Migration and Modernization Challenges

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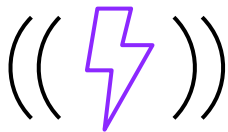
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Migration and Modernization Challenges

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Opportunity
Customer business drivers: Responding to disruption requires a new model

Innovate

Innovation
and agility
like a startup

Retire technical debt
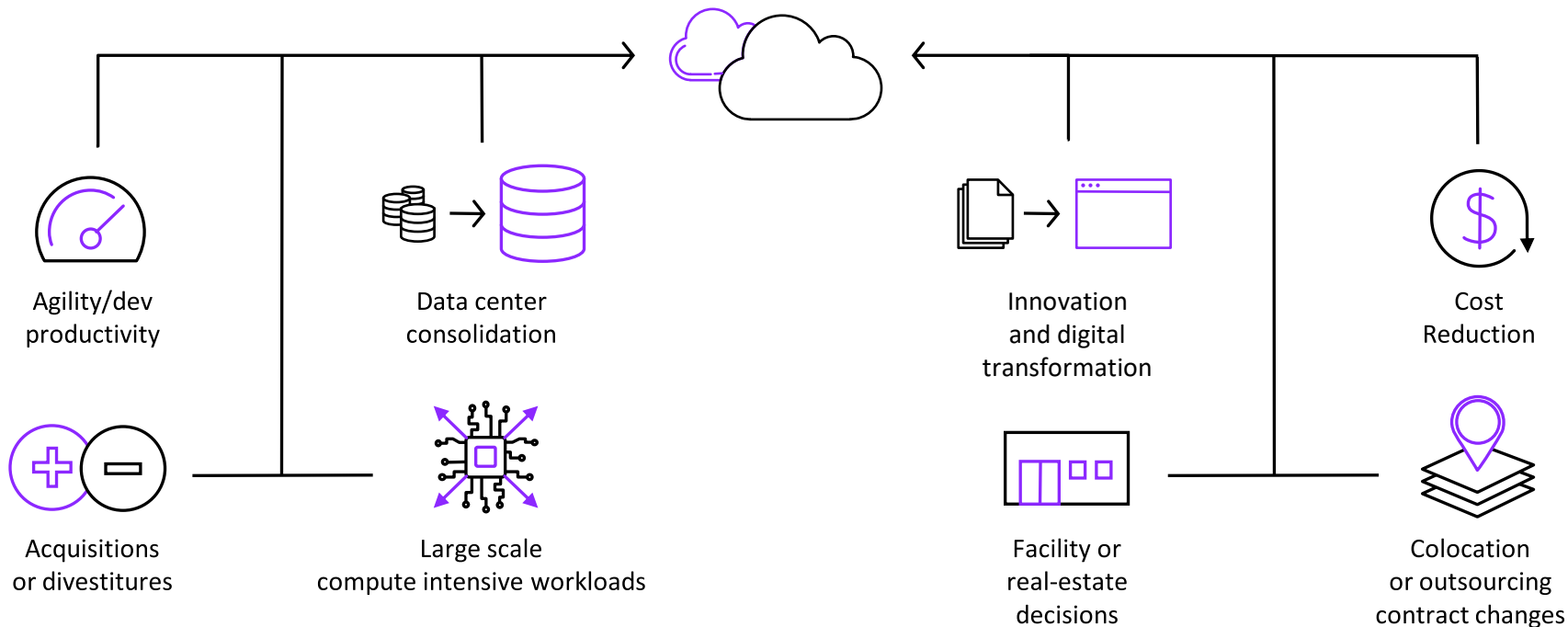
Focus IT on
what differentiates
your business

Reduce risk

Move to a more resilient IT
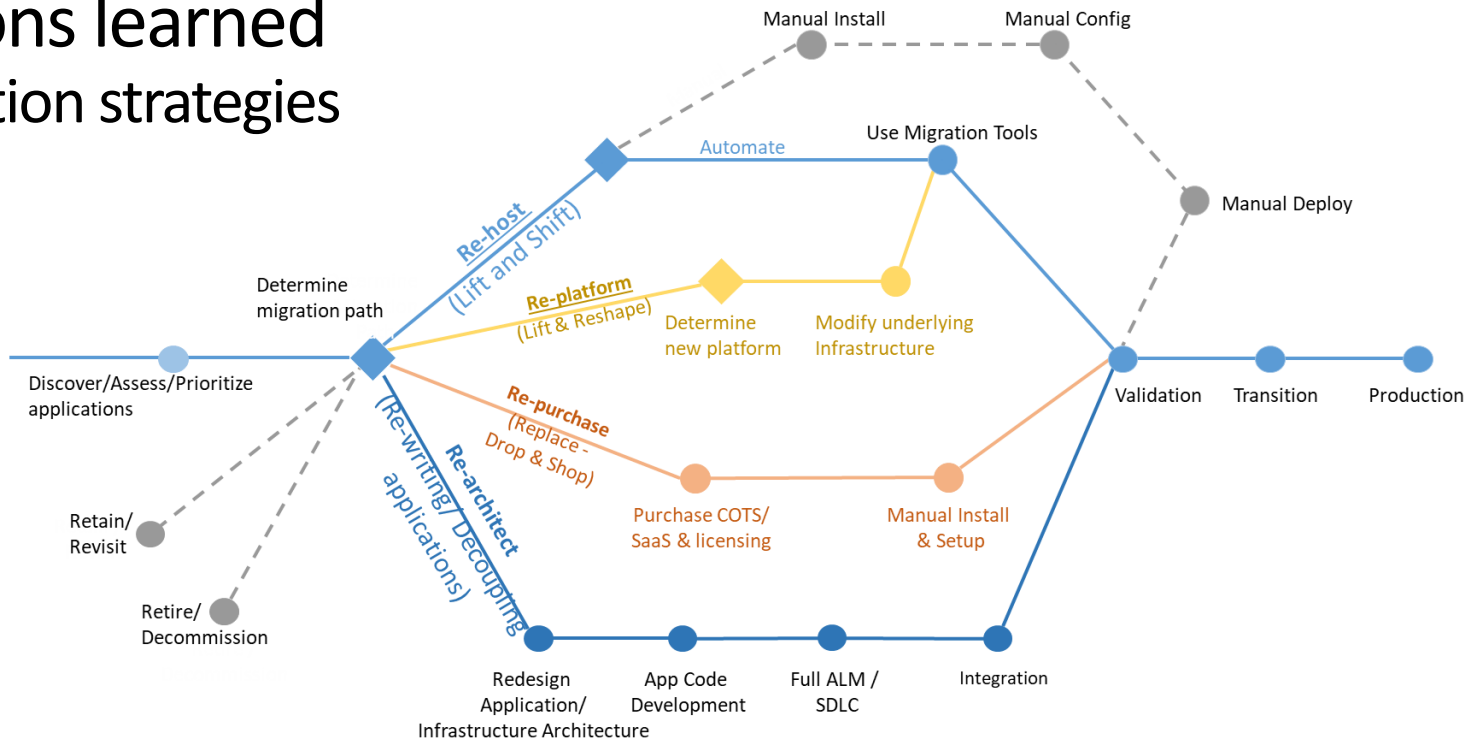services model through a secure
and proven approach

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Opportunity
Customer business drivers: Common migration reasons

Agility/dev productivity

Data center consolidation

Innovation and digital transformation

Cost Reduction

Acquisitions or divestitures

Large scale compute intensive workloads

Facility or real-estate decisions

Colocation or outsourcing contract changes

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Lessons learned
Migration strategies

Balancing speed and modernization to drive business benefit

Today we have Modern Applications

Modern applications

- Use independently scalable microservices (serverless, containers...)
- Connect through APIs
- Deliver updates continuously
- Adapt quickly to change
- Scale globally
- Are fault tolerant
- Carefully mange state & persistence
- Have security built-in
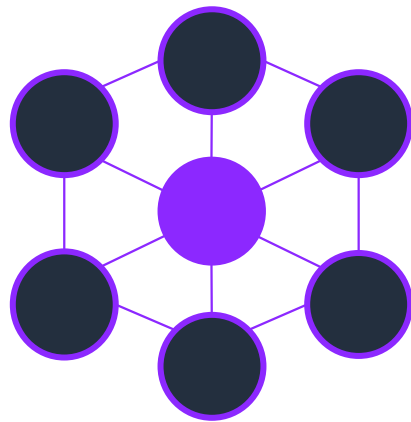
Microservice
Does one thing
Independent deployments
Independent scaling
Small impact of change
Choice of technology

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(Example) Case for a Cloud Governance Framework

"How" to adopt cloud services depends on knowing "what" effective governance is for these environments.

With Financial Services Framework (FSF), we aim to provide guidance on what effective governance on AWS looks like, how to implement it, and mechanisms for evidencing it.

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Financial Services Framework Overview

Financial Service Framework (FSF) defines controls that can be used to guide the secure implementation of AWS Services, and the use of AWS monitoring solutions to measure the ongoing effectiveness of the control environment.
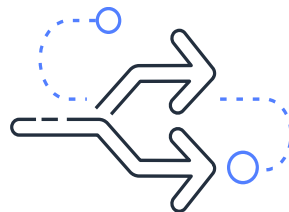
FSF leverages existing AWS solutions and, where necessary, creates new controls to help our customers onboard, secure, and operate workloads efficiently and in accordance with standards and processes – both industry and customer-specific.

AWS Security & Control Documentation

Controls-as-Code

Control Mapping

Control Validation Process

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Thank you!

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