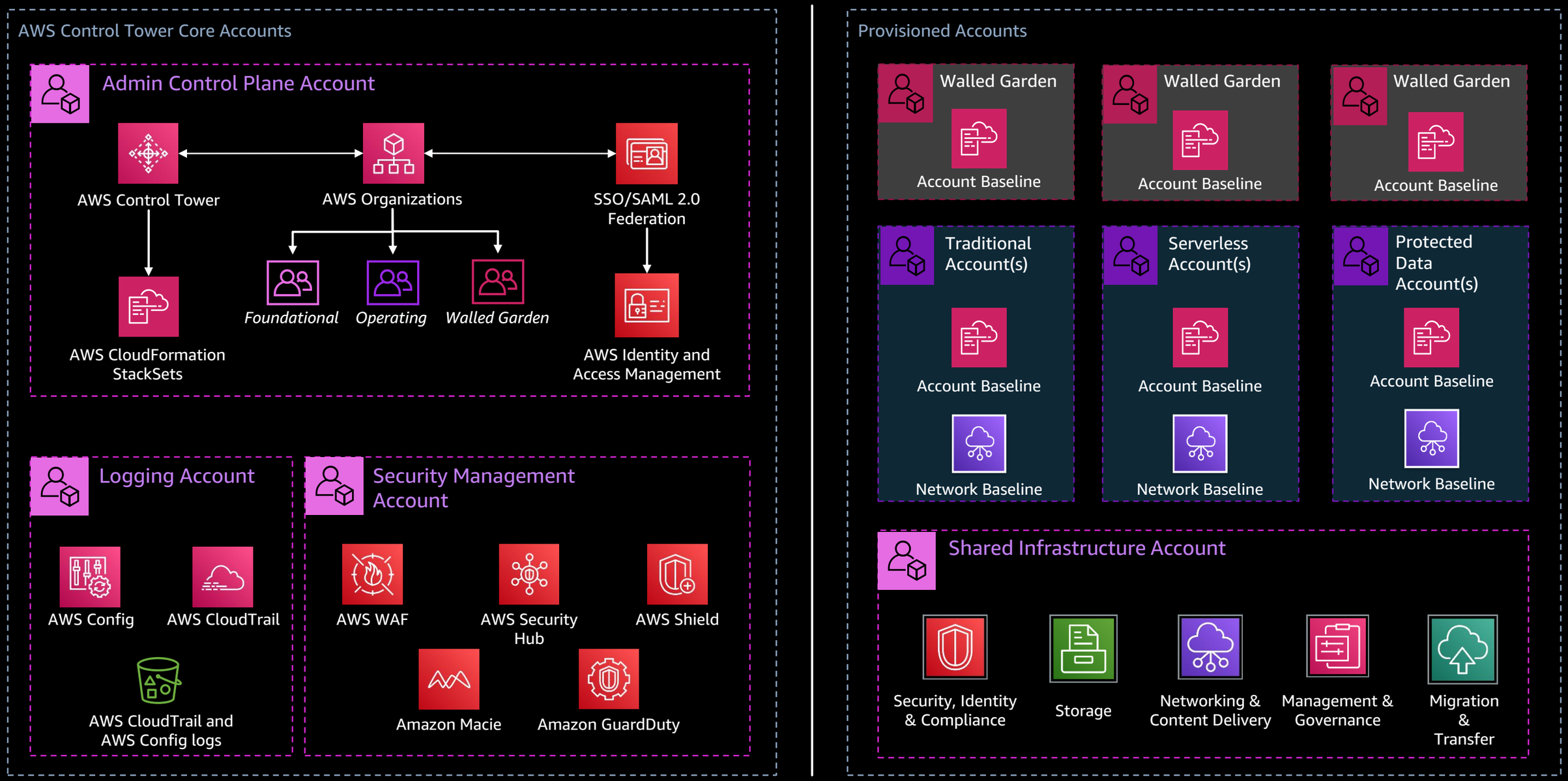
Guardrails

Software procurement

Golden AMI factory

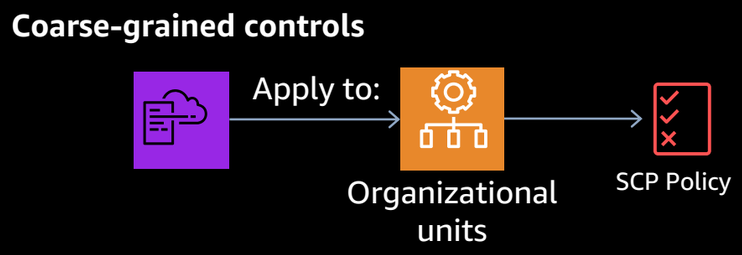


Multi-account structure



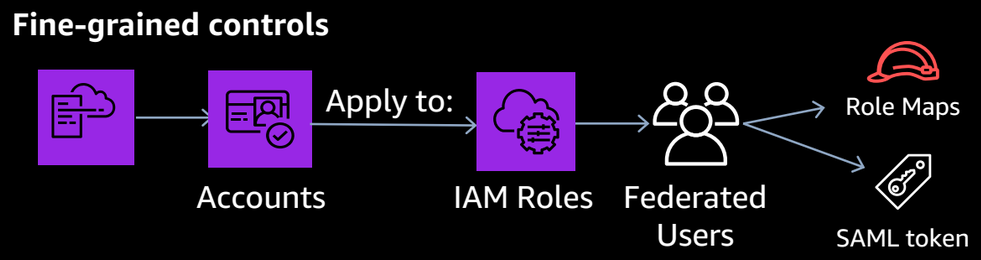
Guardrails: Policy and roles

Service Control Policies (SCPs):



- Deny AWS Config, AWS CloudTrail, and Amazon CloudWatch
- Deny access to the AWS Marketplace
- Deny specific services in Sandbox and NonProd Accounts
- Deny actions to change configuration of VPCs and Networks
- Deny services launched outside allowed regions
- Deny non-admins from executing admin functions
- Deny deleting/stopping AWS certified services in regulated accounts

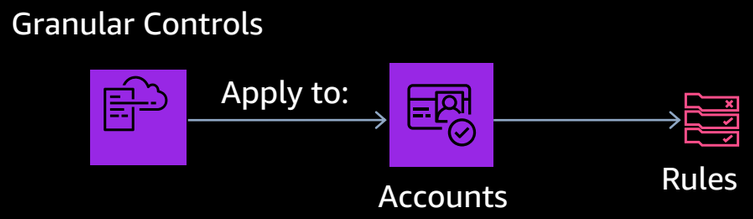
Least Privileged IAM Roles:



- Cloud admins
- Shared services admins
- Developers (full-stack level 1-3)
- Database admins
- Data scientists and data engineering
- Privileged access for prod support
- Read-only
- List-only

Guardrails: Preventive and detective

AWS Control Tower:



- CloudTrail Audit logs
- AWS Control Tower Setup
- Data Security
- IAM
- Monitoring
- Network and Operations

Event-driven bots:



- Amazon Simple Storage Service (Amazon S3) configuration standards
- Public Amazon S3 remediator
- Amazon Elastic Compute Cloud (Amazon EC2) tag compliance validation
- Amazon EC2 and Amazon Relational Database Service (Amazon RDS) instance scheduler
- Security group remediator
- Resource Auto-tagger

Guardrails: Manage compliance

Automated provisioning

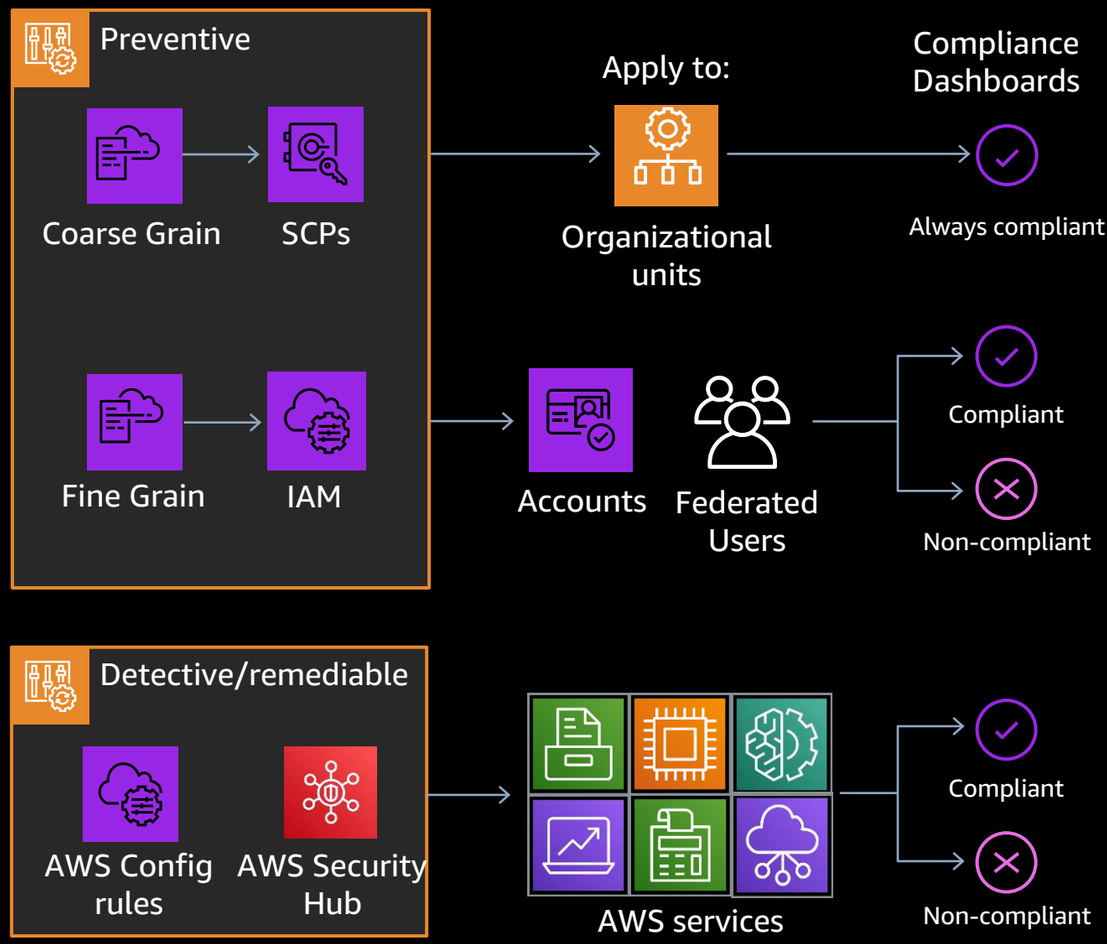
- Applies preconfigured governance rules for compliance with security, change management, and operations

Preventive

- Prevents policy violations through enforcement
- Applies SCPs, Tag policies, IAM policies, firewall manager rules

Detect/Remediate

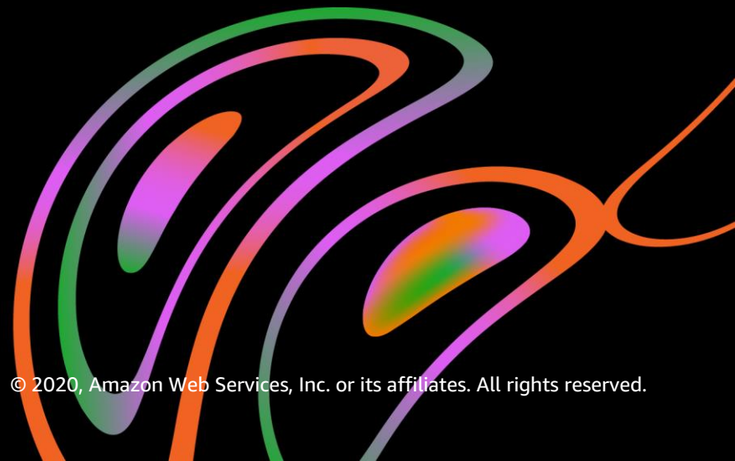
- Detects policy violations, remediates and reports to AWS Config and Security Hub dashboards



“AWS Control Tower enables single-click account provisioning, completing a four-hour manual process in fewer than 30 minutes…”

Andrew Chemis

Symetra Solutions Architect



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Software procurement with AWS Marketplace

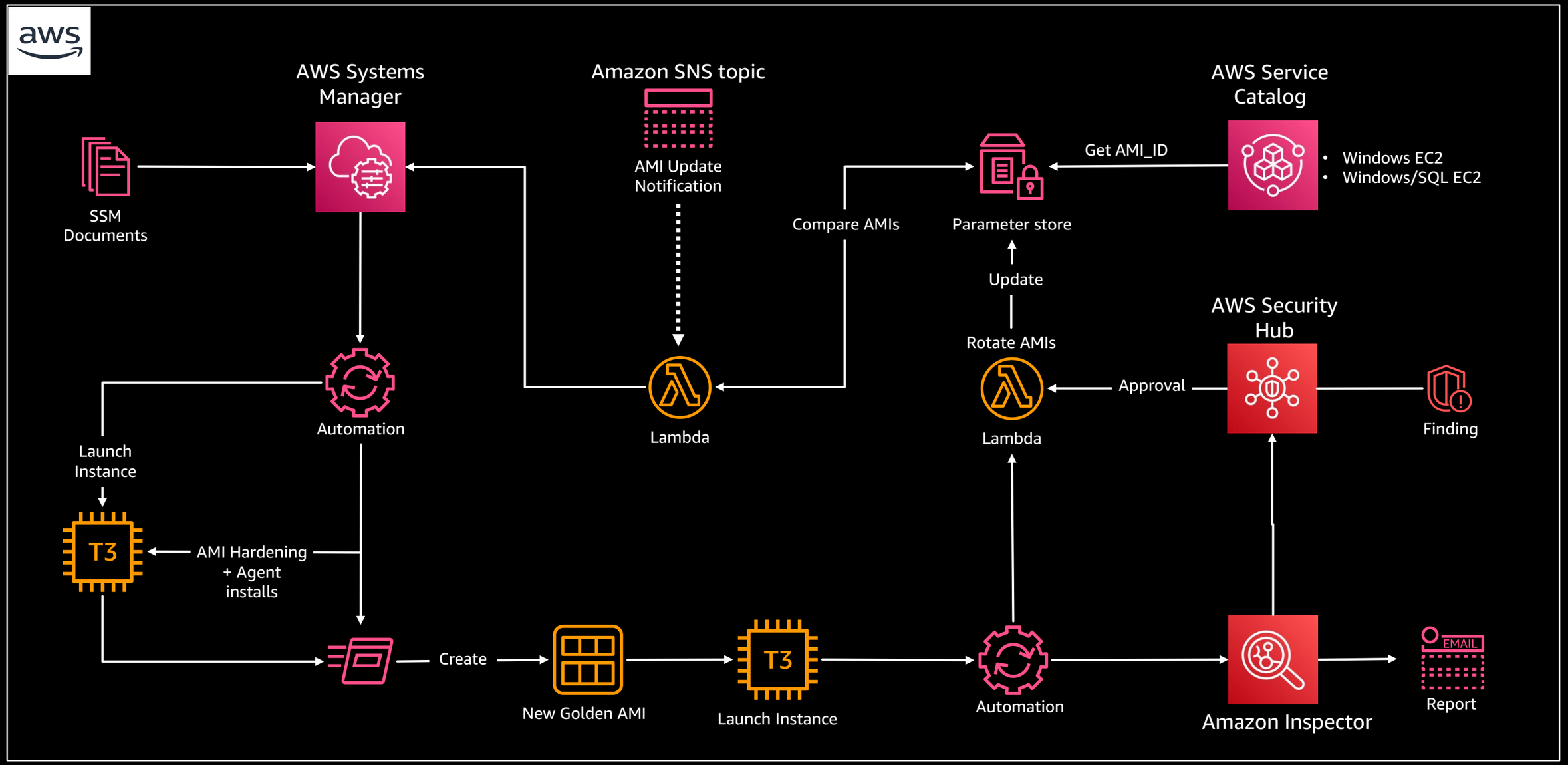
Accelerate migration. Reduce procurement complexity. Easily build and test deployment options. Flexibility to change our minds. Manage entitlements. Asset tagging. Consolidated Billing.







Golden AMI factory



Enabling self-service migration

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Migration: Problem, solution, benefit



Cloud Migration

Symetra is currently engaging in a multi-year cloud migration strategy



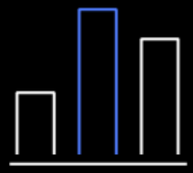
Problem

AppDev teams unfamiliar with the technology need some assistance



Solution

Self-service tools enable teams to manage their own migration with Cloud SME consulting



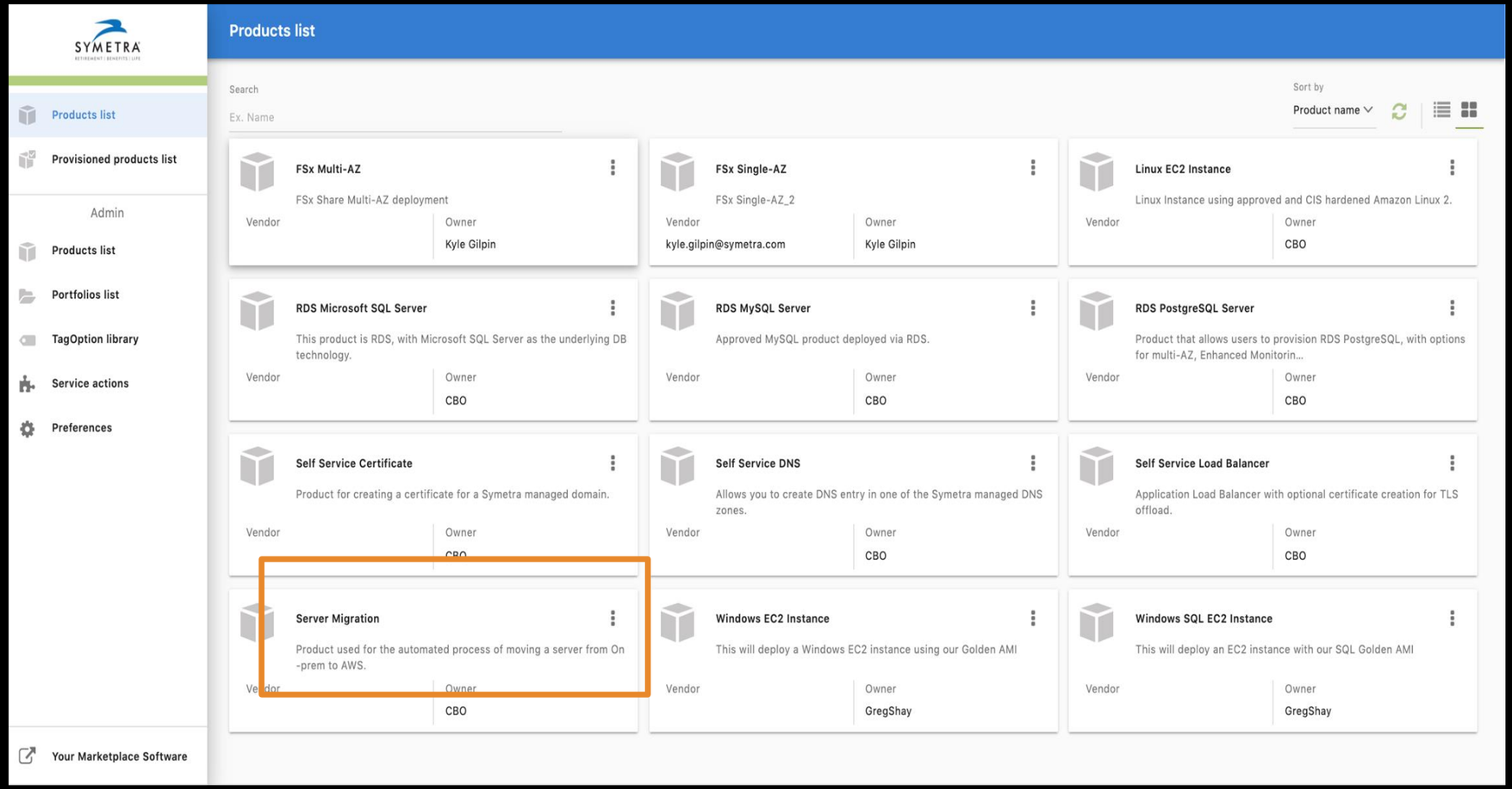
Benefit

Maximize migration progress while upskilling teams new to the technology

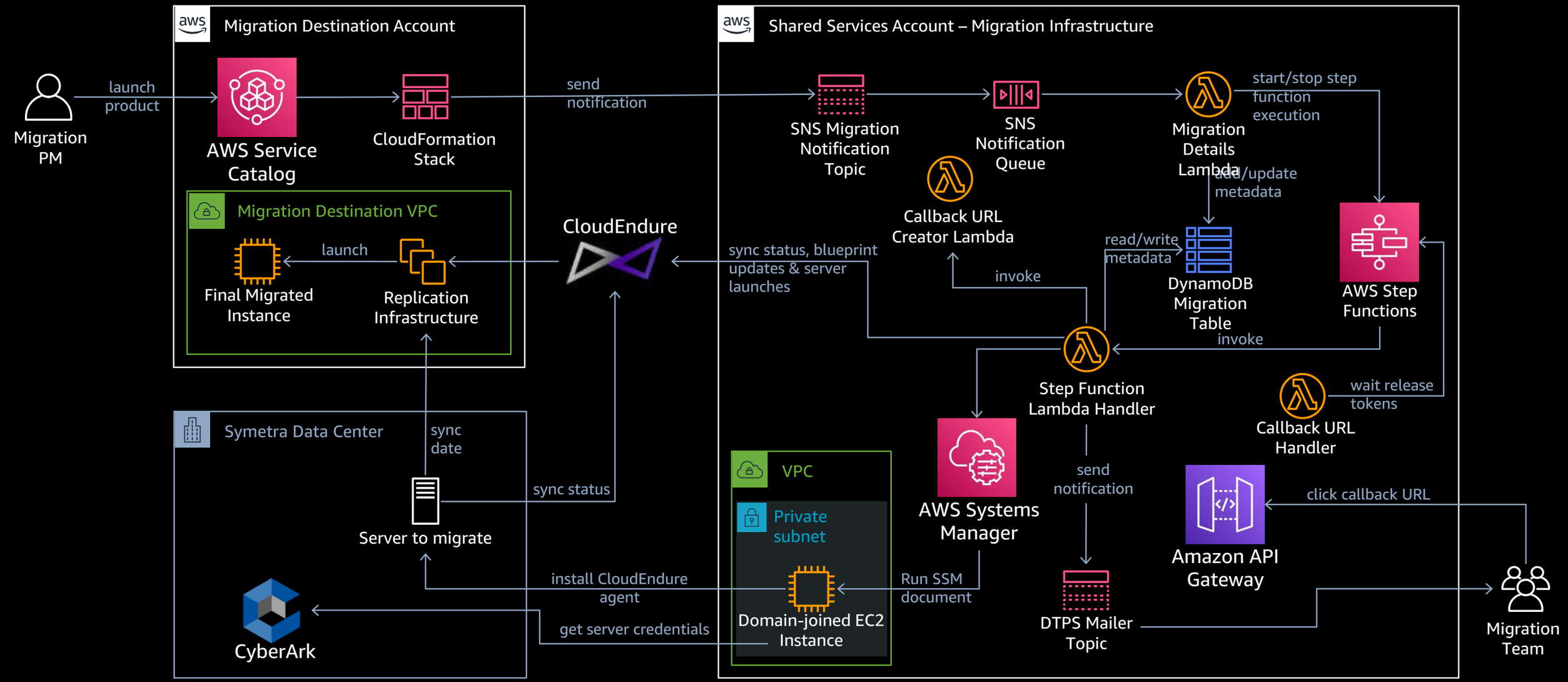
Self-service enablement with AWS Service Catalog

Self-Service Products

- Network Services
- Win + Linux Compute
- EC2 SQL + RDS DBs
- Windows File Server
- Server Migration



Self-service migration factory (Rehost)



Next steps

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Continuing the Symetra journey

- Deeper integration with internal platforms (AWS Service Management Connector)
- Mature release management (pipelines)
- Seek opportunities for automation
- Charge back model / cost optimization
- Build skills through ownership
- Think cloud first / let go of the past

Call to action



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Call to action

Build out your Cloud Center of Excellence (CCoE)

- Make it a cross-functional team of subject matter experts across the org
- Expand management & governance criteria to include cloud operations

Create migration-ready environments

- Create a well-architected multi-account framework with AWS Control Tower
- Launch Security, Identity, and Networking solutions from AWS Marketplace
- Enable self-service governance with AWS Service Catalog and CloudEndure
- Integrate operational capabilities with AWS Service Management Connector

Join us for all AWS Marketplace & AWS Data Exchange sessions:

re:Invent Week 1			
Date	Time	Session ID	Title
Tuesday, December 1	1:00- 1:30PM PT	MKT207	Find, buy, and manage software on your terms
Wednesday, December 2	8:15- 8:45AM PT	MKT202	Ignite migration and modernization with DevSecOps
Wednesday, December 2	3:00- 3:30PM PT	MKT302	Clarity and control: Managing your third-party software spend
Thursday, December 3	1:00- 1:30PM PT	MKT204	Who gets what? Manage software licenses across AWS accounts
Available on-demand starting December 4			
re:Invent Week 2			
Date	Time	Session ID	Title
Tuesday, December 8	10:30- 11:00AM PT	MKT303	Balance agility and control with curated software procurement
Tuesday, December 8	12:00- 12:30PM PT	MKT301	Greenfield to self-service automation
Wednesday, December 9	11:15- 11:45AM PT	MKT203	Migrate and build on AWS and set up software faster with experts
Thursday, December 10	2:30- 3:00PM PT	MKT205	Navigating COVID-19 and optimizing wine delivery with data
Available on-demand starting December 11			
re:Invent Week 3			
Date	Time	Session ID	Title
Tuesday, December 15	11:30AM- 12:00PM PT	MKT208	Use data to optimize your daily fantasy sports football lineups
Wednesday, December 16	8:45- 9:15AM PT	MKT206	Simplify healthcare compliance with third-party solutions
Thursday, December 17	8:45- 9:15AM PT	MKT209	Accelerate machine learning projects with pretrained models
Thursday, December 17	2:45- 3:15PM PT	MKT201	Accelerate application modernization with off-the-shelf containers

Thank you!



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