

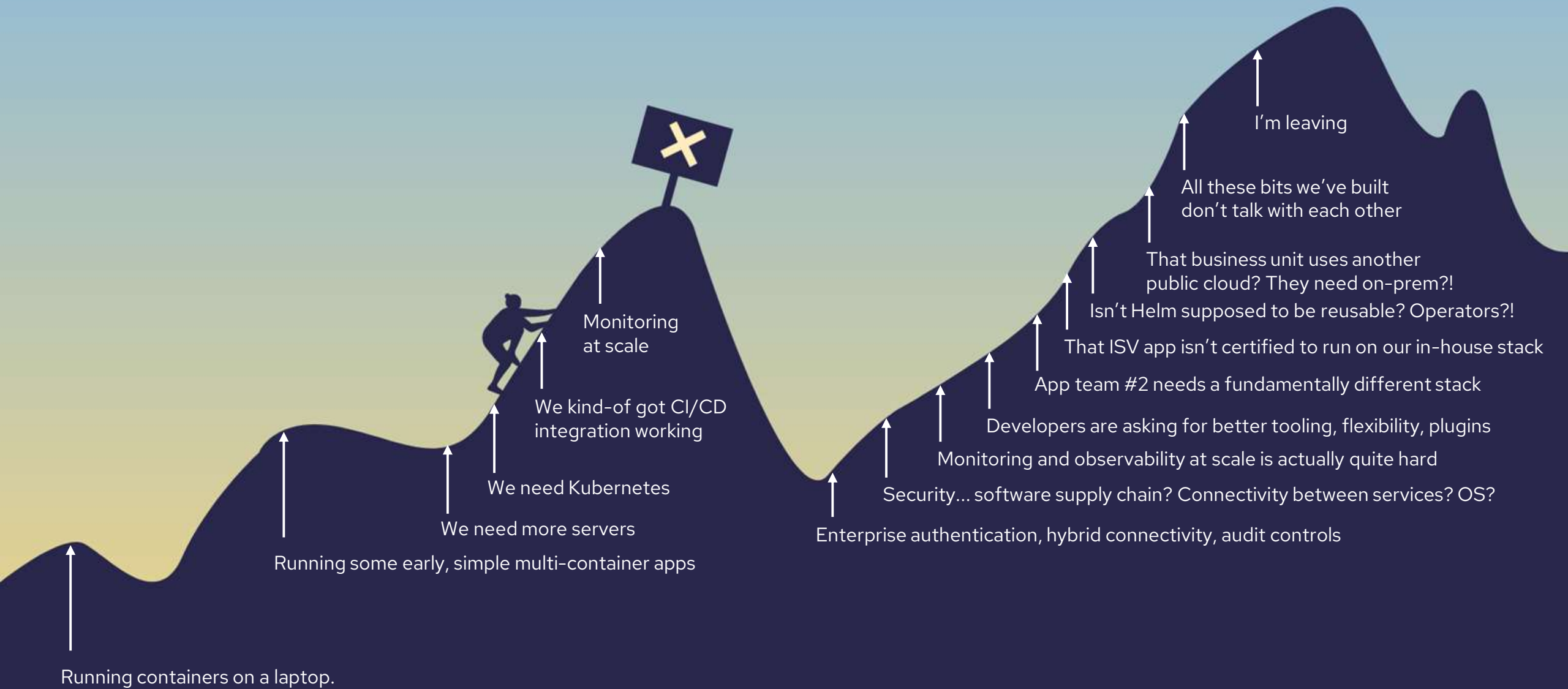
A Secured Hybrid Cloud Experience



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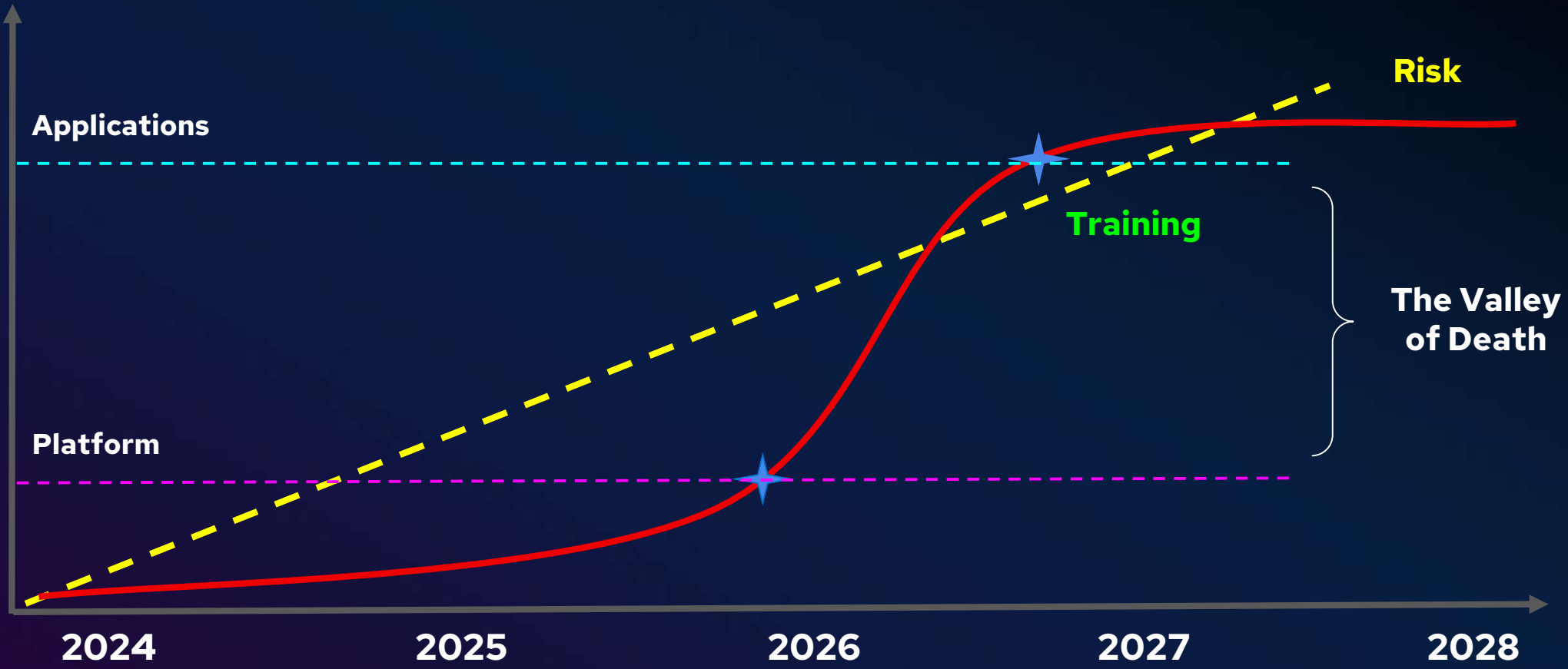


The Platform Trail

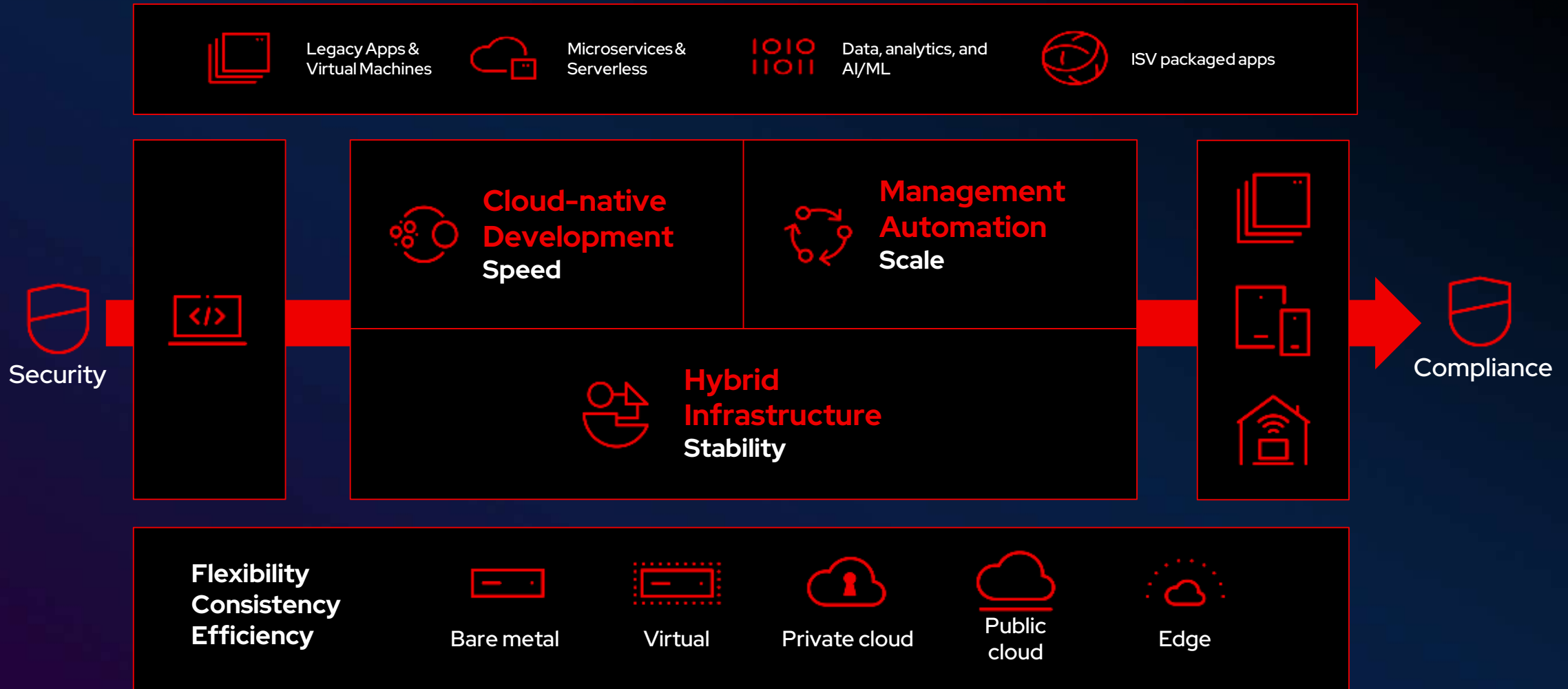


The Platform Trail

Business Value



Red Hat Open Hybrid Cloud with OpenShift



Red Hat OpenShift on AWS (ROSA)



Turnkey application platform with integrated services, tools, and supported by AWS and Red Hat.



Managed Kubernetes & components to reduce complexity while improving Security by AWS and Red Hat.



Consistent hybrid cloud experience and cloud choice



Build, Test, Deploy

Apply the heart of DevSecOps policy & procedure on a consistent infrastructure foundation.

Run and Manage

with consistency and unified security.

Design & Code

using cloud-native dev tools & application technology while benefiting from DevSecOps right at the start.



Most customers choose to run OpenShift on AWS because they want to keep existing tools and practices while leveraging investments in the vast AWS services portfolio

ROSA is the easiest and most convenient way to pay for and deploy fully supported and managed OpenShift clusters on AWS

Red Hat OpenShift Service on AWS
Fully managed Red Hat OpenShift service on AWS

How it works

- 1. Provision
- 2. Deploy
- 3. Manage
- 4. Upgrade

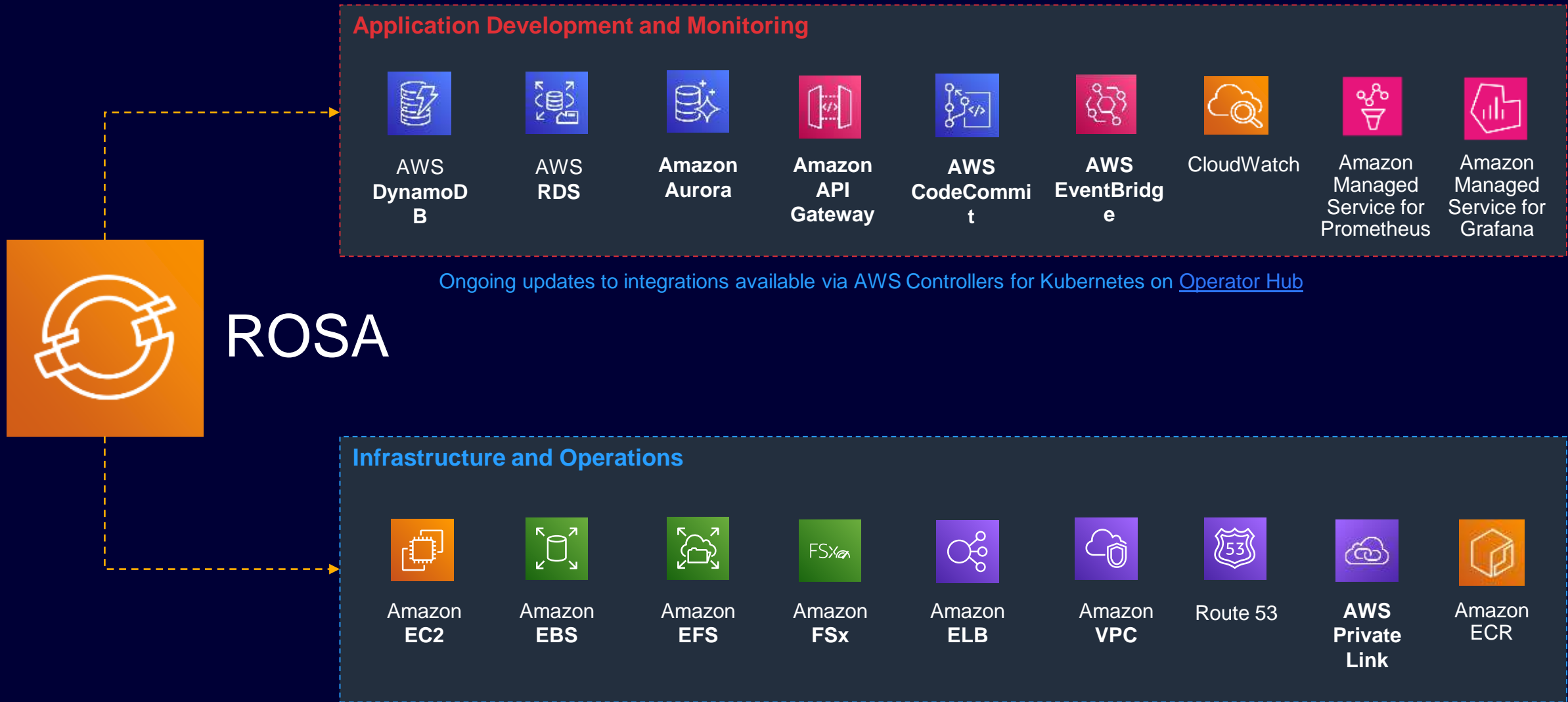
Benefits

Pricing (US)

Control plane	\$0.00/cluster
Worker nodes (hourly)	\$0.17714/instance
Worker nodes (monthly)	\$1,582.94/instance

Getting started

Accelerate Migration to Cloud with Integrated AWS Services



AWS security, identity, and compliance solutions



Identity and access management

AWS Identity and Access Management (IAM)

AWS IAM Identity Center

AWS Organizations

AWS Directory Service

Amazon Cognito

AWS Resource Access Manager

Amazon Verified Permissions



Detective controls

AWS Security Hub

Amazon GuardDuty

Amazon Security Lake

Amazon Inspector

Amazon CloudWatch

AWS Config

AWS CloudTrail

VPC Flow Logs

AWS IoT Device Defender



Infrastructure protection

AWS Firewall Manager

AWS Network Firewall

AWS Shield

AWS WAF

Amazon VPC

AWS PrivateLink

AWS Systems Manager

AWS Verified Access



Data protection

Amazon Macie

AWS Key Management Service (KMS)

AWS CloudHSM

AWS Certificate Manager

AWS Private CA

AWS Secrets Manager

AWS VPN

Server-Side Encryption



Incident response

Amazon Detective

Amazon EventBridge

AWS Backup

AWS Security Hub

AWS Elastic Disaster Recovery



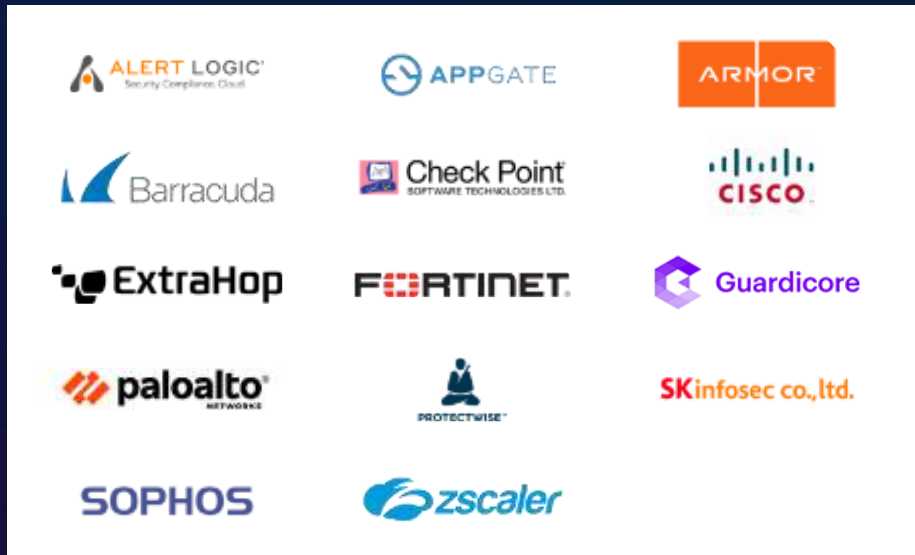
Compliance

AWS Artifact

AWS Audit Manager

Large community of security partners & solutions

Network and Infrastructure security



Identity and Access Control



Vulnerability and configuration analysis



Logging, Monitoring, SIEM, Threat Detection and Analytics



Host and Endpoint Security



Application Security



Data protection and data encryption



Consulting and “Technology Competency” partner

Security Engineering



Governance, Risk- and Compliance-Management



Security Operations and Automation



AWS extends the cloud to where customers need it

REGIONS



AWS global infrastructure

AWS European Sovereign Cloud (announced)

METRO AREAS & TELCO NETWORKS



Amazon CloudFront
AWS Local Zones
AWS Wavelength

ON PREMISES



AWS Outposts
AWS Dedicated Local Zones
Amazon ECS Anywhere
Amazon EKS Anywhere

FAR EDGE



AWS Snow Family
Integrated Private Wireless
AWS Private 5G
AWS IoT

← **Same services, architecture, APIs, and tools for a consistent experience** →

AWS Dedicated Local Zones

AWS INFRASTRUCTURE FULLY MANAGED BY AWS,
BUILT FOR EXCLUSIVE USE BY A CUSTOMER OR COMMUNITY

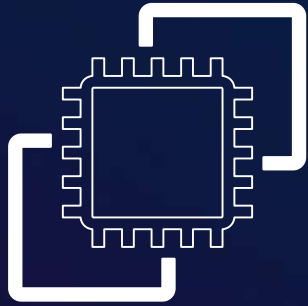


- AWS infrastructure placed in a customer-specified location or data center to help comply with regulatory requirements
- Offer the same benefits of Local Zones, such as elasticity, scalability, and pay-as-you-go pricing, and the ability to establish further security and governance features
- Can be operated by local AWS personnel

AWS Outposts services today



AWS Nitro System – Confidential compute



AWS Nitro System

All interactions with the AWS Nitro System are through narrow, authorized, and authenticated APIs

There is no mechanism for any system or person to log in to the underlying Amazon EC2 host (no operational access)

There is no interactive access (no SSH, no general-purpose access of any kind)

Debugging features can't disclose customer data

Nitro Systems run in an isolated network

More options to control the key: AWS KMS External Key Store (XKS)



- Full removal of root of trust from AWS KMS
- Transparent to AWS services and client applications
- Flexibility on which keys you choose to store in external key manager
- Customer owns the key in meaningful ways (e.g., turn off XKS and AWS data becomes unreadable)

AWS Data Privacy & Security Differentiation



Storage: Customers choose the AWS Region(s) in which their content is stored and the type of storage to comply with data sovereignty regulations.



Security: Customers choose how their content is secured. AWS uses FIPS 140 validated HSMs for storing cryptographic key material and NIST standardized cryptographic primitives, algorithms and schemes.



Access: AWS prohibits, and our systems are designed to prevent, remote access by AWS personnel to customer data for any purpose, including service maintenance, unless access is requested by the customer, is required to prevent fraud and abuse, or to comply with law.



Disclosure of Customer Content: We will not disclose customer content unless we're required to do so to comply with the law or a binding order of a government body.



Security Assurance: AWS security protections and control processes are independently validated by multiple third-party independent assessments. 2,500 security controls audited each year.

Third-party validation



Customer Stories



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Fachklinikum Mainschleife

Using the cloud to safeguard its patient and medical data and comply with regulatory requirements

**30+ applications
and workflows**

built on AWS

**10+ TB of patient
and medical data**

migrated to the cloud

Cost savings

on encryption and storage

**100% cloud
infrastructure**

as the first German hospital



Safeguarding Ukraine's data to preserve its present and build its future

42

Government
authorities

10PB+

of Ukrainian citizen data
migrated to AWS

24

Ukrainian
universities

"From the day I began working with the AWS team, I have been impressed by their singular focus on helping the Ukrainian people and ensuring that our government can continue working despite external disruption. What is also amazing is that, in responding to our immediate needs, we have never lost sight of the future, of building a better Ukraine augmented by new, cutting-edge cloud technologies."

Vadym Prystaiko
Ukraine's Ambassador to the United Kingdom



Singapore Government's Smart Nation and Digital Government Group (SNDGG) collaborated with AWS to define and build Dedicated Local Zones to help us meet our stringent data isolation and security requirements, enabling Singapore to run more sensitive workloads in the cloud securely.

Chan Cheow Hoe

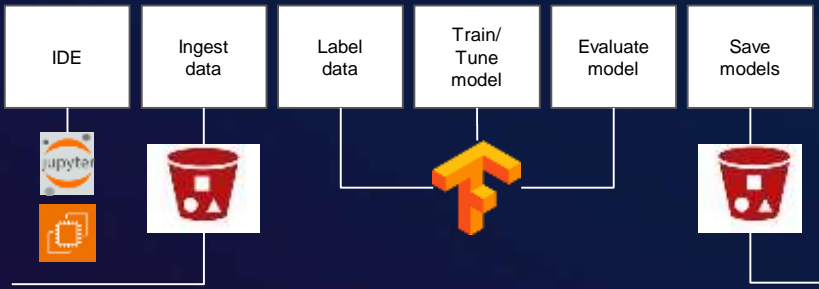
Government Chief Digital Technology Officer of Singapore

Amazon SageMaker & OpenShift for data science

Combing AI with app modernization SageMaker/ROSA fingerprint model training



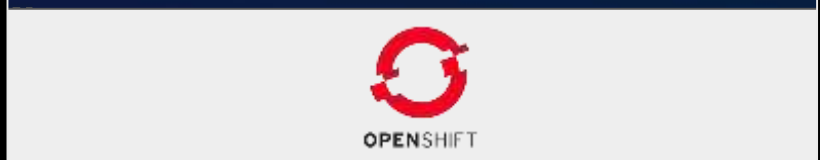
Data scientist
Data engineers



Starburst, Label Studio, Snorkel | SageMaker notebook instance | ODH/RHODS notebook Amazon SageMaker SDK



MLOps engineer

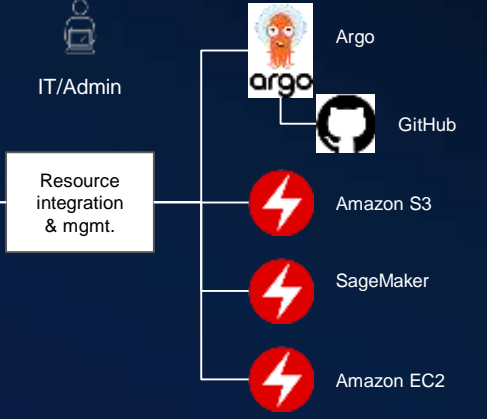


SageMaker endpoints | SageMaker containers for Docker images | Amazon SageMaker Model Monitor | Amazon SageMaker Clarify

Clients



IT/Admin



Learn about AWS Digital Sovereignty



<https://aws.amazon.com/compliance/digital-sovereignty/>