

Welcome to Process360's Cloud Adoption Services

Compute Services:

1. AWS:

- Amazon EC2 (Elastic Compute Cloud): Provides resizable compute capacity in the cloud.
- AWS Lambda: Runs code in response to events and automatically scales.
- AWS Fargate: Serverless compute engine for containers that allows you to run containers without managing the underlying infrastructure.

2. Azure:

- Azure Virtual Machines: Provision Windows and Linux virtual machines in seconds.
- Azure Functions: Executes code in response to triggers without managing infrastructure.
- Azure Container Instances (ACI): Serverless container service that enables running containers in Azure without managing any infrastructure, supporting both Linux and Windows containers

3. GCP:

- Google Compute Engine: Offers virtual machines with flexible configurations.
- Google Cloud Functions: Executes lightweight code in response to events without provisioning or managing servers.
- Google Cloud Run: Fully managed serverless platform for running containerized applications without managing infrastructure

Storage Services:

1. AWS:

- Amazon S3 (Simple Storage Service): Object storage for data storage and retrieval.
- Amazon EBS (Elastic Block Store): Provides block storage volumes for EC2 instances.

2. Azure:

- Azure Blob Storage: Scalable object storage for unstructured data.

- Azure Disk Storage: Persistent, high-performance block storage for VMs.

3. **GCP:**

- Google Cloud Storage: Object storage with global edge-caching and CDN support.
- Google Persistent Disk: Block storage for virtual machine instances.

Networking Services:

1. **AWS:**

- Amazon VPC (Virtual Private Cloud): Isolated cloud resources with customizable networking.
- AWS Direct Connect: Establishes a dedicated network connection from premises to AWS.

2. **Azure:**

- Azure Virtual Network: Isolated network for secure connections between Azure resources.
- Azure ExpressRoute: Dedicated private network connection to Azure from on-premises infrastructure.

3. **GCP:**

- Google VPC (Virtual Private Cloud): Global network for Google Cloud resources.
- Google Cloud Interconnect: Connects on-premises networks to Google's network.

Database Services:

1. **AWS:**

- Amazon RDS (Relational Database Service): Managed relational databases (MySQL, PostgreSQL, etc.).
- Amazon DynamoDB: Fully managed NoSQL database service.

2. **Azure:**

- Azure SQL Database: Managed relational database service with built-in intelligence.
- Azure Cosmos DB: Globally distributed NoSQL database service.

3. **GCP:**

- Google Cloud SQL: Managed MySQL, PostgreSQL, and SQL Server databases.
- Google Cloud Bigtable: Fully managed, scalable NoSQL database.

Analytics Services:

1. **AWS:**

- Amazon Redshift: Data warehousing solution for analytics queries.
- Amazon EMR (Elastic MapReduce): Managed Hadoop framework for big data processing.

2. **Azure:**

- Azure Synapse Analytics: Fully managed data warehouse for analytics at scale.
- Azure HDInsight: Fully managed Apache Hadoop, Spark, and Kafka service.

3. **GCP:**

- Google BigQuery: Fully managed, serverless data warehouse for analytics.
- Google Cloud DataProc: Managed Apache Spark and Hadoop service.

AI/ML Services:

1. **AWS:**

- Amazon SageMaker: Fully managed service to build, train, and deploy ML models.
- Amazon Comprehend: Natural language processing service for sentiment analysis, entity recognition, etc.

2. **Azure:**

- Azure Machine Learning: End-to-end machine learning service with tools and templates.
- Azure Cognitive Services: Pre-built AI models for vision, speech, language, and decision APIs.

3. **GCP:**

- Google AI Platform: Managed service for building, training, and deploying ML models.

- Google Cloud AutoML: Enables developers to build custom ML models without needing expertise in ML.

Development & DevOps Services:

1. AWS:

- AWS CodeDeploy: Automates code deployments to EC2 instances or on-premises servers.
- AWS CodePipeline: Continuous integration and continuous delivery (CI/CD) service.

2. Azure:

- Azure DevOps: Provides tools for planning, developing, and delivering software.
- Azure Kubernetes Service (AKS): Managed Kubernetes container orchestration service.

3. GCP:

- Google Cloud Build: Manages builds, tests, and deploys software.
- Google Kubernetes Engine (GKE): Managed Kubernetes service for deploying, managing, and scaling containerized applications.

Security & Identity Services:

1. AWS:

- AWS Identity and Access Management (IAM): Controls access to AWS resources securely.
- AWS Key Management Service (KMS): Managed service for creating and controlling encryption keys.

2. Azure:

- Azure Active Directory: Cloud-based identity and access management service.
- Azure Key Vault: Securely stores and manages keys, secrets, and certificates.

3. GCP:

- Google Cloud Identity and Access Management (IAM): Manages access control for GCP resources.

- Google Cloud Key Management Service (KMS): Centralizes control of cryptographic keys for cloud services.

IoT & Edge Computing Services:

1. AWS:

- AWS IoT Core: Managed cloud platform to connect IoT devices securely.
- AWS IoT Greengrass: Extends AWS IoT functionality to edge devices.

2. Azure:

- Azure IoT Hub: Managed service to connect, monitor, and manage IoT devices.
- Azure IoT Edge: Extends cloud intelligence to edge devices.

3. GCP:

- Google Cloud IoT Core: Securely connects, manages, and ingests IoT data from globally dispersed devices.
- Google Cloud IoT Edge: Extends cloud capabilities to edge devices.

Storage & Backup Services:

1. AWS:

- Amazon Glacier: Low-cost storage service for data archiving and backup.
- AWS Backup: Centralized backup service to protect data across AWS services.

2. Azure:

- Azure Blob Storage: Scalable, cost-effective object storage for unstructured data.
- Azure Backup: Simple and reliable backup for virtual machines and on-premises servers.

3. GCP:

- Google Cloud Storage Nearline: Affordable, highly durable storage service for data backup and archival.
- Google Cloud Storage Coldline: Low-cost storage service for data archival and disaster recovery.

Messaging & Integration Services:

1. AWS:

- Amazon SQS (Simple Queue Service): Fully managed message queuing service.

- Amazon SNS (Simple Notification Service): Pub/sub messaging and mobile notifications.

2. Azure:

- Azure Service Bus: Fully managed enterprise integration message broker.
- Azure Event Grid: Event-driven service for pub/sub messaging at scale.

3. GCP:

- Google Cloud Pub/Sub: Real-time messaging service for event-driven systems.
- Google Cloud Tasks: Fully managed, scalable task queue service.

Content Delivery & CDN Services:

1. AWS:

- Amazon CloudFront: Global content delivery network (CDN) service.

2. Azure:

- Azure Content Delivery Network (CDN): Delivers high-bandwidth content to users worldwide.

3. GCP:

- Google Cloud CDN: Low-latency, high-throughput content delivery service.

Monitoring & Management Services:

1. AWS:

- Amazon CloudWatch: Monitoring and observability service for AWS resources and applications.
- AWS CloudTrail: Records API calls for auditing and compliance purposes.

2. Azure:

- Azure Monitor: Full-stack monitoring, including metrics, logs, and diagnostics.
- Azure Resource Manager (ARM): Simplifies resource management and deployment.

3. GCP:

- Google Cloud Monitoring: Comprehensive monitoring, logging, and diagnostics.
- Google Cloud Deployment Manager: Infrastructure as code service for managing GCP resources.

Compliance & Governance Services:

1. AWS:

- AWS Config: Assess, audit, and evaluate the configuration of AWS resources.
- AWS Organizations: Policy-based management for multiple AWS accounts.

2. Azure:

- Azure Policy: Implement and enforce organizational standards and compliance.
- Azure Security Center: Unified security management and advanced threat protection.

3. GCP:

- Google Cloud Security Command Center: Centralized security management and data risk detection.
- Google Cloud Resource Manager: Organizes GCP resources and manages access control.

Migration & Transfer Services:

1. AWS:

- AWS Migration Hub: Tracks application migration across multiple AWS and partner solutions.
- AWS DataSync: Simplifies and accelerates data transfer between on-premises and AWS.

2. Azure:

- Azure Migrate: Tools and services for migrating servers, databases, and apps to Azure.
- Azure Data Box: Secure, ruggedized data transfer appliances for offline data transfer to Azure.

3. GCP:

- Google Cloud Migration: Tools and services for migrating VMs, databases, and applications to GCP.
- Google Transfer Service: Simplifies large-scale data transfers from on-premises and other clouds to GCP.

Kubernetes Services:

1. AWS:

- Amazon EKS (Elastic Kubernetes Service): Managed Kubernetes service for running containerized applications.

2. Azure:

- Azure Kubernetes Service (AKS): Fully managed Kubernetes container orchestration service.

3. GCP:

- Google Kubernetes Engine (GKE): Managed Kubernetes service for deploying, managing, and scaling containerized applications.