

# AWS re:Invent

NOV. 28 – DEC. 2, 2022 | LAS VEGAS, NV

CON315-R

# Managing Hybrid Container Workloads at Scale with ECS Anywhere

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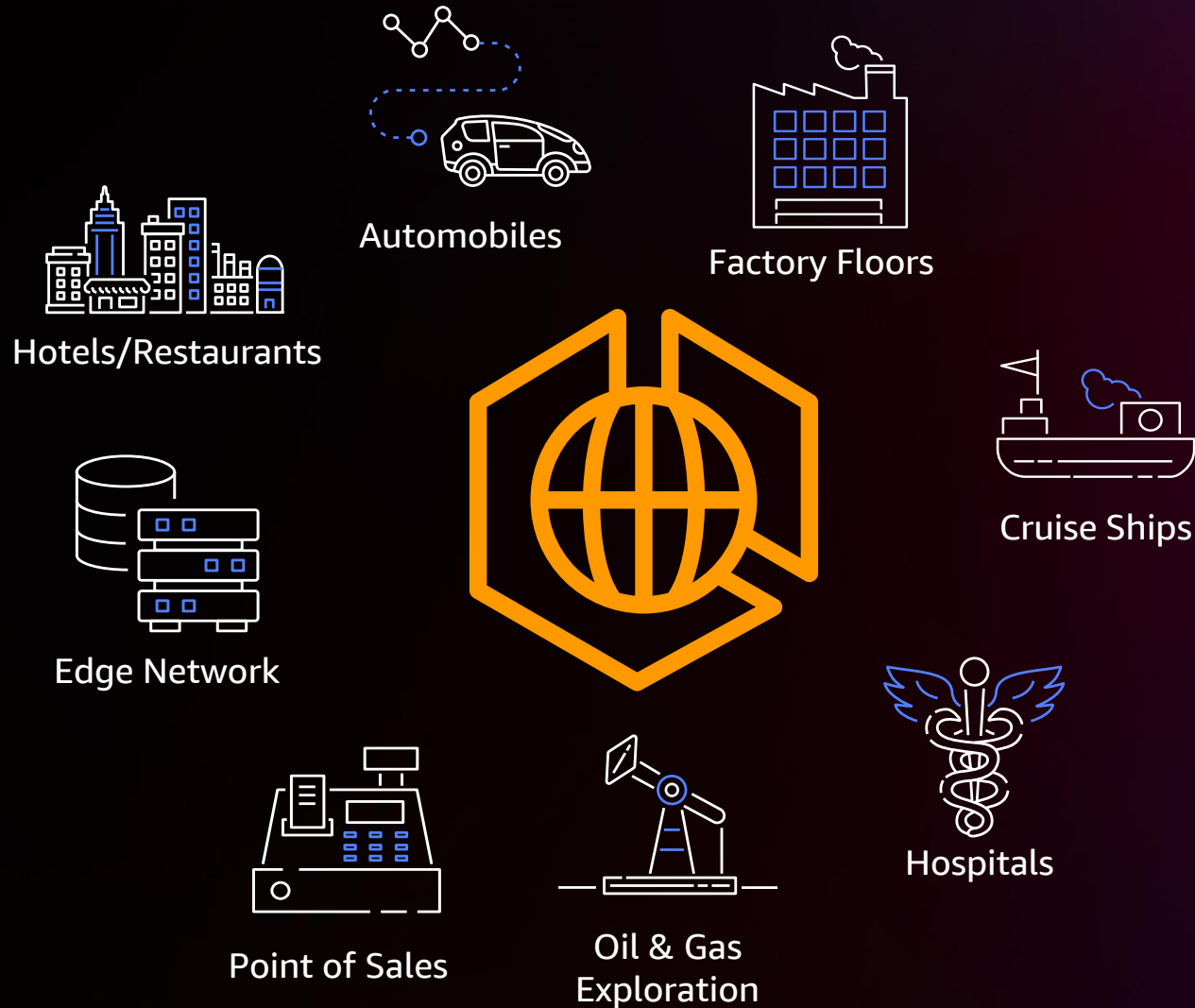
# Agenda

ECS Anywhere Overview

ECS Anywhere use cases at scale

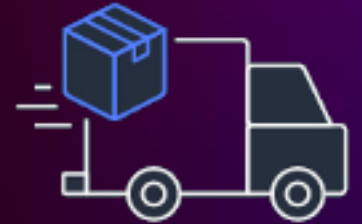
Considerations for deploying at scale

# Planetary Scale Containers, powered by AWS



# Why on-premises container management?

- Benefits of containers are **universal**
  - Uniform deployment and lifecycle
  - Faster iteration and deployment cycles
  - Reproducible builds
  - Predictable behavior
- On-premise computing is not going away
- ECS Anywhere also works on the Edge



# How Customers are Using ECS-A



With cloud native integration to ECS and a centralized cloud control plane, 3dEYE can fully manage their video streaming application on 3rd party's data centers 10x more efficiently.

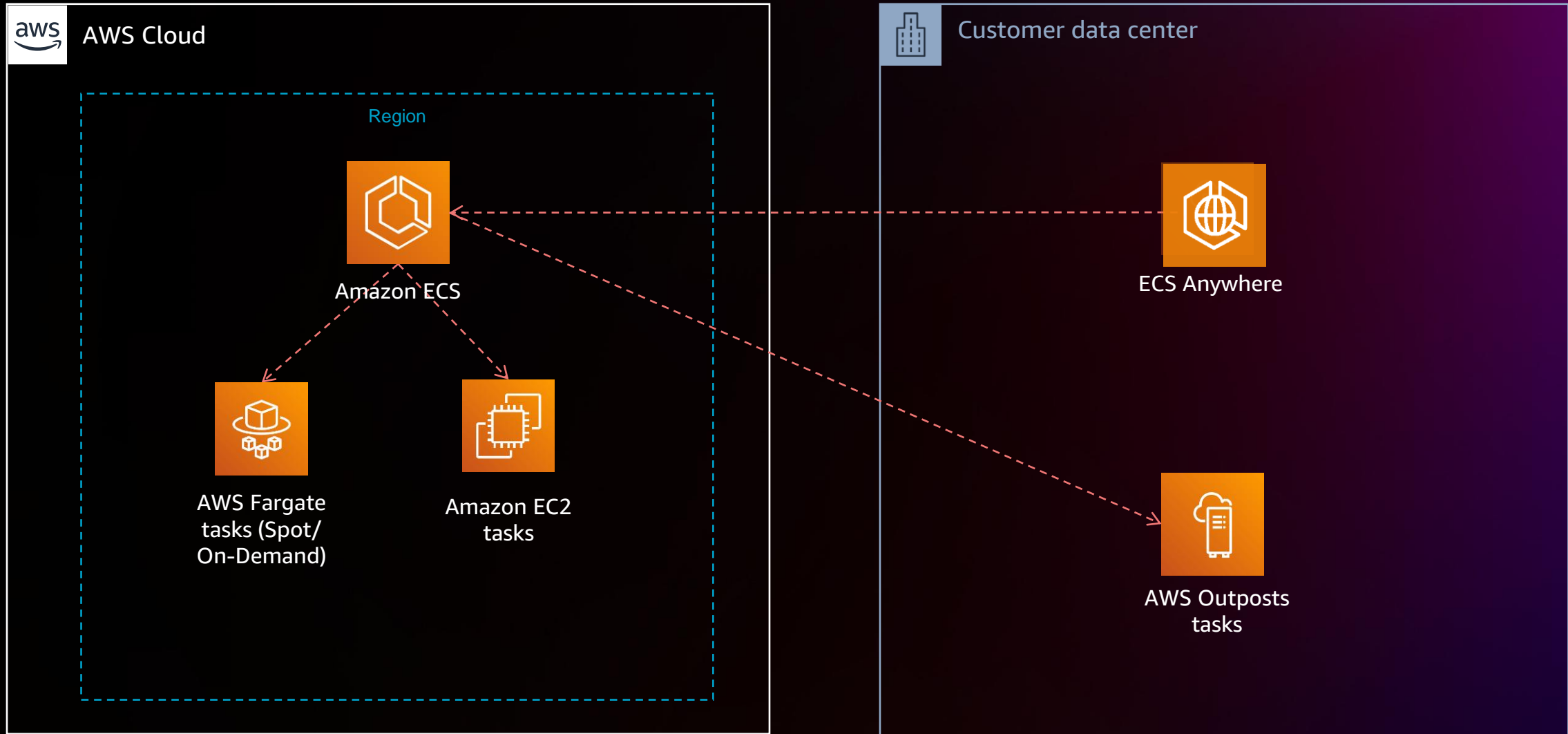


Tempus Ex processes live video for a major sports league at 40x speed in hybrid solution using ECS Anywhere for its on-premises hardware.

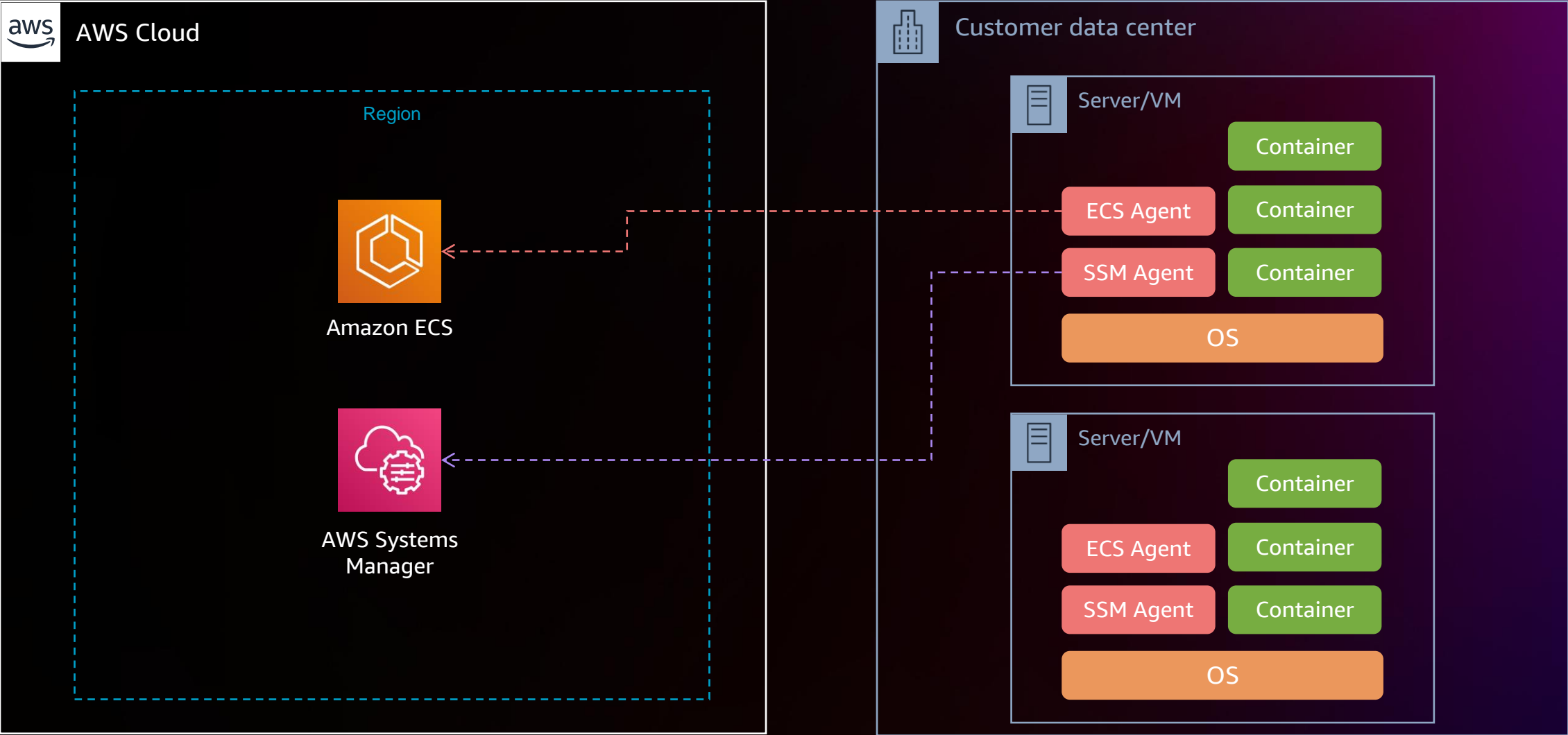


ECS Anywhere helps to expand faster by maintaining the same deployment processes, metrics and tools for on-premises and in the cloud.

# Use any combination of compute you need

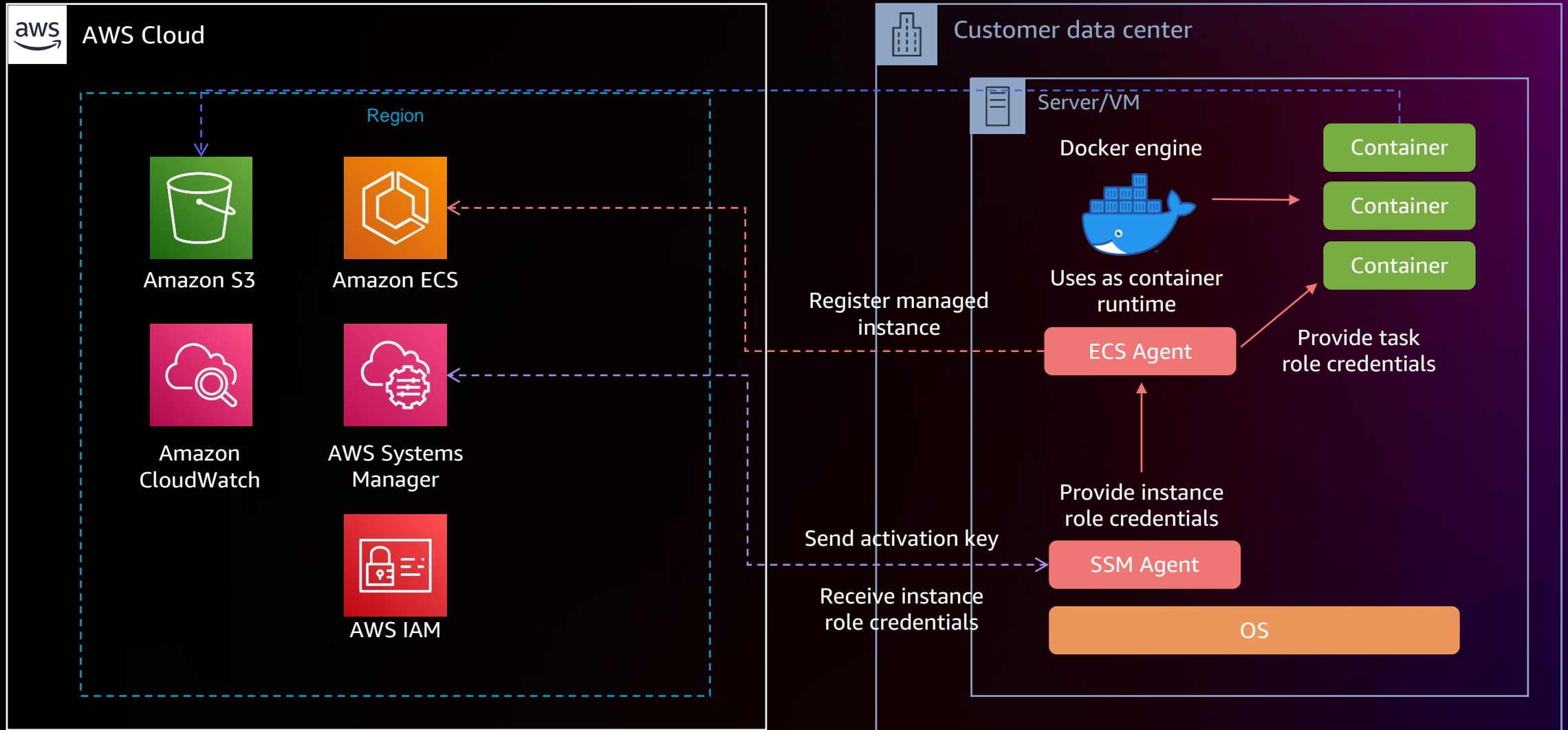


# How does it work?

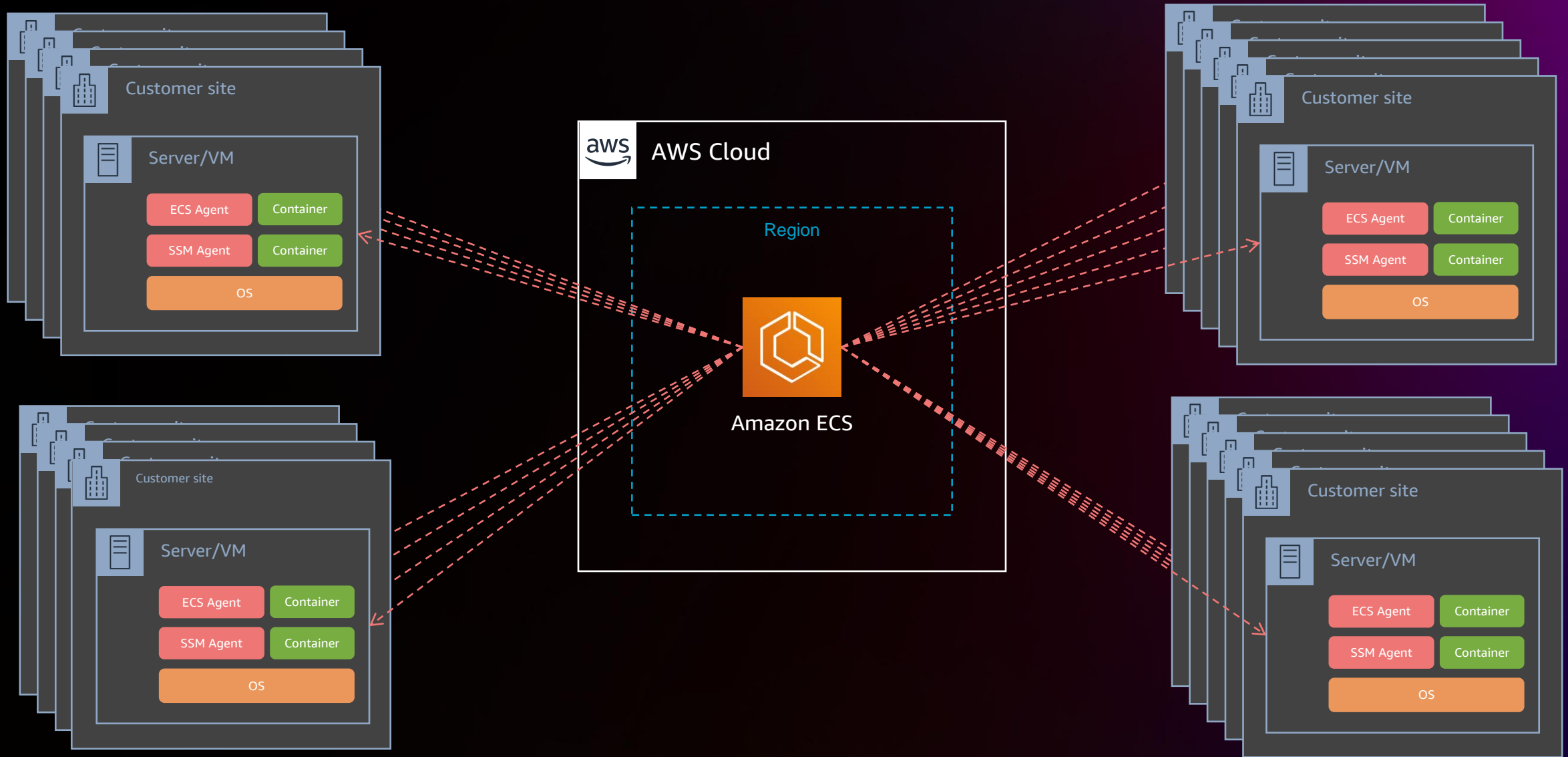




# A closer look



# Scale to **thousands** of sites



## Container instances (1000) [Info](#)



Register external instances

Actions ▼

< 1 2 3 4 5 6 7 ... 200 >

<input type="checkbox"/>	Container instance ▼	Status ▼	Type ▼	Instance ID  ▼	Availability zo... ▼	Running tasks... ▼	CPU available ▼	Mem
<input type="checkbox"/>	<a href="#">0021740cd3a94b39...</a>	✔ Active	External	<a href="#">mi-0944d817f5f7a5...</a>	-	0	2048	185
<input type="checkbox"/>	<a href="#">002fb1ce7ea04deba...</a>	✔ Active	External	<a href="#">mi-0d5e03ad26384...</a>	-	0	2048	185
<input type="checkbox"/>	<a href="#">0046687487574d08...</a>	✔ Active	External	<a href="#">mi-047df6206001f4...</a>	-	0	2048	781
<input type="checkbox"/>	<a href="#">009eb4b186e7469d...</a>	✔ Active	External	<a href="#">mi-0a0737db2a8e1...</a>	-	0	2048	384
<input type="checkbox"/>	<a href="#">00af3c150c174e5b...</a>	✔ Active	External	<a href="#">mi-0f2920eb20b20...</a>	-	0	2048	384

## Tasks (1/1000)



Filter tasks by property or value

< 1 2 3 4 5 6 7 ... 20 > ⚙️

	Task ▾	Last status ▾	Desired st... ▾	Task ... ▾	R...	Health sta... ▾	Started at ▾	Container instan... ▾	Launch type
<input checked="" type="radio"/>	00316...	✓ Running	✓ Running	demo-anywh	1	ⓘ Unknown	8 minutes ago	55bacb505b1247a...	EXTERNAL
<input type="radio"/>	006f9a...	✓ Running	✓ Running	demo-anywh	1	ⓘ Unknown	6 minutes ago	47347d5cab8488...	EXTERNAL
<input type="radio"/>	00b98...	✓ Running	✓ Running	demo-anywh	1	ⓘ Unknown	1 minute ago	5dc07ba3c77e4c62...	EXTERNAL
<input type="radio"/>	01a46...	✓ Running	✓ Running	demo-anywh	1	ⓘ Unknown	8 minutes ago	1ae395a3a5284c4c...	EXTERNAL
<input type="radio"/>	01bffe...	✓ Running	✓ Running	demo-anywh	1	ⓘ Unknown	6 minutes ago	241187e27a00486...	EXTERNAL
<input type="radio"/>	01d5fb...	✓ Running	✓ Running	demo-anywh	1	ⓘ Unknown	1 minute ago	72d764aecd70469...	EXTERNAL
<input type="radio"/>	0322f9...	✓ Running	✓ Running	demo-anywh	1	ⓘ Unknown	8 minutes ago	3d1a4f78034f4134...	EXTERNAL
<input type="radio"/>	033c3...	✓ Running	✓ Running	demo-anywh	1	ⓘ Unknown	1 minute ago	02fe74228efe40bf...	EXTERNAL
<input type="radio"/>	03f84e...	✓ Running	✓ Running	demo-anywh	1	ⓘ Unknown	1 minute ago	fc590b7a1d0540da...	EXTERNAL
<input type="radio"/>	046c6c...	✓ Running	✓ Running	demo-anywh	1	ⓘ Unknown	8 minutes ago	0dad4270a724408...	EXTERNAL
<input type="radio"/>	047df2...	✓ Running	✓ Running	demo-anywh	1	ⓘ Unknown	6 minutes ago	4e088424c896488...	EXTERNAL

# Considerations at scale



# Thank you!

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