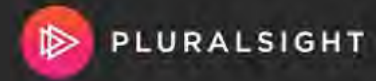


Introduction to Security & Architecture on AWS - Services List

David Tucker



COMPLIANCE SERVICES	
AWS Config	Service that enables you to continually monitor your resources for adherence to best practices
AWS Artifact	Portal that provides self-service access to AWS compliance reports and agreements you may have with AWS
Amazon GuardDuty	Fully-managed service that continually monitors your AWS account and resources for potential malicious behavior and anomalies
IDENTITY SERVICES	
AWS Identity and Access Management (IAM)	Service that controls access to AWS resources. This is where you create IAM users, IAM groups, and roles. Policies are attached to identities for permission to access resources.
Amazon Cognito	User directory service for custom applications that can also enable access to AWS resources for your custom applications
DATA SERVICES	
AWS Storage Gateway	Hybrid-cloud storage service that enables companies to take advantage of cloud storage on their local networks
AWS DataSync	Automated data transfer service that efficiently transfer data from your local network into AWS
AWS Glue	Fully-managed serverless extract, transform, and load (ETL) service
Amazon EMR	Big-data cloud-based tool suite using popular open source tools including Apache Spark, Apache Hive, Presto, and many others.

AWS Data Pipeline	Data workflow orchestration service that supports multiple AWS services providing extract, transform, and load (ETL) capabilities
Amazon Athena	Service that enables serverless querying of data stored within Amazon S3 using standard SQL queries
Amazon Quicksight	Fully-managed Business Intelligence (BI) service enabling self-service data dashboards for data stored in the cloud
Amazon CloudSearch	Managed search service for custom applications
AI & ML SERVICES	
Amazon Rekognition	Computer vision service powered by Machine Learning that can detect objects in images and video
Amazon Translate	Text translation service powered by Machine Learning that can translate text (either streaming or in batch) into many different languages. It also provides language detection.
Amazon Transcribe	Audio transcription service powered by Machine Learning that can transcribe audio (either streaming or in batch) in many different languages
SECURITY SERVICES	
AWS Shield	Managed Distributed Denial of Service (DDoS) protection service for apps running on AWS
Amazon Macie	Data classification, protection, and monitoring service powered by machine learning for Amazon S3 data
Amazon Inspector	Automated security assessment service for EC2 instances

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EC2 AND VPC CAPABILITIES	
Auto Scaling Group	EC2 capability that manages a group of EC2 instances that have rules for automated scaling and management which includes health checks for each member of the group
Elastic Load Balancing	Service that supports routing traffic across multiple targets including EC2 instances, Lambda functions, as well as other targets on AWS
Security Groups	Firewall-like controls for EC2 instances within a VPC that controls access for inbound and outbound traffic. Instances can have multiple security groups
Network Access Control Lists (ACL)	Control for inbound and outbound traffic within a specific subnet in a VPC. Traffic can be allowed or denied based on custom rules
AWS VPN	Service that supports an encrypted tunnel into a VPC. This can support either site-to-site (from your data center into the VPC) or client (from a single computer into the VPC)
AWS Secrets Manager	Service that manages secrets (such as passwords, keys, tokens, etc...) used in your custom applications on AWS. It also supports auto-rotation of credentials on supported AWS services
LAUNCHING PRE-DEFINED INFRASTRUCTURE ON EC2	
AWS Service Catalog	Service for offering your organization's pre-defined IT offerings to other members of your organization in a self-service portal on AWS
AWS Marketplace	Catalog of third-party software offerings that makes it easy to launch pre-defined solutions onto your AWS account from these vendors

DEVELOPER SERVICES	
AWS CodeCommit	Fully-managed source control service using Git
AWS CodeBuild	Fully-managed build and continuous integration service on AWS
AWS CodeDeploy	Fully-managed deployment service for applications running on Amazon EC2, AWS Fargate, AWS Lambda, and on-premise servers
AWS CodePipeline	Fully-managed continuous delivery service on AWS for automating building, deploying, and testing. Integrates with other developer services
AWS CodeStar	Workflow tool for automatic creation of a continuous delivery pipeline for a custom application using the other developer services