



OnX Canada Managed Public Cloud on AWS

Throughout the enterprise industry, cloud-first strategies are transforming the way organizations build and optimize applications and infrastructure. This practice is producing dramatic improvements in the cost of that infrastructure as well as the ability to focus on core business processes and enable continuous integration/continuous deployment (CI/CD) development models.

Among all leading hyperscale cloud providers, Amazon Web Services has emerged as a visionary in delivering next-generation, cloud-first data environments to the enterprise. Gartner recently identified AWS as the provider with the broadest, most complete vision of the cloud-first enterprise, coupled with the most impressive track record of successful implementations. For mid-to-large enterprises, OnX offers a fully managed solution for AWS on which we transform today's static data environment into an agile operational ecosystem capable of meeting the demands of the emerging digital services economy.

Using well-architected design principles and proven, tested, and certified methodologies, we take the time to analyze and document the existing data environment and how it supports the overall business model. From there, we then make proposals aimed at streamlining workflows, reducing costs, and maximizing efficiency, with the ultimate goal of crafting unique solutions to fit the individual requirements of our clients.

When transitioning to the cloud, we provide a team of experienced architects and engineers who consult with the client's internal IT staff to map out current topologies and devise a migration strategy. At the same time, we create the optimal AWS environment, typically either an IaaS model for base resource allocation or a PaaS model that provides automation capabilities and cloud-native microservices.

AWS cloud services tailored for your success



Assess

We first gain a full understanding of existing topologies and workload characteristics to determine how best to integrate them into the AWS public cloud.



Design

Our certified experts plan out an optimal cloud in terms of cost-effectiveness and efficiency, along with any application refactoring that might be required.



Migrate

Our engineers and architects take on the responsibility of transforming legacy applications and infrastructure that will be quickly and securely transferred to the cloud.



Manage

OnX oversees the day-to-day management of the AWS environment, allowing enterprise staff to concentrate on core functions like product and market development.

Tier 1 provides “foundational” support for AWS environment.

Ideal for organizations that:

- Want full control of their environment and reign maximum flexibility.
- Want to get out of the data center business.
- Have an AWS cloud first strategy but need helping migrating to the cloud.
- Want to “lift and shift” existing VMware-based environment to AWS environment with ongoing monitoring and management.

Tier 2 provides support for advanced features and native services that are available within AWS.

Ideal for organizations that:

- Want automation and cloud-native capabilities.
- Want advanced optimization for billing and reporting on utilization.
- Want customization for cloud-native efficiencies and database auto scaling.
- Want a Well-Architected Framework environment for ongoing management and governance.

Tier 3 provides DevOps and CI/CD support service.

Ideal for organizations that:

- Want full automation including the interrelated infrastructure.
- Want to automate the application development and infrastructure together enabling continuous integration, faster deployment, and consistent delivery.
- Want containerization and serverless options recommended for optimal performance and cost savings.

	Tier 1	Tier 2	Tier 3
Basic Compute Instances EC2, Elastic Beanstalk, Lightsail	✓	✓	✓
Storage S3, S3 Glacier, EFS, FSx, Storage Gateway, AWS Backup	✓	✓	✓
Databases RDS, DynamoDB, ElastiCache	✓	✓	✓
Networking & Content Delivery VPC, CloudFront, Route 53, Direct Connect	✓	✓	✓
Security, Identity, & Compliance IAM, Resource Access Manager, Cognito, Secrets Manager, GuardDuty, Inspector, Amazon Macie, AWS Single Sign-On, Certificate Manager, Key Management Service, Directory Service (AD), WAF & Shield, Artifact	✓	✓	✓
Management & Governance CloudWatch, AWS Auto Scaling, CloudTrail	✓	✓	✓
Advanced Compute Batch, ECR, ECS, EKS, Lambda, Serverless Application Repository		✓	✓
AWS Cost Management AWS Cost Explorer, AWS Budgets, AWS Marketplace Subscription		✓	✓
Customer Engagement Pinpoint, Simple Email Service		✓	✓
Networking & Content Delivery API Gateway, AWS App Mesh, AWS Cloud Map, Global Accelerator, OpsWorks, Service Catalog, Systems Manager, Trusted Advisor, Managed Services—add-on SOW, AWS Well-Architected Tool, Personal Health Dashboard, AWS Organization		✓	✓
Database - Advanced Neptune (Graph Database), Amazon Redshift (data warehouse), Amazon DocumentDB (NoSQL)		✓	✓
Security CloudHSM, Security Hub		✓	✓
Developer Tools CodeStar, CodeCommit, CodeBuild, CodeDeploy, CodePipeline, Cloud9, X-ray			✓
Application Integration Step Functions, Amazon MQ, Amazon EventBridge, Simple Queue Service, AWS, Simple Notification Service			✓
End User Computing WorkSpaces, AppStream 2.0			✓
Customer Engagement Amazon Connect			✓
Media Services Elastic Transcoder, Kinesis Video Streams, MediaConnect, MediaConvert, MediaLive, MediaPackage, MediaStore, MediaTailor			✓
Analytics Athena, EMR, CloudSearch, Elasticsearch Service, Kinesis, QuickSight, Data Pipeline, AWS Glue, MSK			✓
Management & Governance Control Tower, AWS License Manager			✓



Development



Quality Assurance



Production

OnX: the right choice to manage your AWS cloud

Deploying an AWS cloud to support critical data and applications allows your development teams to avoid the distraction of managing the underlying infrastructure and put more effort into creating new software functionality and capabilities at a faster pace. In turn, this allows the organization as a whole to excel in what is becoming a highly competitive digital services market where speed matters.

Building on years of experience delivering managed IT services, OnX is a leader in extending those services to the public cloud. We provide a full suite of network, compute, storage, and security services while also blazing new trails with cutting-edge technologies like Infrastructure as Code, automation, containerization, CI/CD, and serverless computing. OnX provides the necessary expertise to establish the proper management regime for your AWS environment according to your business and data objectives, whether the goal is to improve development, quality assurance, development, or any other function. From our service management operations center, we employ a range of cloud-native and traditional industry tools to manage and monitor the complete end-to-end environment.



Contact us today at onx.ca