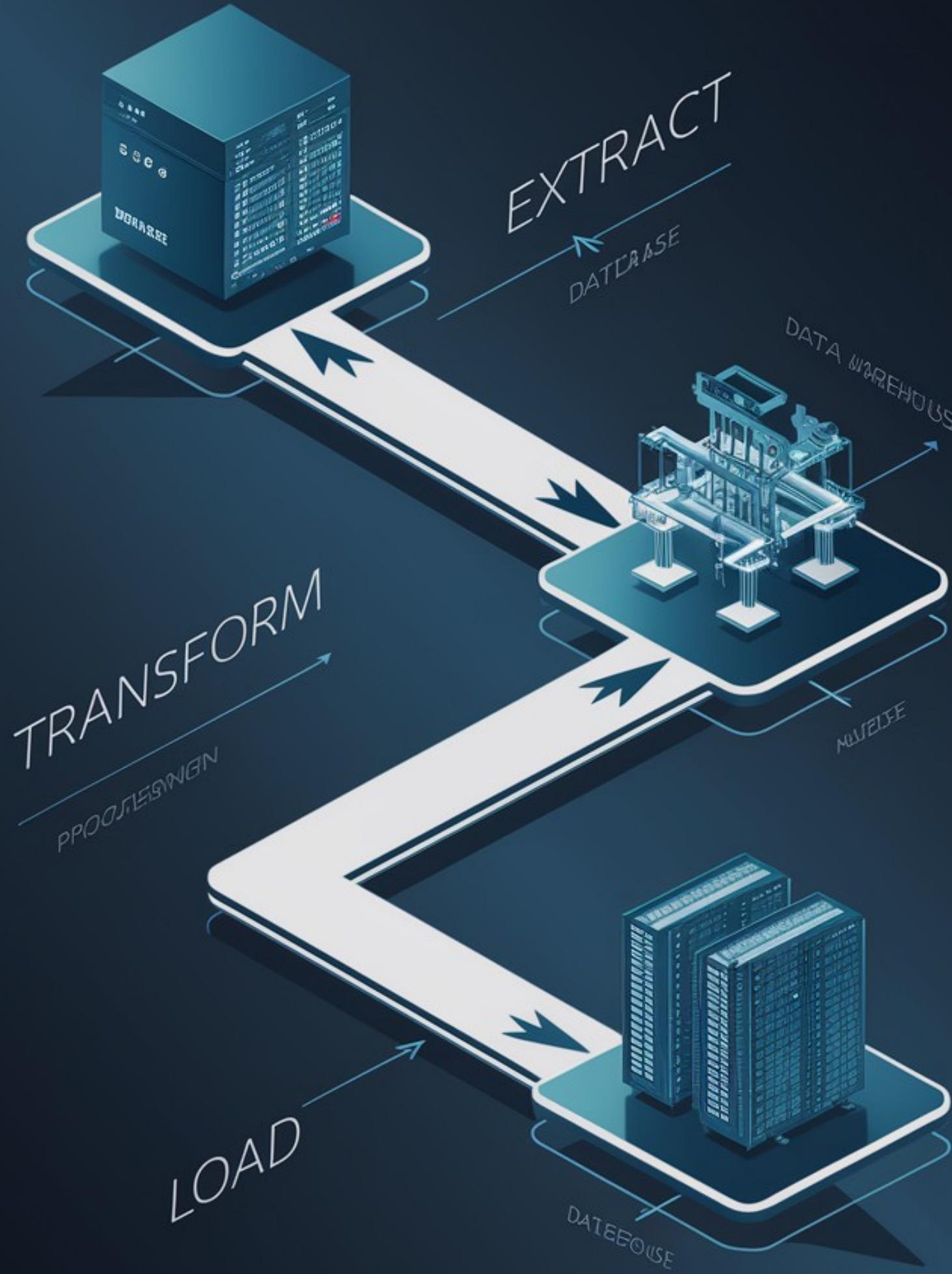


AWS Services



Amazon Polly is a text-to-speech service that converts text into natural-sounding speech using deep learning technologies.

Generating multilingual voice prompts for an IVR system.



AWS Glue is a fully managed ETL (extract, transform, load) service that makes it easier to prepare and load data for analytics. It provides a serverless environment to automate data integration tasks.

Automating the transformation of raw logs stored in Amazon S3 into a structured format for querying in Amazon Athena.



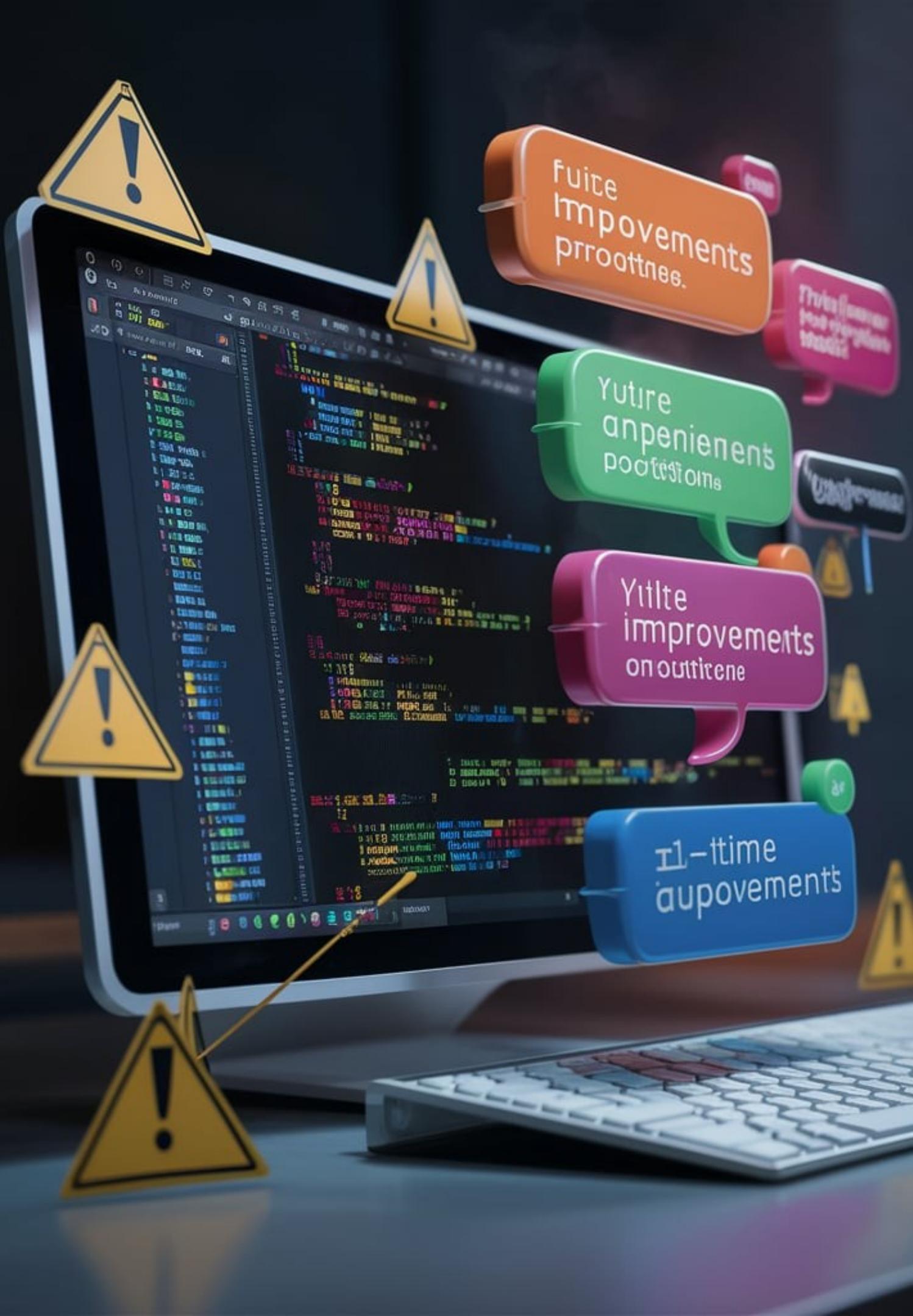
Amazon Inspector is a vulnerability management service that scans AWS resources for potential security issues.

Automatically scanning a fleet of EC2 instances for outdated software packages.



AWS Site-to-Site VPN connects on-premises networks securely to AWS.

Connecting a data center to an AWS VPC for secure communication.



Amazon CodeGuru helps developers improve code quality and identify cost optimization opportunities.

Using CodeGuru Reviewer to detect potential security issues in a Python codebase.



Amazon AppFlow automates data transfer between AWS and SaaS applications.

Synchronizing customer data from Zendesk to S3 for further processing.



AWS Local Zones extend AWS services to closer locations for ultra-low latency applications.

Deploying a real-time multiplayer game backend in a Local Zone.



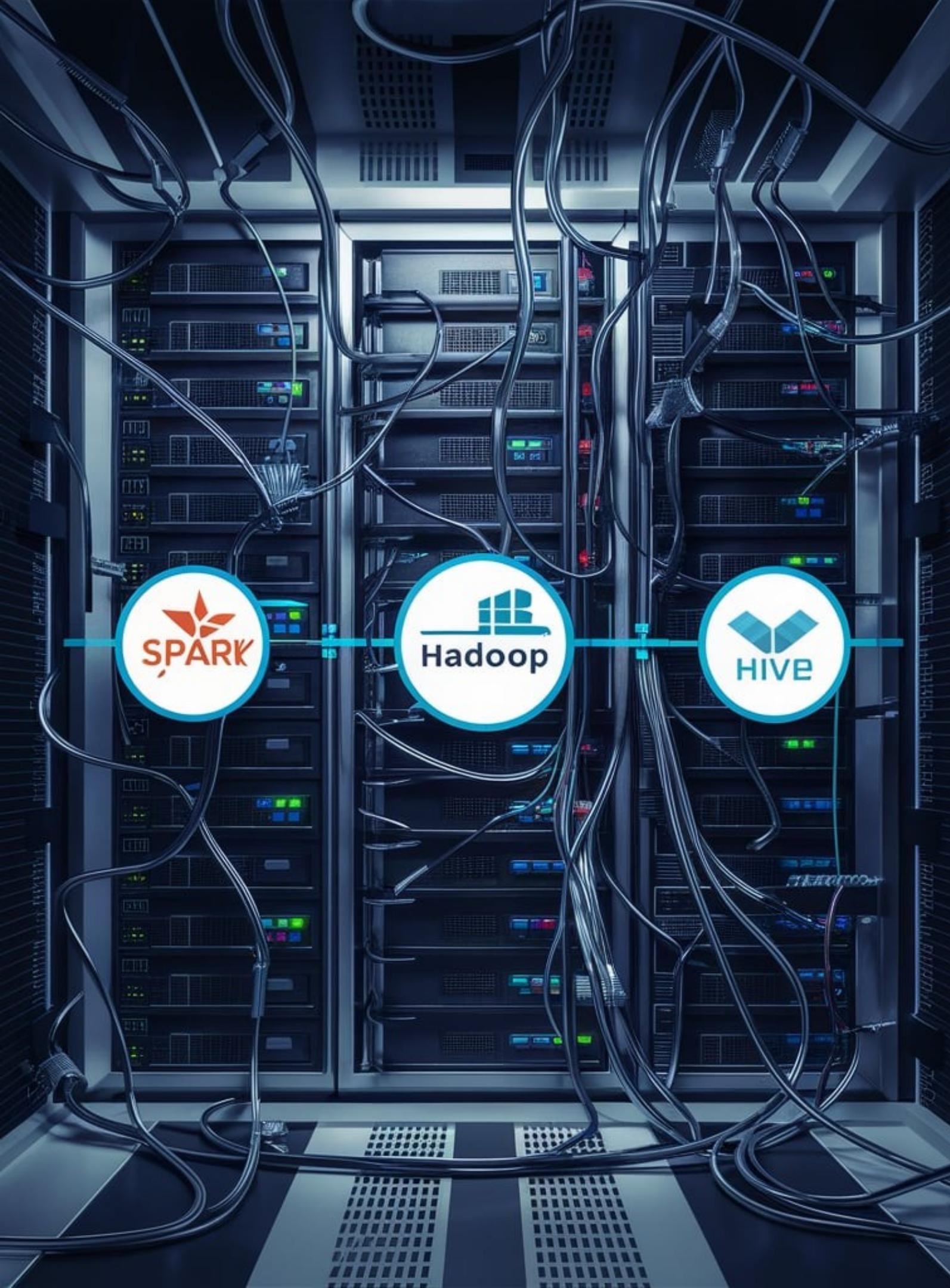
Amazon QuickSight is a business intelligence service that provides interactive dashboards and visualizations.

Building a dashboard to visualize operational metrics stored in Amazon Redshift.



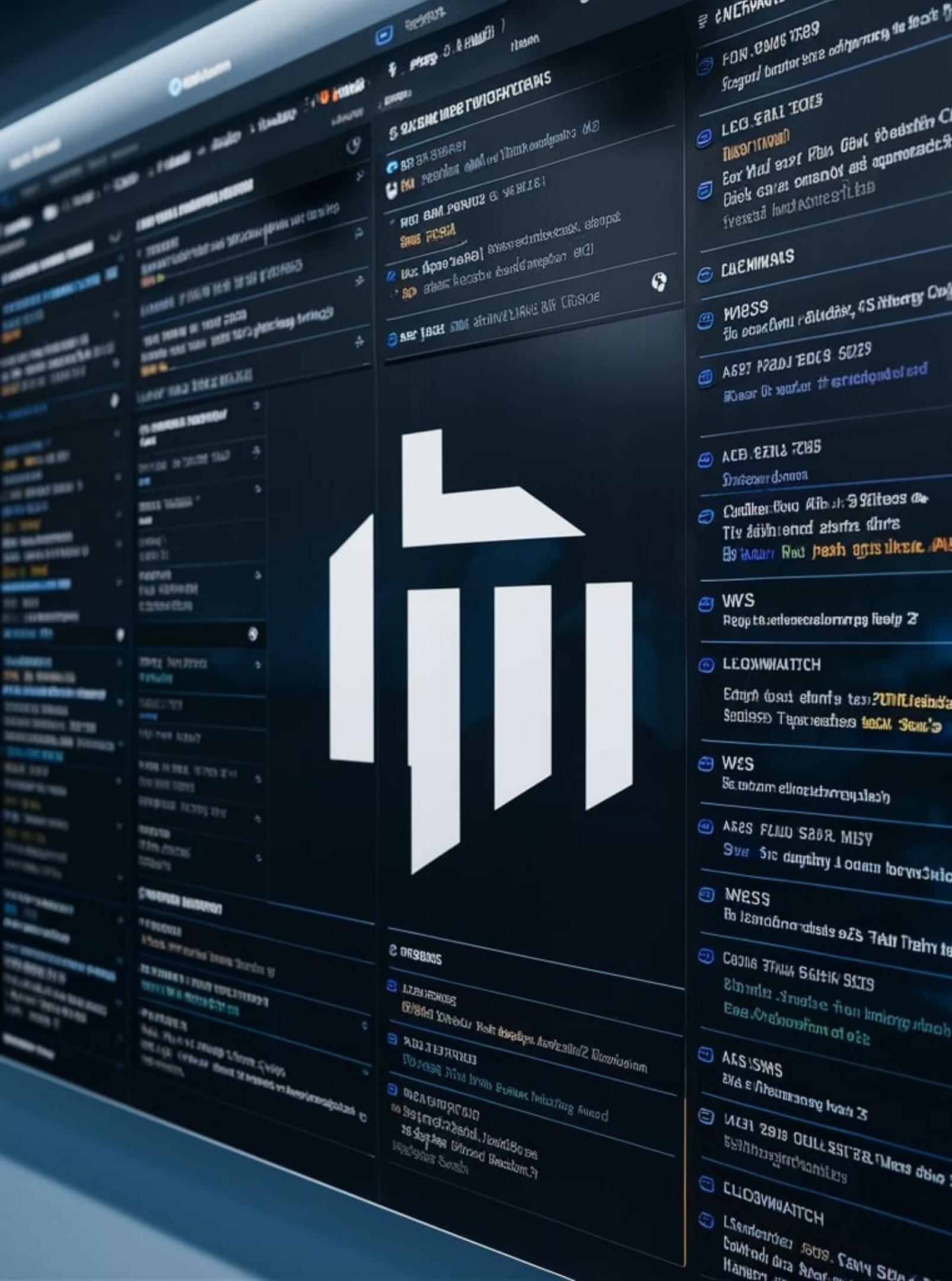
Amazon Macie uses machine learning to discover and protect sensitive data in AWS.

Detecting PII (Personally Identifiable Information) in S3 buckets.



Amazon EMR (Elastic MapReduce) is a cloud big data platform for processing vast amounts of data using open-source tools like Apache Spark, Hadoop, and Hive.

Running a Spark job on an EMR cluster to perform machine learning tasks on streaming data.



AWS Chatbot enables interaction with AWS services through chat platforms like Slack or Amazon Chime.

Triggering notifications for CloudWatch alarms via Slack using AWS Chatbot.



AWS Pricing Calculator helps estimate costs for AWS services based on specific configurations and usage.

Estimating the cost of running a high-availability web application using EC2 and RDS.



AWS Resource Explorer is a tool to search and discover resources across AWS accounts and regions.

Searching for all active EC2 instances in specific regions.



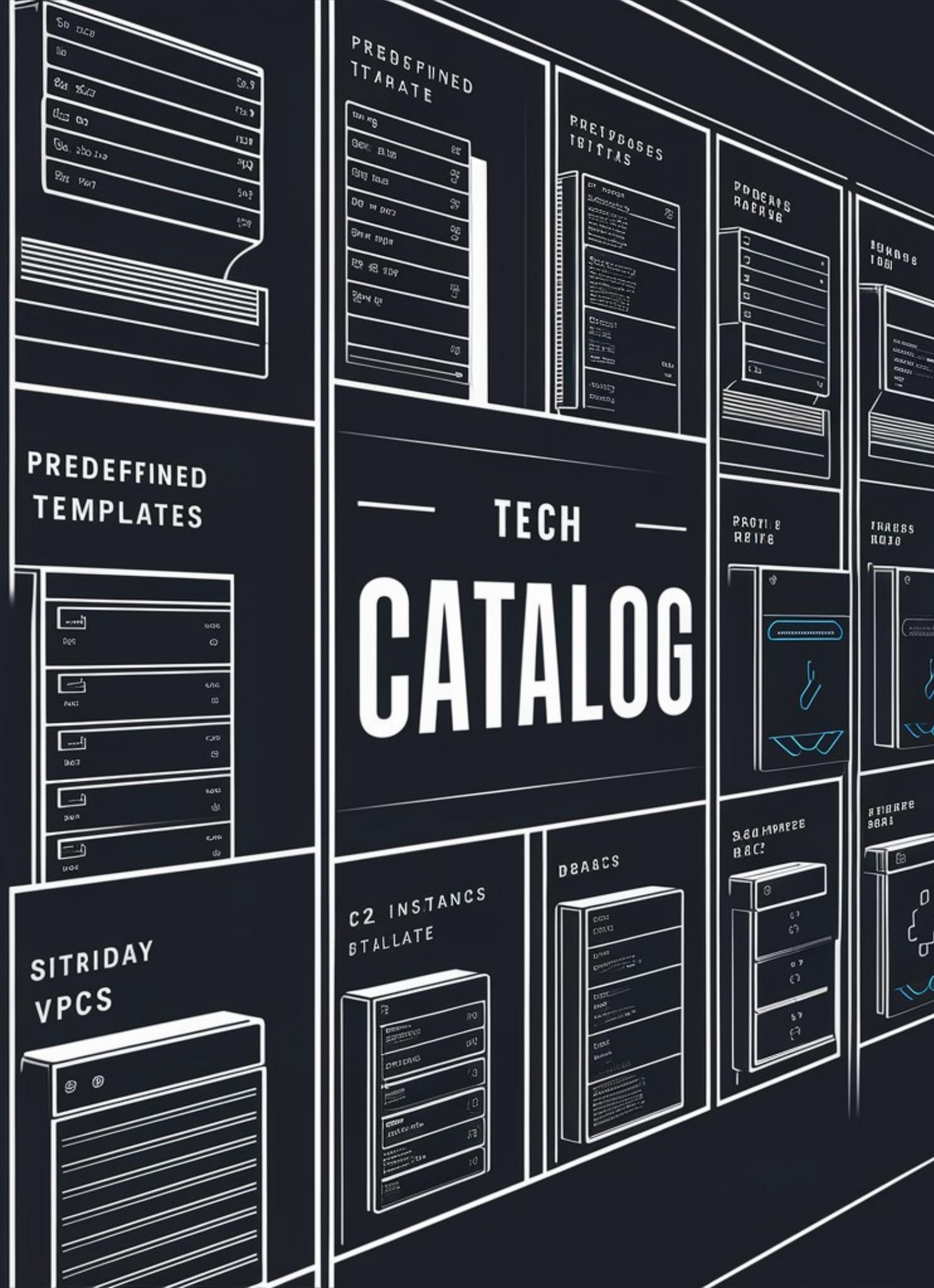
AWS Support provides technical assistance for AWS services at different tiers, such as Basic, Developer, Business, and Enterprise.

Accessing 24/7 support for troubleshooting an RDS database issue.



AWS Detective investigates security incidents using machine learning and graph analysis.

Identifying unusual login patterns in a cloud environment.



AWS Service Catalog allows organizations to create and manage catalogs of IT services for governance and compliance.

Managing a catalog of VPC configurations for consistent network setups.



AWS Knowledge Center is an online repository of FAQs and troubleshooting tips for AWS services.

Using the Knowledge Center to troubleshoot Lambda function execution errors.



AWS Outposts bring AWS services to on-premises environments for a hybrid cloud setup.

Running machine learning inference workloads on Outposts for low-latency requirements.



AWS Launch Wizard helps deploy enterprise applications like SAP or Microsoft SQL Server based on best practices.

Setting up a highly available Microsoft SQL Server environment using Launch Wizard.



AWS Batch is a fully managed service for running batch computing jobs at scale.

Running thousands of image rendering jobs for a media production company.



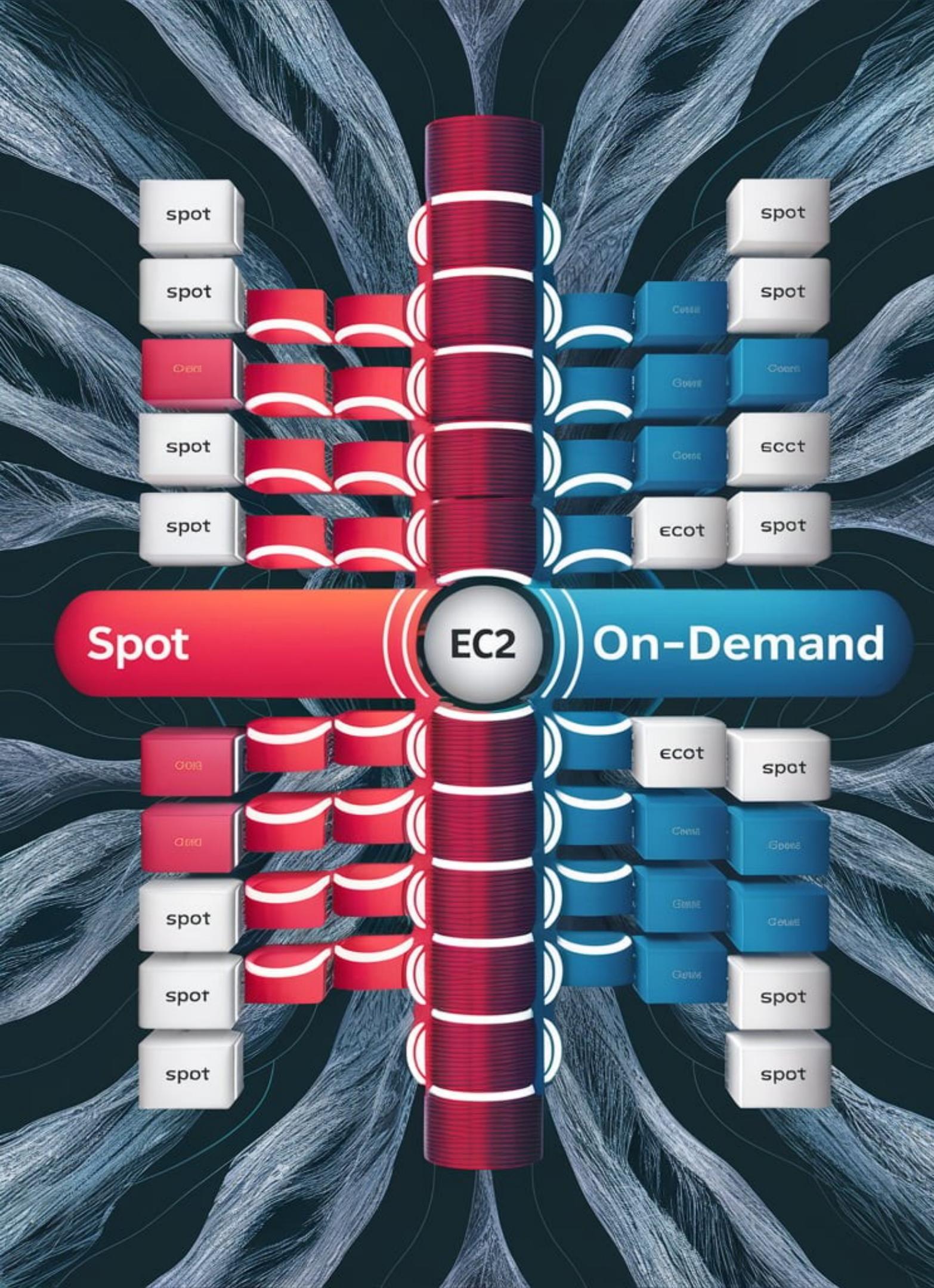
Amazon Athena is a serverless, interactive query service that analyzes data directly in Amazon S3 using standard SQL.

Running ad hoc queries on Apache Parquet files stored in Amazon S3.



AWS Systems Manager provides operational insights and management for AWS resources, enabling automated workflows.

Automating the patch management process for a fleet of servers.



Spot Fleet is a collection of Spot Instances and optionally On-Demand Instances to meet specified capacity requirements.

Running a machine learning workload on Spot Fleet to take advantage of lower costs.



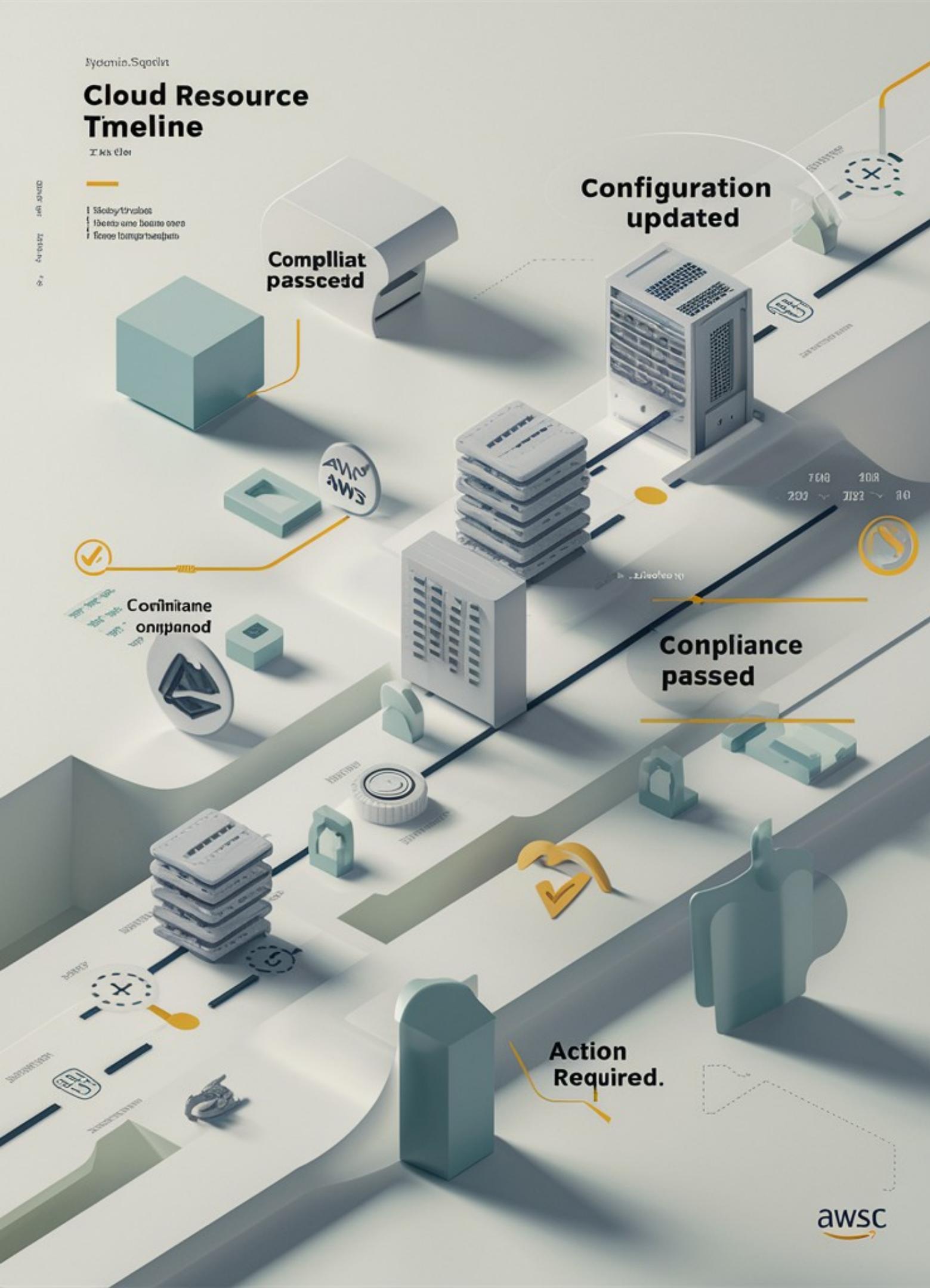
AWS Managed Services offers operational support for AWS environments, ensuring compliance and monitoring.

Monitoring and patching resources in a compliance-driven AWS environment.



AWS Professional Services provides specialized technical consulting to help implement AWS solutions effectively.

Designing and implementing a cloud-native solution with the help of AWS experts.



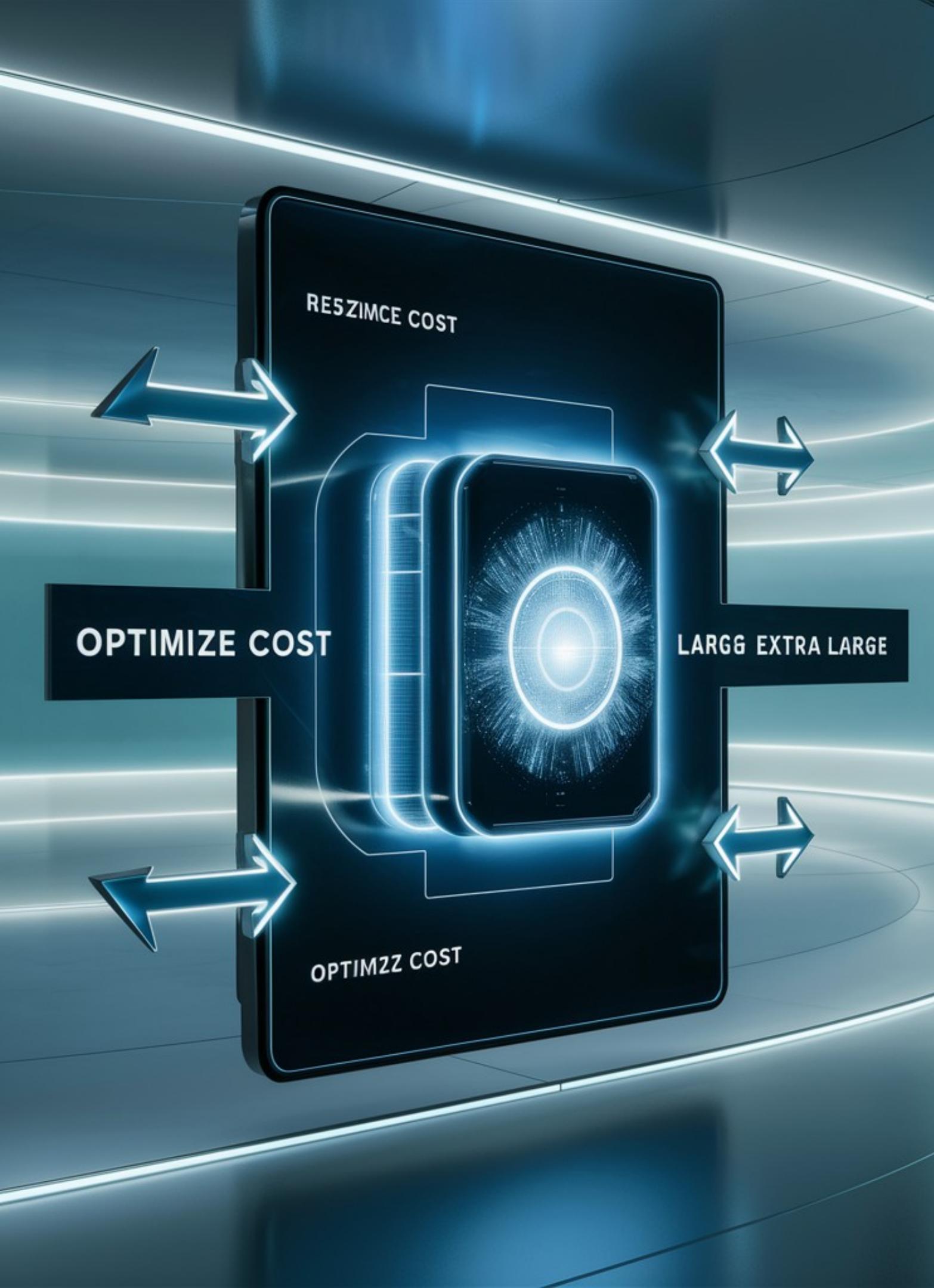
AWS Config tracks configuration changes and compliance for AWS resources.

Monitoring S3 bucket permissions to detect and prevent public access.



AWS Compute Explorer provides insights into compute usage across AWS services.

Identifying underutilized EC2 instances to reduce costs.



AWS Compute Optimizer
recommends optimal compute
resources for workloads based on
usage patterns.

Receiving recommendations to switch
from an m5.large to an m5.xlarge
instance based on workload
requirements.



The AWS Compliance Team ensures AWS services adhere to global compliance frameworks and regulations.

Leveraging compliance reports for SOC 2 and ISO certifications.



AWS CloudFormation automates the deployment and management of AWS infrastructure as code.

Creating a VPC with multiple subnets using a CloudFormation template.



Amazon WorkSpaces is a managed desktop virtualization service.

Deploying virtual Windows desktops for a distributed workforce.



Amazon AppStream 2.0 is a fully managed service for streaming desktop applications to any device.

Streaming engineering applications like AutoCAD to students' laptops.



Amazon Connect is a cloud-based contact center service.

Setting up a call center for handling support queries during peak shopping seasons.



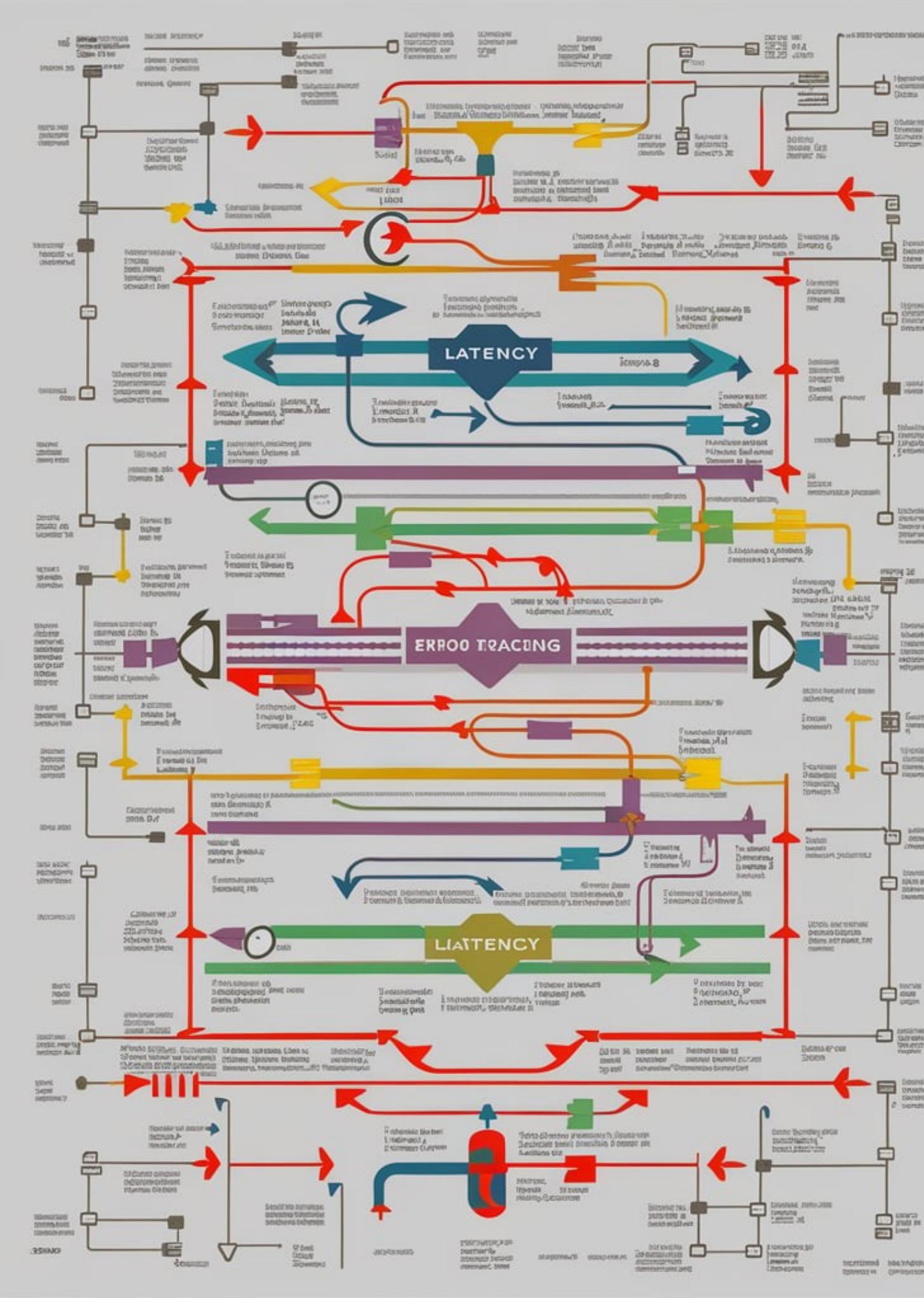
AWS PrivateLink provides secure, private connectivity between VPCs, AWS services, and on-premises networks, bypassing the public internet.

An internal application in one VPC securely accesses an Amazon S3 bucket in another VPC using PrivateLink, ensuring private communication without public endpoints.



AWS EventBridge is a serverless event bus that enables applications and AWS services to communicate by producing, consuming, and routing events in real-time.

An e-commerce platform uses EventBridge to route an "Order Placed" event to trigger an email notification via Amazon SES and update inventory in a database, streamlining communication without custom integrations.



AWS X-Ray helps developers debug and analyze distributed applications by tracing requests.

Visualizing the latency of API calls in a serverless application.



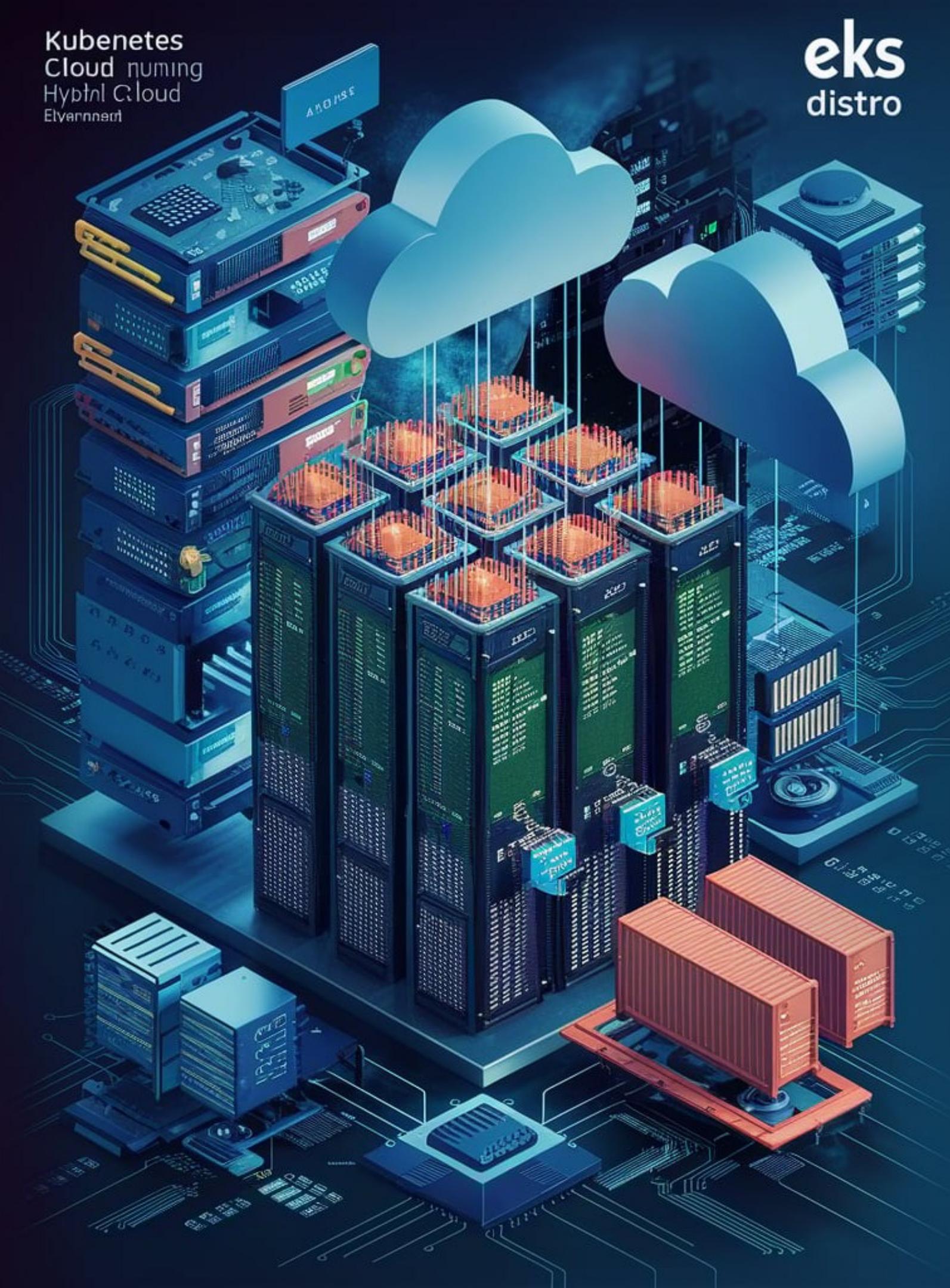
AWS Security Token Service (STS) provides temporary, limited-privilege credentials for accessing AWS resources.

Generating temporary credentials for a federated user accessing an AWS application.



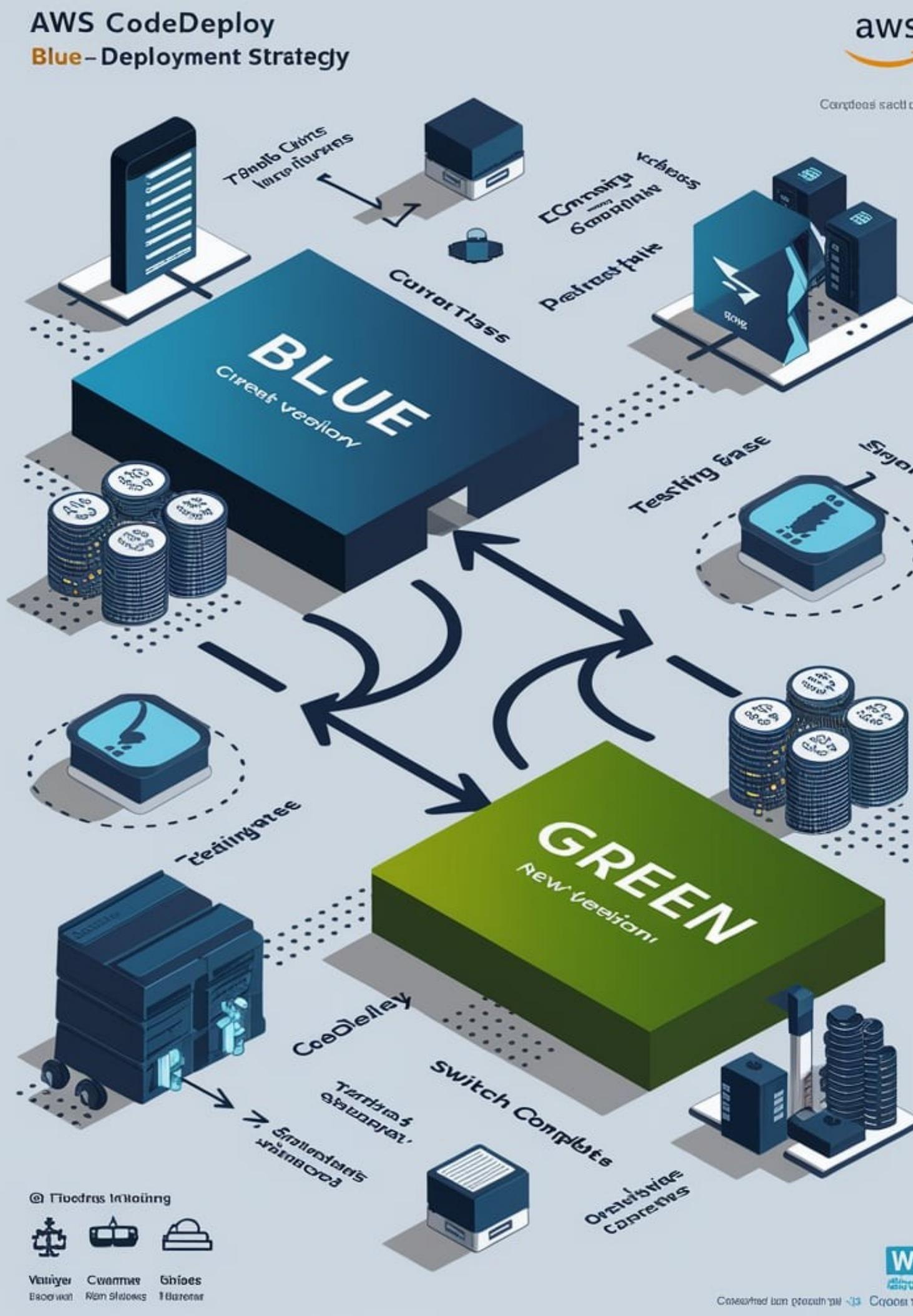
AWS Lightsail offers simple virtual private servers for small-scale applications.

Deploying a WordPress site using a Lightsail instance.



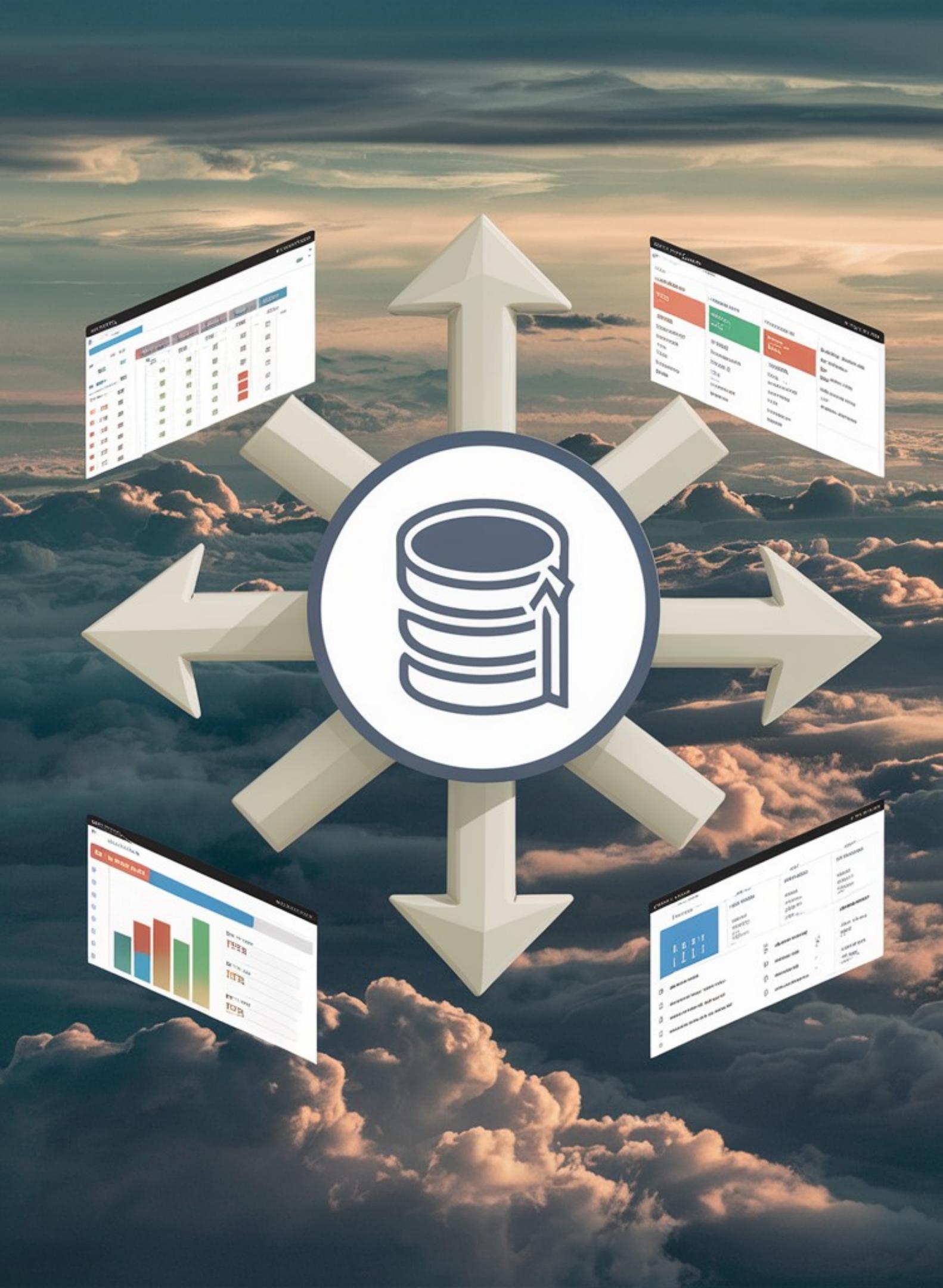
Amazon EKS Distro provides Kubernetes distributions used by Amazon EKS for on-premises or hybrid setups.

Managing hybrid workloads with consistent Kubernetes configurations across on-premises and cloud environments.



AWS CodeDeploy automates application deployment to EC2, on-premises, or serverless environments.

Deploying a Lambda function update using CodeDeploy with a blue/green deployment strategy.



Amazon Aurora

Amazon Aurora is a fully managed relational database engine designed for high performance and availability. It is compatible with MySQL and PostgreSQL.

A company using Aurora to manage e-commerce data with automatic backups and scalability.



Amazon Kendra

Amazon Kendra is an intelligent search service that uses machine learning to help organizations index and search for information efficiently.

A company deploying Kendra to enable employees to search internal knowledge bases quickly.



Amazon Transcribe

Amazon Transcribe is a speech-to-text service that converts audio recordings into written text using advanced AI.

A call center using Transcribe to create text logs of customer interactions for quality analysis.



Amazon Lex

Amazon Lex is a service for building conversational interfaces like chatbots and voice assistants using natural language understanding.

A business creating a customer support chatbot to resolve common queries.



AWS Client VPN

AWS Client VPN is a managed service enabling secure access to AWS resources from anywhere using a virtual private network.

A remote team accessing a secure database through AWS Client VPN.



AWS VPN Cloud Hub

AWS VPN Cloud Hub enables secure connectivity between multiple remote sites using the AWS global network.

A multinational company connecting its regional offices securely through AWS Cloud Hub.



AWS Billing Conductor

AWS Billing Conductor provides custom billing management and cost allocation for multiple AWS accounts.

A SaaS company using Billing Conductor to separate charges by project.



AWS Cost and Usage Reports

This service provides detailed cost and usage data, helping organizations analyze and manage AWS expenses effectively.

A financial team generating monthly AWS usage reports for budget optimization.



AWS Trusted Advisor

AWS Trusted Advisor offers recommendations to optimize costs, improve security, and enhance performance on AWS.

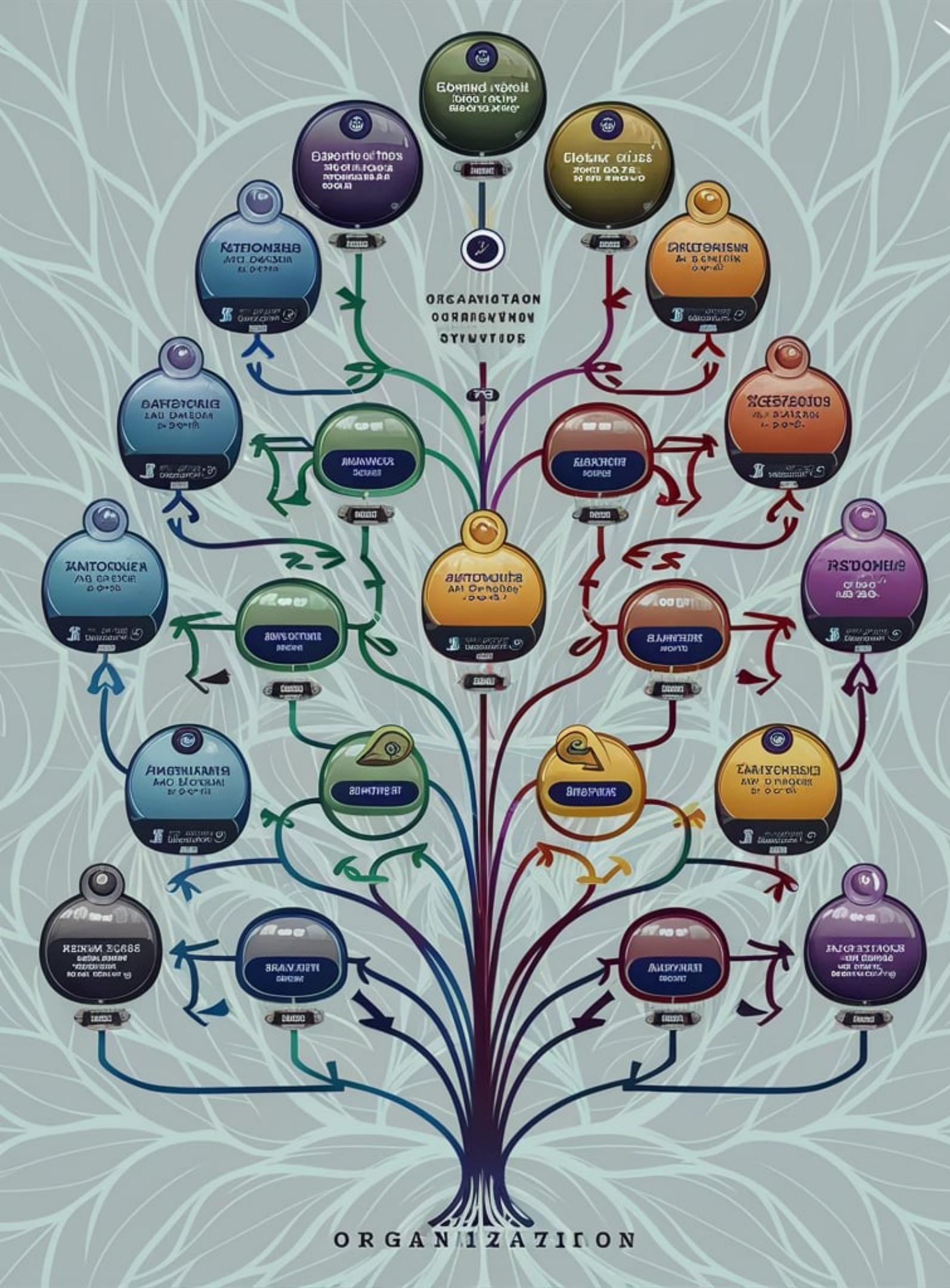
An admin using Trusted Advisor to improve security configurations in their AWS environment.



AWS Artifact

AWS Artifact provides on-demand access to compliance reports and agreements for AWS customers.

A compliance officer downloading GDPR compliance reports from AWS Artifact.



AWS Organizations

AWS Organizations helps manage multiple AWS accounts centrally for governance and billing.

Example: An enterprise managing separate accounts for development, testing, and production environments.



Amazon SNS (Simple Notification Service)

Amazon SNS is a fully managed messaging service for sending notifications to various endpoints.

Example: An app using SNS to send push notifications for user activity updates.



Amazon SQS (Simple Queue Service)

Amazon SQS is a message queuing service for decoupling and scaling microservices, distributed systems, and serverless applications.

A microservices architecture where SQS handles task queues between services.



Amazon SES (Simple Email Service)

Amazon SES is a scalable email sending service for transactional and marketing emails.

An e-commerce platform using SES to send order confirmation emails to customers.



Elastic Beanstalk

AWS Elastic Beanstalk simplifies application deployment by managing infrastructure and scaling automatically.

A startup deploying a web app using Elastic Beanstalk with minimal manual configuration.



AWS Amplify

AWS Amplify is a set of tools and services for building scalable mobile and web applications.

A developer using Amplify to integrate backend services like authentication and APIs into a mobile app.



AWS AppSync

AWS AppSync is a managed service for developing GraphQL APIs, enabling real-time data synchronization.

A live sports app using AWS AppSync to deliver up-to-the-second score updates.



AWS Security Hub

AWS Security Hub centralizes security alerts and compliance checks for AWS environments.

An enterprise monitoring its AWS security posture and compliance across multiple accounts using Security Hub.



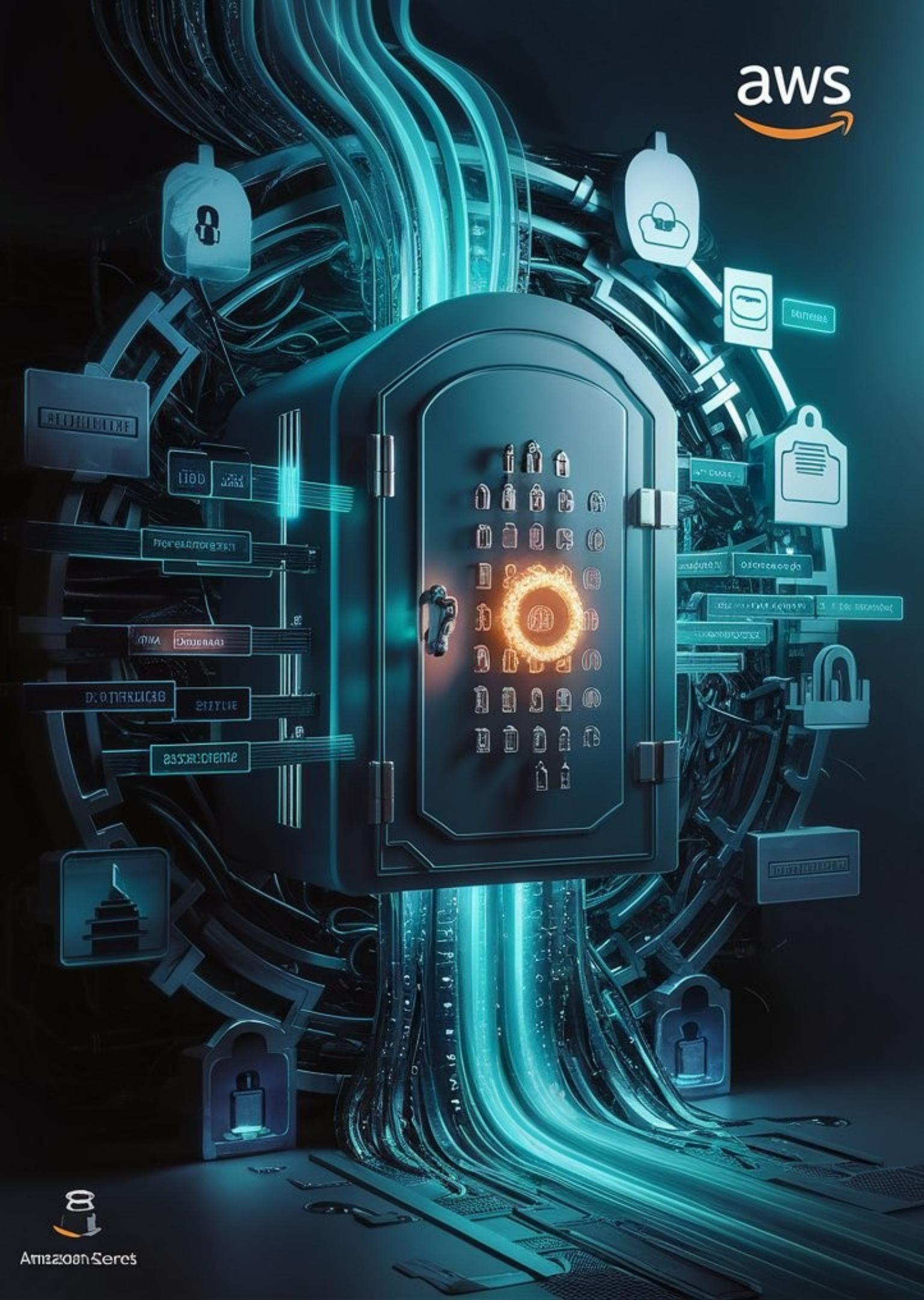
Amazon Kinesis

Real-Time Streaming
and Processing

Amazon Kinesis

Amazon Kinesis is a real-time data streaming service for collecting, processing, and analyzing data at scale.

A video analytics platform uses Kinesis to stream and analyze live video feeds for motion detection.



Amazon Secrets Manager

Amazon Secrets Manager is an AWS service that securely stores, manages, and retrieves sensitive information like database credentials, API keys, and secrets.

A web application retrieves its database password securely from Secrets Manager instead of storing it in the code.



AWS DataSync

AWS DataSync is a service that automates and accelerates secure data transfers between on-premises storage and AWS cloud services.

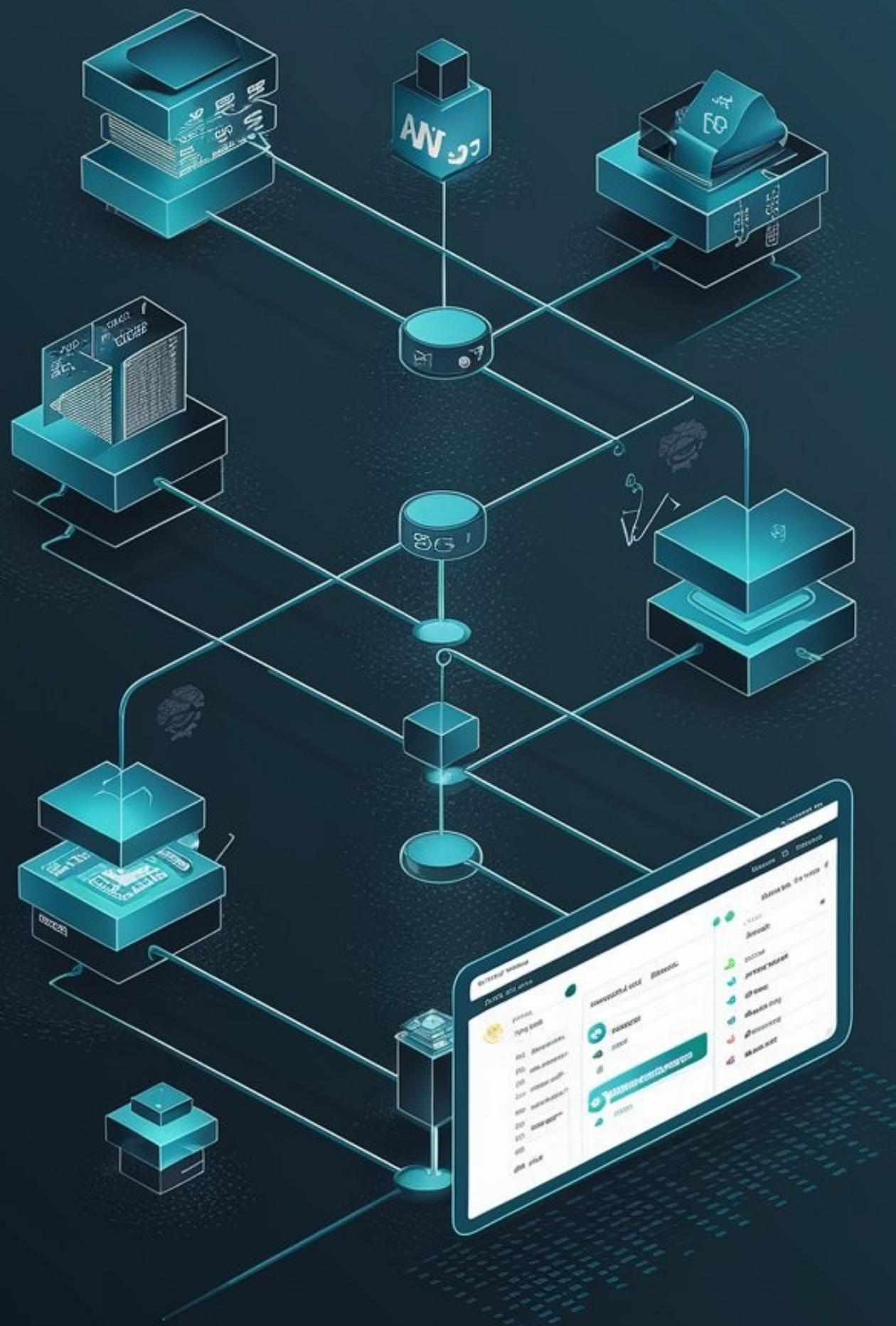
A company uses AWS DataSync to migrate large datasets from its on-premises NAS storage to Amazon S3 for cloud backup and analysis.



Amazon SageMaker

Amazon SageMaker is a fully managed AWS service that enables developers and data scientists to build, train, and deploy machine learning models at scale.

A company uses Amazon SageMaker to train an AI model for customer sentiment analysis using real-time social media data.



AWS Step Functions

AWS Step Functions is a serverless workflow orchestration service that automates multi-step processes using visual workflows.

An e-commerce platform uses AWS Step Functions to manage an order fulfillment workflow, coordinating inventory checks, payment processing, and shipping.



AWS API Gateway

AWS API Gateway is a fully managed service that allows developers to create, deploy, and manage secure APIs at scale.

A mobile app uses AWS API Gateway to handle requests, route them to AWS Lambda, and return responses securely.