Fundamentals of Data Protection on AWS



How can I keep my data confidential?



How do I know my data and resources are trustworthy?

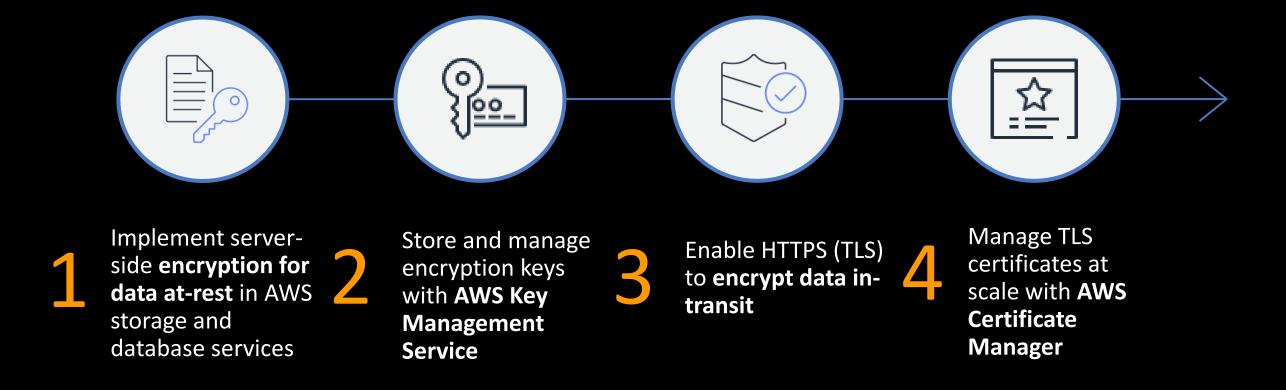


How do I keep control of my personal data?



Data Protection Journey

FOUNDATIONAL





Data Protection Journey

INTERMEDIATE



Use KMS and ACM on all accounts in an organization for broad security coverage

Leverage features
like S3 bucket keys
to optimize cost
structure while
maintaining
security

Enable KMS multi-Region keys for disaster recovery and expansion to global AWS Regions Use Amazon Macie to evaluate data footprint and determine any data compliance requirements



Data Protection Journey

ADVANCED



Use AWS Secrets

Manager to reduce
risk by protecting
database access
credentials

Activate AWS Private
CA to secure
Kubernetes pods and
manage certificates
at scale

Leverage service integrations and technology partners for hybrid and multi cloud security

Build or enhance a

DevSecOps

pipeline with data

protection and

privacy

integration



How are customers using Data Protection?



Migrate workloads securely from on-premise to the cloud



Encrypt cloud storage and databases



Protect data lakes and analytics pipelines



Authenticate container deployments



Authenticate IoT device networks



Eliminate high-risk hardcoded secrets



Discover and classify sensitive data for privacy regulations



Create robust DevSecOps pipelines

