# Atos Digital Kubernetes Service Powered by Amazon EKS Anywhere

In today's ever-changing technological landscape, business priorities, and legal requirements, a modern business move to using public cloud services is faced with a daunting set of desired outcomes:

- Accelerate the Business Transformation and Adoption by users and customers
- Enable New Business Models supporting revenue growth while improving Resilience
- Generate Short and Mid-Term Cost Optimization
- Guarantee Security & Data Protection, including Cloud Sovereignty and compliance to standards like GAIA-X
- Provide Reversibility and Sustainability of the services consumed
- Avoid Vendor Lock-In with full Transparency, Portability, and Interoperability from Edge to Cloud

As one of the ways Atos is working with customers to meet these needs, Amazon EKS Anywhere is emerging as a preferred way to provide a flexible, container-based solution that allows customers to utilize an extremely flexible solution which leverages the strength and feature-rich cloud-based Amazon Elastic Kubernetes Service (EKS) as an on-premise solution. This technology enables customers to easily create and operate Kubernetes clusters on your own virtual machines (VMs) and bare metal servers, allowing for automating deployment, scaling, and management of containerized applications in a variety of different configurations to meet customer and application-specific configurations.

While Amazon EKS is a fully managed, certified, and conformant version of Kubernetes on AWS Public Cloud, Amazon EKS Anywhere allows you to run EKS on premise or private cloud with full lifecycle management in three modes of fully disconnected, partially disconnected or fully connected on your choice of hardware and storage:
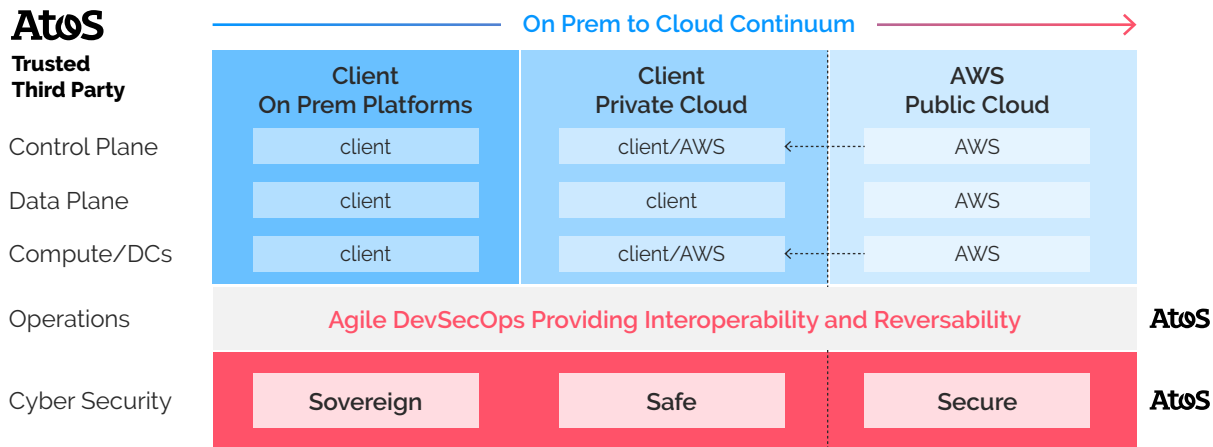
By utilizing the existing feature-rich and highly reliable Amazon EKS Anywhere solution while allowing customers flexibility to choose one (or multiple) deployment methods, enterprises now can control both the data sovereignty aspects as well as operational run costs of their application infrastructure in a well-known and familiar environment. This includes:

- Access to AWS services on-prem, which enables the development of data platforms supporting business use cases,
- Standardized architecture across various delivery models, and
- Ease of move to cloud with full control over data and control plane

Atos Digital Kubernetes Service Powered by Amazon EKS Anywhere

Atos will integrate its own assets (Sequana S servers, Trustway encryption) and continue to develop new services and enhance existing ones to provide value added functionality for customers in later releases. These enhanced benefits (including CI/CD pipeline functionality) will extend the native Amazon EKS Anywhere scope of services. They are optional, allowing the customer to add additional services to fit their needs.

EKS-A

Enablement	Assist	Assist DevOps	Financial Management & Reporting
Kubernetes Readiness assessment Pre-Deployment Integration & Configuration Installation and configuration of EKS-A core components Integration with 3rd party tooling for Policy and Configuration Management	Kubernetes Lifecycle Management Infrastructure Management Admin Cluster Node Operation & maintenance Monitoring, Alerting & Logging IT Service Management Ticket mgmt. and resolution Incident management escalations Security Management (IAM, AV)	Development of Infrastructure as Code Development of Kubernetes resource definitions Development of Service Mesh/Istio resources Definition of Configuration Management resources Development of Policies Integration with CI/CD	**Financial Management** Automated Controls Dynamic alerts Automated actions **Reporting** Service status Performance Security standards Recommendations
Creation and deployment and onboarding of a customer centric operating model	Monitoring and support for customer cloud environment	DevOps providing dynamic operations dealing with custom development tasks and bespoke integrations	Cloud managed service reporting for all enabled services

Enterprises can take advantage of this new capability with a fast time-to-value via an **MVP** (Minimum Viable Product) implementation as a proof of concept, allowing both application owners and support teams to realize quick gains in cost savings, capacity flexibility, enhanced security, and enterprise control.

Atos Difference

aws partner network

Advanced

Consulting Partner

Migration

Mainframe Migration

Managed Service

Well Architected Program

AWS Solution Provider Program

Leadership:
40+ years of data center and public cloud experience with 675+ certified experts

Agility:
Enable a customer-specific environment in weeks, not months

Savings:
Delivery self-funded digital transformation by reinvesting in "run the business" cost reductions

Expertise:
Atos is an AWS Advanced Consulting Partner and has achieved the Migration competency