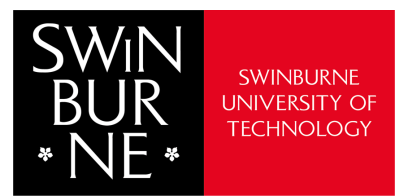


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Cloud Computing Architecture

AWS Compute Services: Serverless



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Image licensed under creative commons

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Acknowledgement of Country

We respectfully acknowledge the Wurundjeri People of the Kulin Nation, who are the Traditional Owners of the land on which Swinburne’s Australian campuses are located in Melbourne’s east and outer-east, and pay our respect to their Elders past, present and emerging.

We are honoured to recognise our connection to Wurundjeri Country, history, culture, and spirituality through these locations, and strive to ensure that we operate in a manner that respects and honours the Elders and Ancestors of these lands.

We also respectfully acknowledge Swinburne’s Aboriginal and Torres Strait Islander staff, students, alumni, partners and visitors.

We also acknowledge and respect the Traditional Owners of lands across Australia, their Elders, Ancestors, cultures, and heritage, and recognise the continuing sovereignties of all Aboriginal and Torres Strait Islander Nations.

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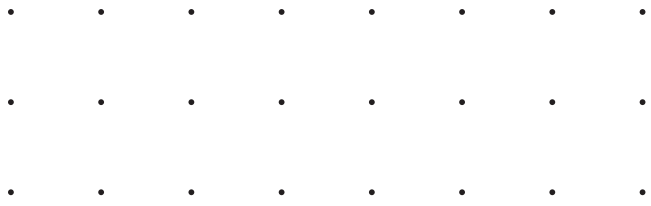
AWS Compute Services: Serverless

In this Presentation:

- Container Services
- AWS Lambda



Image from: <https://digitalcloud.training/aws-lambda/>




Container Services



Container Services




Container basics




- **Containers** are a method of **operating system virtualization**.
- **Benefits** –
 - Repeatable.
 - Self-contained execution environments.
 - Software runs the same in different environments.
 - Developer's laptop, test, production.
 - Faster to launch and stop or terminate than virtual machines

Your Container


Your application



Dependencies



Configurations

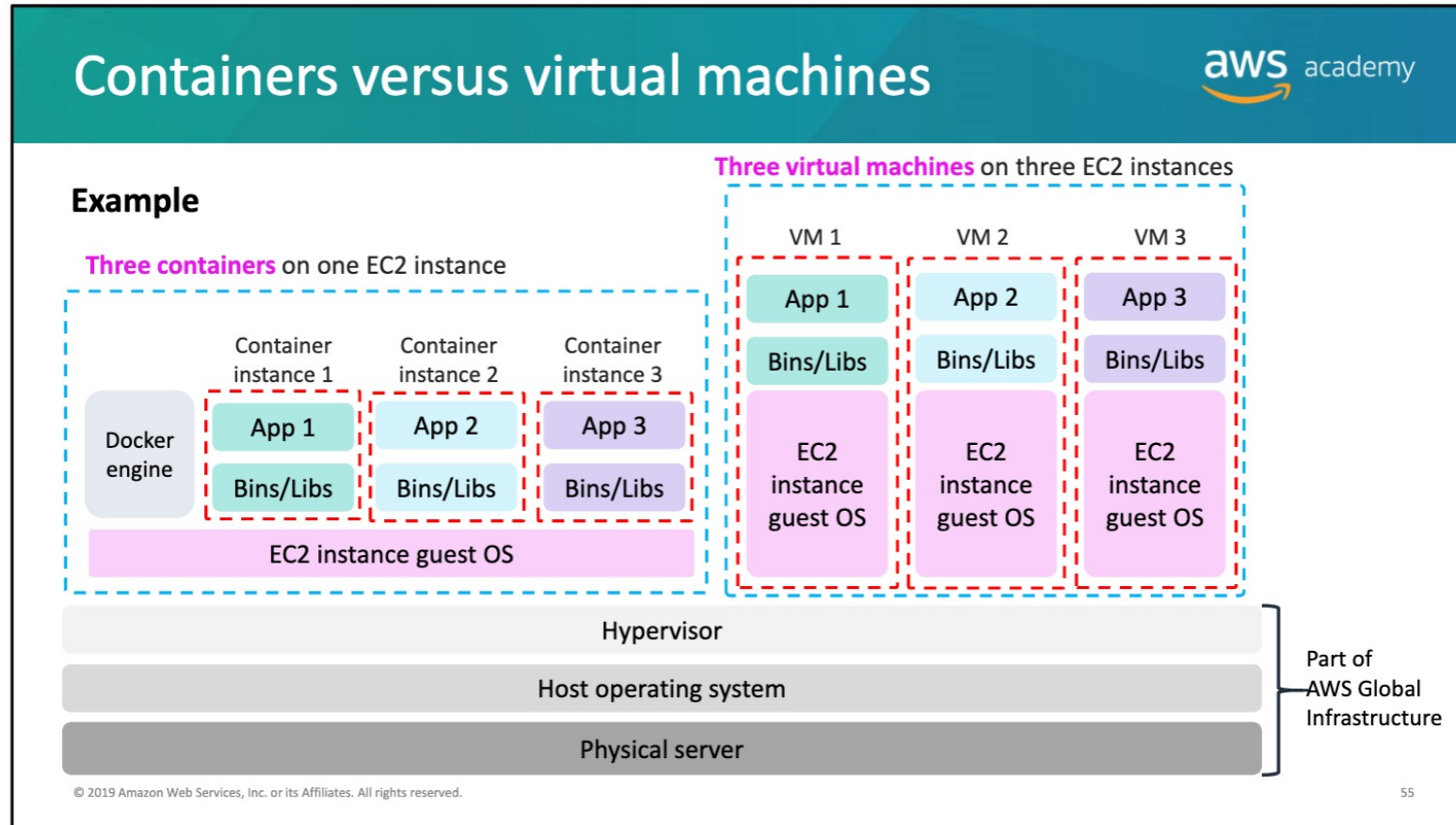


Hooks into OS

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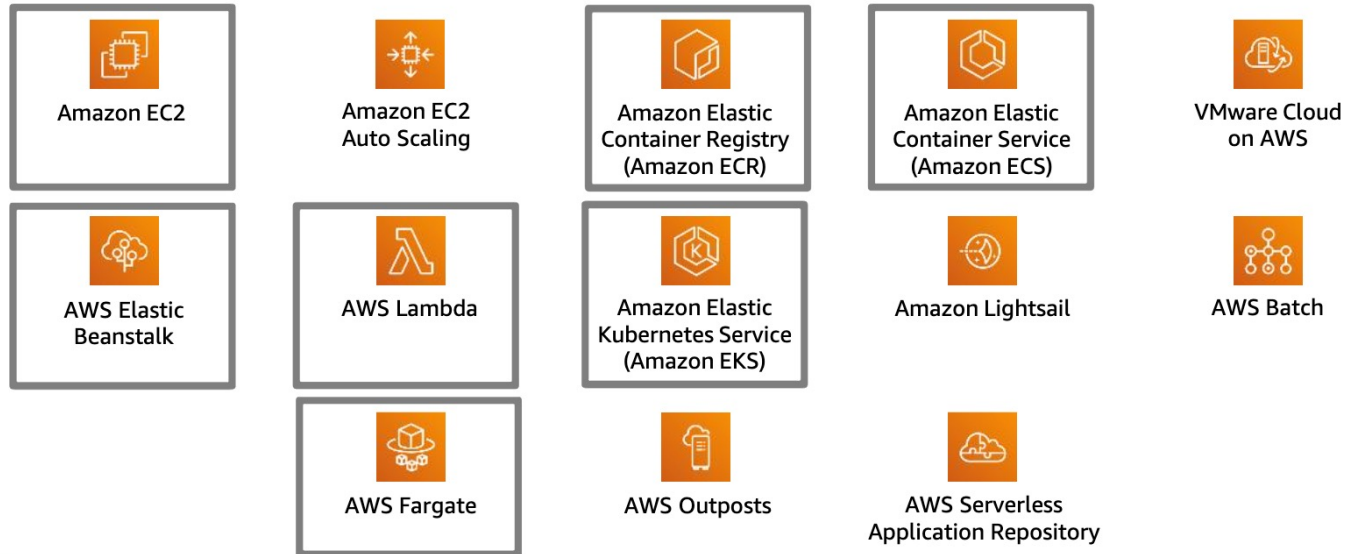
Container Services



Container Services

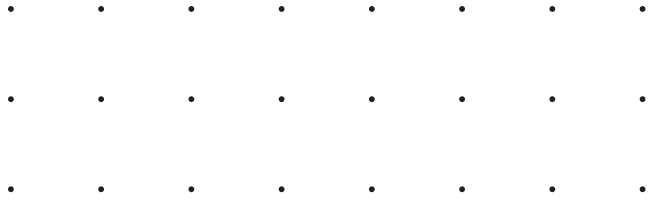
AWS compute services

Amazon Web Services (AWS) offers many compute services. This module will discuss the highlighted services.



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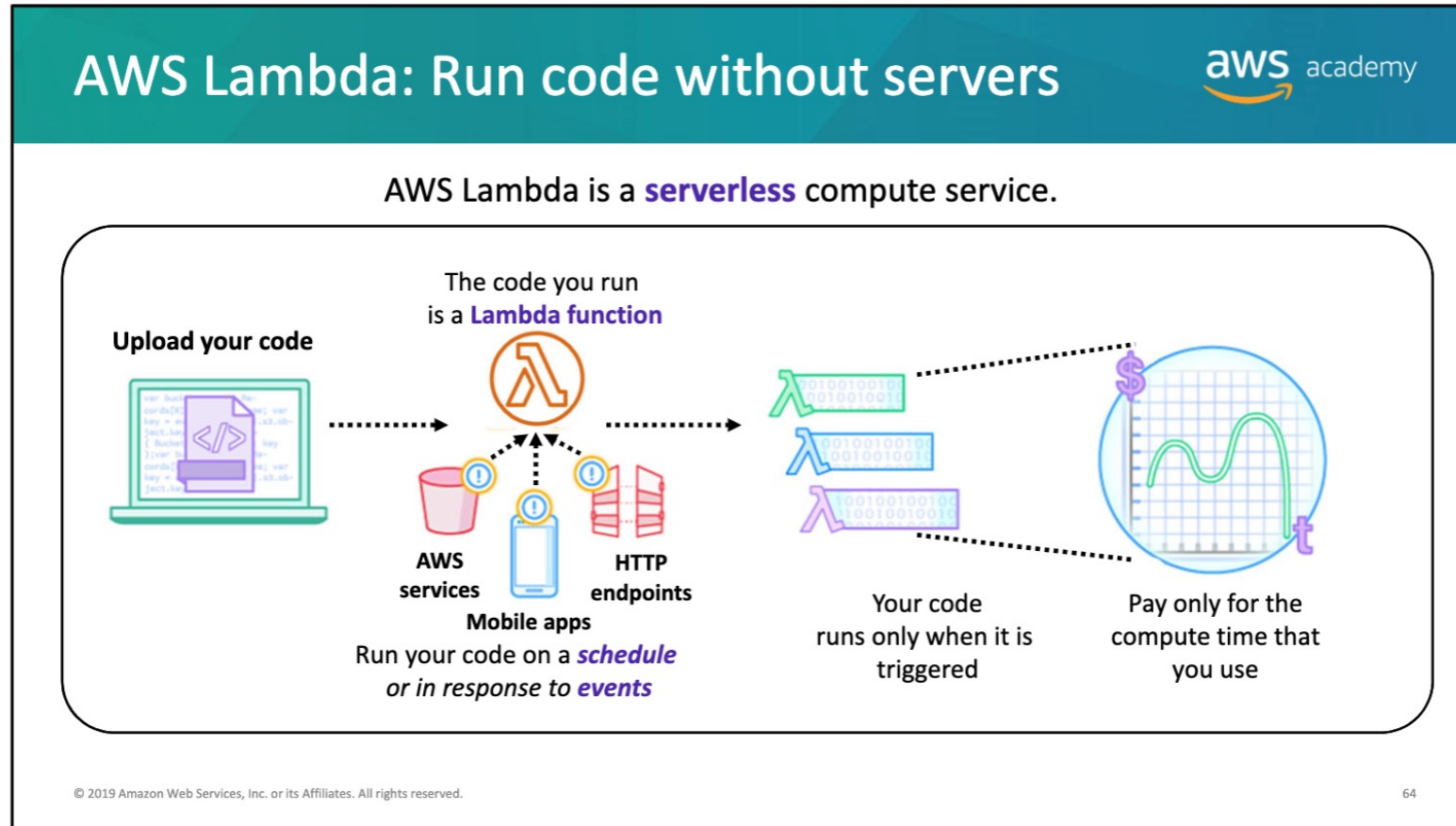
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AWS Lambda




AWS Lambda








AWS Lambda

Benefits of Lambda



**AWS
Lambda**

-  It supports multiple programming languages
-  Completely automated administration
-  Built-in fault tolerance
-  It supports the orchestration of multiple functions
-  Pay-per-use pricing

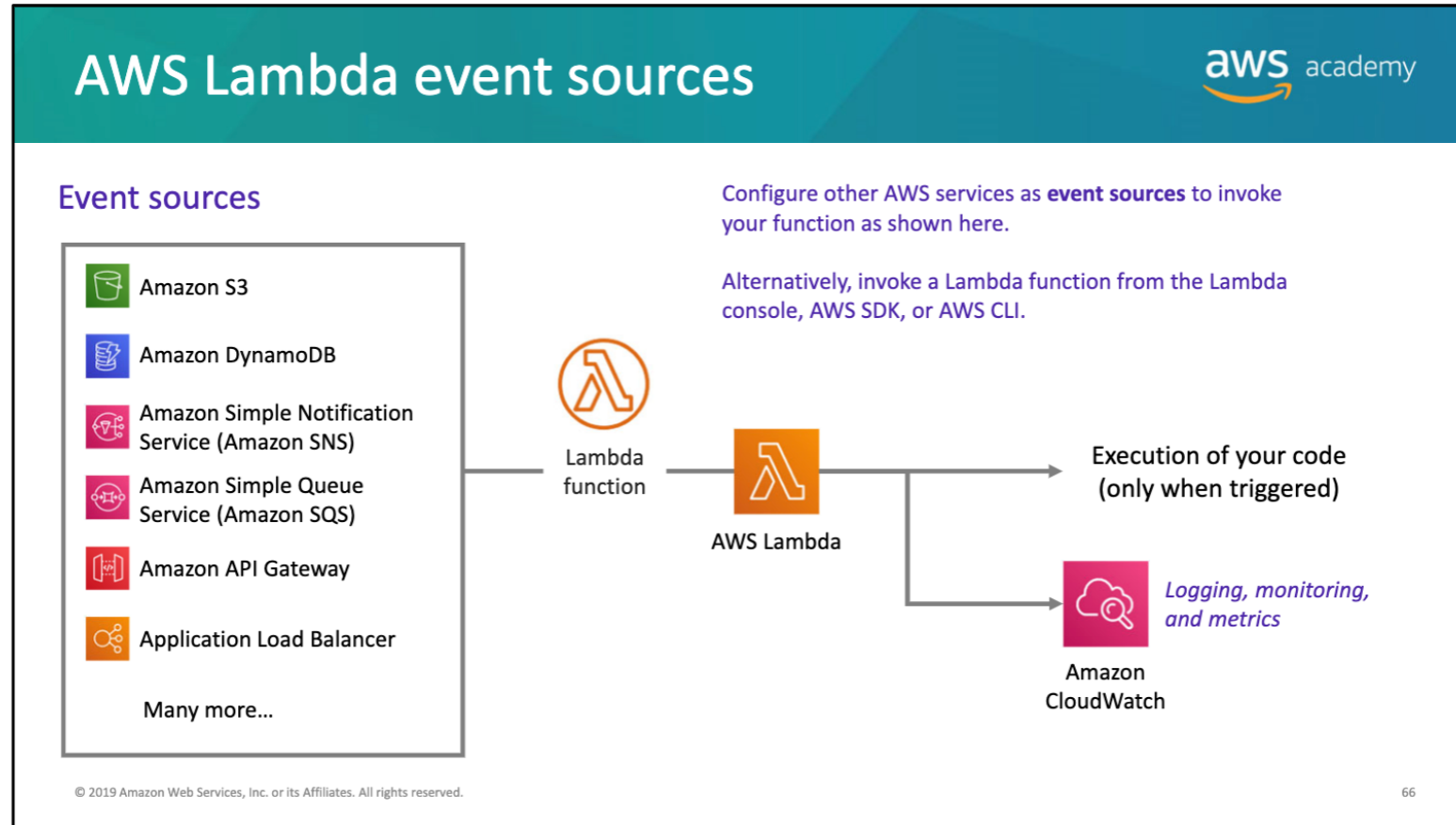
aws academy

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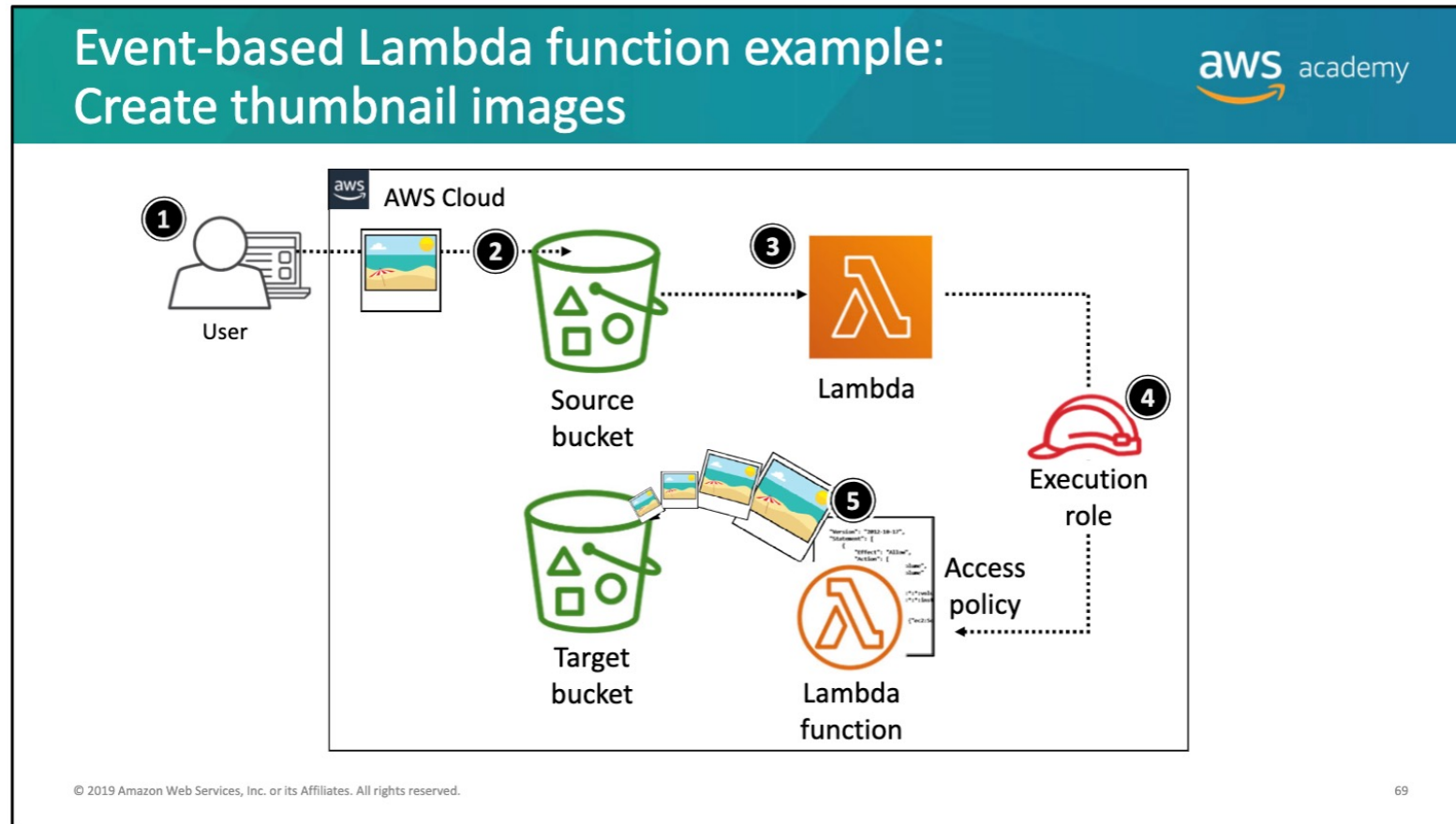
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AWS Lambda



AWS Lambda



Want to learn more?

Check out:

[AWS Academy – ACF Module 6: Compute](#)

[AWS Documentation](#)

