🧠 AI and Machine Learning

CATEGORY	AWS SERVICE	AZURE	GOOGLE CLOUD	ORACLE CLOUD
AI CONTAINERS	Deep Learning Containers	GPU support on AKS	Deep Learning Containers	Data Science Container Images
AI-POWERED ASSISTANT	Amazon Q	Azure OpenAI Service	Gemini for Google Cloud	OCI Generative AI Assistant
HUMAN REVIEW/MODERATION	Amazon Augmented AI (A2I)	Azure AI Content Safety	—	OCI AI Services (Vision/Text/Language)
CHATBOT BUILDER	Amazon Lex	Azure Bot Service, Health Bot	Dialogflow	Oracle Digital Assistant
DATA LABELING	SageMaker Ground Truth	Azure ML Data Labeling	Vertex AI Data Labeling	OCI Data Labeling
DOCUMENT EXTRACTION	Amazon Textract	Azure Document Intelligence	Document AI	OCI Document Understanding
GENERATIVE AI PLATFORMS	Amazon Bedrock	Azure OpenAI	Vertex AI	OCI Generative AI
IMAGE RECOGNITION	Amazon Rekognition	Azure AI Vision	Vision AI	OCI Vision AI
INFERENCE ACCELERATION	AWS Inferentia, Elastic Inference	GPU support on AKS	Cloud TPU, Edge TPU	OCI AI GPU Instances
LANGUAGE TRANSLATION	Amazon Translate	Azure Translator	Translation AI	OCI Language Service
ML/AI CHIPS	Inferentia, Trainium	Maia 100	Cloud TPU, Trillium TPU	NVIDIA A100/H100 GPU on OCI
MANAGED ML PLATFORM	Amazon SageMaker	Azure Machine Learning	Vertex AI	OCI Data Science
NOTEBOOKS	EMR Notebooks	Azure Notebooks	Vertex AI Workbench, Colab	OCI Data Science Notebooks
ONLINE FRAUD DETECTION	Amazon Fraud Detector	Azure Anomaly Detector	reCAPTCHA Enterprise	OCI Anomaly Detection
PRECONFIGURED ML VMS	Deep Learning AMIs	Data Science VM	Deep Learning VM Image	OCI Marketplace ML Images
RECOMMENDATION ENGINE	Amazon Personalize	Azure AI Personalizer	Recommendations AI	OCI AI Recommendation System
SPEECH RECOGNITION/SYNTHESIS	Amazon Transcribe, Polly	Azure Speech	Speech-to-Text & Text-to-Speech API	OCI Speech AI
TEXT ANALYSIS	Amazon Comprehend	Azure AI Language	Natural Language API	OCI Text AI
TIME-SERIES FORECASTING	Amazon Forecast	Azure AutoML Forecasting	TimesFM / Vertex AI Forecasting	OCI Forecasting AI
VIDEO ANALYSIS	Rekognition Video	Azure Video Indexer	Video Intelligence API	OCI Vision AI
VISUAL INSPECTION	Lookout for Vision	Azure Custom Vision	Visual Inspection AI	OCI Vision Custom Models

📊 Analytics

CATEGORY	AWS SERVICE	AZURE EQUIVALENT	GOOGLE CLOUD	ORACLE CLOUD
BIG DATA PROCESSING	Amazon EMR, AWS Glue	Azure HDInsight, Data Lake Analytics	Dataproc	Oracle Big Data Service
BUSINESS ANALYTICS	Amazon QuickSight, Amazon FinSpace	Power BI, Azure Synapse Analytics, Graph Connect	Looker, BigQuery BI Engine	Oracle Analytics Cloud (OAC)
DATA EXPLORATION/CATALOG	Amazon Athena, AWS Glue Data Catalog	Azure Data Explorer, Azure Data Catalog	Dataplex, Data Catalog	Oracle Data Catalog
DATA LAKE CREATION	AWS Lake Formation	Azure Data Lake Storage Gen2	Cloud Storage with Data Lakes	Oracle Lakehouse with OCI Object Storage
DATA SHARING/EXCHANGE	AWS Data Exchange, Lake Formation, AMB	Azure Data Share	Analytics Hub, Datashare	Oracle Data Integration, Oracle Data Safe
DATA STREAMING	Amazon Kinesis, Data Firehose, Kinesis Analytics	Azure Stream Analytics, Event Hubs	Dataflow, Pub/Sub, Datastream	Oracle Cloud Streaming
DATA WAREHOUSING	Amazon Redshift	Azure Synapse Analytics, Azure Databricks	BigQuery	Oracle Autonomous Data Warehouse
DATA WRANGLING	AWS Glue DataBrew, SageMaker Data Wrangler	Azure Data Factory	Dataprep by Trifacta	Oracle Data Integrator, Oracle Data Preparation
ETL	AWS Glue, AWS Data Pipeline	Azure Data Factory, Synapse Pipelines	Dataflow, Cloud Data Fusion	Oracle Data Integrator, Oracle Cloud Infrastructure
HOSTED HADOOP/SPARK	Amazon EMR	Azure HDInsight	Dataproc	Oracle Big Data Service
MANAGED KAFKA	Amazon MSK (Managed Streaming for Kafka)	Azure Event Hubs for Kafka	Confluent Cloud	OCI Streaming (Kafka-Compatible)
MANAGED SEARCH	Amazon OpenSearch, CloudSearch	Azure Cognitive Search, Bing Web Search API	Cloud Search	Oracle OpenSearch on OCI
QUERY SERVICE	Amazon Athena, Redshift Spectrum	Synapse Analytics, Azure Data Lake Analytics	BigQuery SQL	Oracle Autonomous Database with SQL

Application Integration

CATEGORY	AWS SERVICE	AZURE EQUIVALENT	GOOGLE CLOUD	ORACLE CLOUD
API MANAGEMENT	Amazon API Gateway, AWS AppSync	Azure API Management, Azure API Apps	Apigee API Management, API Gateway	Oracle API Gateway
DISTRIBUTED COORDINATION	AWS Step Functions, Simple Workflow (SWF)	Azure Logic Apps, Durable Functions	Cloud Tasks, Workflows	Oracle Integration Cloud
EVENT HANDLING	Amazon EventBridge	Azure Event Grid	Eventarc	OCI Events and Service Connectors
INTEGRATION SERVICE	AWS AppFlow, Step Functions	Azure Logic Apps, Data Factory	Application Integration	Oracle Integration Cloud, Process Automation
MESSAGING	Amazon SQS, SNS, MQ	Azure Service Bus, Queue Storage, Web PubSub	Pub/Sub	Oracle Cloud Infrastructure Queue Service
SERVICE DISCOVERY	AWS Cloud Map	Azure DNS SD (Sphere), Azure App Configuration	Service Directory	Oracle Service Discovery in OKE
SERVICE MESH	AWS App Mesh	Open Service Mesh (OSM), AKS	Istio / Anthos Service Mesh	Oracle Cloud Service Mesh
WORKFLOW ORCHESTRATION	AWS Managed Workflows for Apache Airflow (MWAA), Step Functions	Azure Data Factory, Logic Apps	Cloud Composer	Oracle Integration Cloud with BPEL Support

🧩 **Business Applications**

CATEGORY	AWS SERVICE	AZURE EQUIVALENT	GOOGLE CLOUD	ORACLE CLOUD
COLLABORATION SUITE	—	Microsoft 365, Azure FluidRelay	Google Workspace	Oracle Content & Experience Cloud
DOCUMENT SHARING	Amazon WorkDocs	Microsoft Word (Office Online)	Google Docs	Oracle Content Management Cloud
EMAIL AND CALENDAR	Amazon WorkMail	Microsoft Outlook	Gmail, Google Calendar	Oracle Cloud Email Delivery
LOW-CODE/NO-CODE TOOLS	AWS Amplify, App Runner, QuickSight	Microsoft Power Apps	Google AppSheet	Oracle APEX (Application Express)
VIDEO CALLS AND CHAT	Amazon Chime	Microsoft Teams	Google Meet	Oracle Web Conferencing (limited)
VOICE ASSISTANT	Amazon Alexa, Amazon Lex	Azure AI Speech	Google Assistant	Oracle Digital Assistant

🖥 **Compute**

CATEGORY	AWS SERVICE	AZURE EQUIVALENT	GOOGLE CLOUD	ORACLE CLOUD
AUTOSCALING	EC2 Auto Scaling, AWS Auto Scaling	Virtual Machine Scale Sets, Autoscale	Managed Instance Groups (MIGs)	OCI Compute Autoscaling
BATCH PROCESSING	AWS Batch	Azure Batch	Batch	OCI Batch
HYBRID/EXTENDED INFRA	AWS Outposts, ECS Anywhere, EKS Anywhere	Azure Stack	Google Distributed Cloud	Oracle Dedicated Region, Oracle Alloy
SERVERLESS COMPUTE	AWS Lambda	Azure Functions	Cloud Functions, Cloud Run	Oracle Functions
HPC MANAGEMENT	AWS ParallelCluster	Azure CycleCloud	Cluster Toolkit	OCI HPC and Cluster Networking
DEDICATED SERVERS	EC2 Dedicated Hosts	Azure Dedicated Host	Sole-tenant nodes	OCI Dedicated Virtual Hosts
PAAS WEB HOSTING	Elastic Beanstalk, Lightsail	Azure App Service	App Engine	Oracle Application Container Cloud
QUANTUM COMPUTING	Amazon Braket	Azure Quantum	—	—
VIRTUAL MACHINES	EC2	Azure Virtual Machines	Compute Engine	OCI Compute Instances
VM IMAGE BUILDER	EC2 Image Builder	Azure VM Image Builder	Packer with Compute Engine	OCI Custom Images
VMWARE INTEGRATION	VMware Cloud on AWS	Azure VMware Solution	Google Cloud VMware Engine	Oracle Cloud VMware Solution (OCVS)

📦 **Containers**

CATEGORY	AWS SERVICE	AZURE EQUIVALENT	GOOGLE CLOUD	ORACLE CLOUD
CONTAINER MIGRATION	App2Container (A2C)	Azure Migrate	Migrate to Containers	OCI Container Engine & App migration tools
CONTAINER REGISTRY	Amazon ECR, AWS CodeArtifact	Azure Container Registry	Artifact Registry	Oracle Cloud Container Registry (OCIR)
MANAGED CONTAINERS	ECS, AWS Copilot	Azure Container Apps	—	Oracle Cloud Native Environment
MANAGED KUBERNETES	Amazon EKS	Azure Kubernetes Service (AKS)	Google Kubernetes Engine (GKE)	Oracle Container Engine for Kubernetes (OKE)
SERVERLESS CONTAINERS	AWS Fargate, App Runner	Azure Container Instances	Cloud Run	OKE with Virtual Nodes or Functions support

💰 Cost Controls

CATEGORY	AWS SERVICE	AZURE	GOOGLE CLOUD	ORACLE CLOUD
ARCHITECTURE REVIEW	AWS Well-Architected Tool	Azure Well-Architected Review	Google Cloud Architecture Framework	Oracle Cloud Advisor
BILLING AND BUDGETING TOOLS	AWS Budgets, AWS Cost and Usage Reports (CUR)	Microsoft Cost Management	Cloud Billing, Budget API	OCI Budgets and Cost Analysis
OPTIMIZATION & RECOMMENDATIONS	AWS Trusted Advisor, Compute Optimizer	Azure Advisor	Recommenders	Oracle Cloud Advisor
COMMITMENT DISCOUNTS	EC2 Reserved Instances, Compute Savings Plans	Azure Reservations, Savings Plans	Committed Use Discounts, Sustained Use Discounts	Oracle Universal Credits, Reserved Capacity
SPOT/PREEMPTIBLE VMS	Amazon EC2 Spot Instances	Azure Spot Virtual Machines	Google Preemptible VMs, Spot VMs	OCI Preemptible Instances
COST ANOMALY DETECTION	AWS Cost Anomaly Detection	Microsoft Cost Management Alerts	Recommender Insights	OCI Budget Alerts, Anomaly Detection in Budgets

🗄️ Databases

CATEGORY	AWS SERVICE	AZURE EQUIVALENT	GOOGLE CLOUD	ORACLE CLOUD
BLOCKCHAIN	Amazon Managed Blockchain, QLDB	Azure Confidential Ledger	Blockchain Node Engine	Oracle Blockchain Platform
IN-MEMORY CACHE	Amazon ElastiCache, Amazon MemoryDB	Azure Cache for Redis	Memorystore	Oracle Coherence, Redis on OCI Marketplace
NOSQL (COLUMN-FAMILY)	Amazon Keyspaces (for Cassandra)	Azure Cosmos DB	Bigtable	Oracle NoSQL
NOSQL (DOCUMENT)	Amazon DocumentDB	Cosmos DB	Firestore, Firebase Realtime DB	Oracle Autonomous JSON DB, NoSQL DB
NOSQL (GRAPH)	Amazon Neptune	Cosmos DB (Gremlin API)	Neo4j on GCP	Oracle Spatial and Graph
NOSQL (KEY-VALUE)	Amazon DynamoDB	Cosmos DB	Firestore, Bigtable	Oracle NoSQL DB
RELATIONAL (RDBMS)	RDS, Amazon Aurora, Amazon Redshift	Azure SQL Database, PostgreSQL, MariaDB, Synapse	Cloud SQL, AlloyDB, Cloud Spanner	Oracle Autonomous Database, Oracle Exadata

TIME-SERIES	Amazon Timestream	Azure Time Series Insights	Bigtable	Oracle Stream Analytics

🛠️ Developer Tools

CATEGORY	AWS SERVICE	AZURE EQUIVALENT	GOOGLE CLOUD EQUIVALENT	ORACLE CLOUD EQUIVALENT
APP CONFIGURATION	AWS AppConfig	Azure App Configuration	Firebase Remote Config	Oracle Application Configuration Service
ARTIFACT MANAGEMENT	AWS CodeArtifact	Azure Artifacts	Artifact Registry	OCI DevOps Artifact Repository
CI/CD	CodePipeline, CodeBuild, CodeDeploy	Azure Pipelines, Azure DevOps	Cloud Build, Cloud Deploy	OCI DevOps Pipelines
CLI TOOLS	AWS CLI	Azure CLI	gcloud CLI	OCI CLI
CODE DEBUGGING	AWS X-Ray	Azure Monitor, App Insights	Cloud Trace, Firebase Crashlytics	OCI Logging Analytics with Trace Viewer
SDKS AND DEV KITS	AWS SDKs, CDK, Corretto	Azure SDKs	Google Cloud SDK	Oracle SDKs and OCI Developer Toolkit
GIT REPOSITORIES	AWS CodeCommit	Azure Repos	Cloud Source Repositories	OCI DevOps Code Repositories
WEB/MOBILE APP DEV	AWS Amplify	Azure Static Web Apps, Xamarin, Power Apps	Firebase	Oracle Visual Builder Studio
POWERSHELL	AWS Tools for PowerShell	Azure PowerShell	Cloud Tools for PowerShell	Oracle OCI PowerShell Modules
SCHEDULING	Amazon EventBridge, CloudWatch Events	Azure Logic Apps	Cloud Scheduler	OCI Events and Functions Scheduler
TESTING	AWS Device Farm, AWS Fault Injection Service (FIS)	Azure DevTest Labs, Azure Test Plans	Firebase Test Lab	OCI DevOps and Test Automation with Oracle Cloud Testing

🌐 IoT

CATEGORY	AWS SERVICE	AZURE EQUIVALENT	GOOGLE CLOUD EQUIVALENT	ORACLE CLOUD EQUIVALENT
DEVICE CONNECTIVITY	AWS IoT Core, IoT Device Management, SiteWise	Azure IoT Hub, Azure IoT Central	Leverege Connect, IoT Core	Oracle IoT Cloud Service
EDGE COMPUTING	AWS IoT Greengrass	Azure IoT Edge	Edge TPU	Oracle Edge Services and Edge Analytics

IOT SECURITY	AWS IoT Device Defender	Microsoft Defender for IoT	—	Oracle IoT Security Integration
VIRTUAL MODELING	AWS IoT Things Graph, TwinMaker	Azure Digital Twins	—	Oracle Digital Twin Modeler (via IoT/AI Suite)
IOT GATEWAYS	AWS IoT Core	Azure IoT Hub	—	Oracle IoT Cloud Gateway

🛡️ **Management and Governance**

CATEGORY	AWS SERVICE	AZURE	GOOGLE	ORACLE
ANOMALY DETECTION	Amazon Lookout for Metrics, CloudWatch Anomaly	Azure AI Anomaly Detector	Apigee Anomaly Detection	OCI Budgets with Alerts, Logging Analytics
APP/DATA CATALOG	AWS Service Catalog, AWS Glue Data Catalog	Azure Blueprints, Azure Managed Apps, Data Catalog	Dataplex, Service Catalog	Oracle Service Catalog, Oracle Data Catalog
AUTOMATION/ORCHESTRATION	AWS CloudFormation, OpsWorks, Proton	Azure Resource Manager, Azure Automation, Bicep	Deployment Manager, Cloud Scheduler	Oracle Resource Manager, Oracle Stack Management
CONFIG MANAGEMENT	AWS Config	Azure App Configuration, Azure Policy	Cloud Asset Inventory	Oracle Configuration Management
MONITORING	Amazon CloudWatch	Azure Monitor, Log Analytics	Cloud Monitoring	Oracle Logging Analytics, OCI Monitoring
HEALTH DASHBOARDS	AWS Health Dashboard	Azure Resource Health, Azure Service Health	Cloud Monitoring	OCI Health Dashboard, Notifications
HYBRID/MULTI-CLOUD MGMT	AWS Outposts, ECS Anywhere, Control Tower	Azure Arc, Azure Stack	Anthos, Google Distributed Cloud	Oracle Cloud Bridge, Oracle Cloud Observability
LICENSE MANAGEMENT	AWS License Manager	—	—	OCI License Manager
LOGGING	AWS CloudTrail, CloudWatch Logs	Azure Monitor Logs	Cloud Logging, Cloud Audit Logs	Oracle Logging
ADMIN CONSOLE	AWS Management Console	Azure Portal	Google Cloud Console	OCI Console
MULTI-ACCOUNT MGMT	AWS Organizations, Control Tower	Azure Lighthouse, Azure Management Groups	Resource Manager	Oracle Compartments, Tenancy Management
NETWORK MONITORING	AWS Network Manager	Azure Network Watcher	Network Intelligence Center	OCI Network Visualizer
POLICY ENFORCEMENT	AWS Organizations, SCPs	Azure Policy	Organization Policy Service	OCI IAM Policies, Governance Rules

🔄 Migration

CATEGORY	AWS SERVICE	AZURE EQUIVALENT	GOOGLE CLOUD	ORACLE CLOUD
DATABASE MIGRATION	AWS Database Migration Service (DMS)	Azure Database Migration Service	Database Migration Service	OCI Database Migration Service
DATA TRANSFER APPLIANCES	AWS Snowball, Snowcone	Azure Data Box	Transfer Appliance	Oracle Cloud Infrastructure Data Transfer Appliance
MIGRATION ACCELERATORS	AWS Migration Acceleration Program (MAP)	Azure Migrate & Modernize, FastTrack for Azure	Rapid Migration and Modernization Program (RaMP)	Oracle Cloud Lift Services
ONLINE TRANSFER & SYNC	AWS DataSync, AWS Transfer Family	Azure Storage Mover	Storage Transfer Service, Transfer Appliance	Oracle Data Transfer Cloud Service
ON-PREMISE DISCOVERY	AWS Migration Evaluator, Application Discovery	Azure Migrate	—	Oracle Cloud Migration Planning Tools
VM MIGRATION	AWS Application Migration Service (MGN)	Azure Migrate	Migrate to Virtual Machines	OCI Migrate, Oracle Cloud VMware Solution

🧩 Miscellaneous

CATEGORY	AWS SERVICE	AZURE EQUIVALENT	GOOGLE CLOUD	ORACLE CLOUD
CUSTOMER MULTICHANNEL CONTACT	Amazon Connect, Contact Lens	Azure Communication Services	Contact Center AI	Oracle Service Cloud, B2C Service, Digital Assistant
MARKETING & NOTIFICATIONS	Amazon Pinpoint, SES	Azure Notification Hubs	Firebase Cloud Messaging (FCM)	Oracle Responsys, Oracle Cloud Email Delivery
HEALTHCARE (FHIR)	AWS HealthLake	Azure Health Data Services	Cloud Healthcare API, Apigee HealthAPIx	Oracle Healthcare Data Platform, Oracle Health FHIR
GAMING	Amazon GameLift, Lumberyard	Azure PlayFab	Google Cloud for Games	Oracle Game Analytics (niche)
GENOMICS	Amazon Genomics CLI	Microsoft Genomics	Cloud Life Sciences Batch	Oracle Genomics Cloud Services (via OCI Marketplace)
GEOLOCATION SERVICES	Amazon Location Service	Azure Maps	Google Maps Platform	Oracle Spatial and Mapping Services
MEDIA SERVICES	AWS Elemental, IVS, Nimble Studio	Azure Video Indexer, Azure Media Services	Video AI, Live Stream API, Transcoder API	Oracle Cloud Media Streams, Media Cloud
ROBOTICS	AWS RoboMaker	—	Cloud Robotics Core	Oracle Robotics Cloud Integration (limited availability)
SATELLITE GROUND STATIONS	AWS Ground Station	Azure Orbital	—	Oracle Space-Based Data Integration (3rd-party reliant)

| VIRTUAL DESKTOP INFRASTRUCTURE | Amazon WorkSpaces, AppStream 2.0 | Azure Virtual Desktop | — | Oracle Secure Desktop (via OCI) |

🌐 **Networking and Content Delivery**

CATEGORY	AWS SERVICE	AZURE EQUIVALENT	GOOGLE CLOUD	ORACLE CLOUD
5G EDGE INFRA	AWS Wavelength, Private 5G	Azure Private 5G Core, Azure MEC	—	Oracle MEC (via partner integrations)
API MANAGEMENT	Amazon API Gateway	Azure API Management	Apigee, API Gateway	Oracle API Gateway
CDN	Amazon CloudFront	Azure Front Door, Azure CDN	Cloud CDN, Media CDN	OCI Content Delivery Network
DEDICATED CONNECTION	AWS Direct Connect	Azure ExpressRoute	Cloud Interconnect	OCI FastConnect
DNS	Amazon Route 53	Azure DNS	Cloud DNS	OCI DNS
LOAD BALANCING	ELB (ALB/NLB/CLB)	Azure Load Balancer, Traffic Manager	Cloud Load Balancing	OCI Load Balancer
GLOBAL TRAFFIC ACCELERATION	AWS Global Accelerator	Azure Front Door	Premium Network Tier	OCI Traffic Management
NAT	NAT Gateway	Azure NAT Gateway	Cloud NAT	OCI NAT Gateway
VPC PEERING	VPC Peering	Azure VNet Peering	VPC Peering	VCN Peering (Virtual Cloud Network Peering)
PRIVATE CONNECTIVITY	AWS PrivateLink	Azure Private Link	Private Service Connect	Oracle Private Endpoints
SERVICE DISCOVERY	Cloud Map, VPC Lattice	Azure App Config, Azure Sphere (DNS-SD)	Service Directory	Oracle Cloud Service Discovery
SERVICE MESH	App Mesh	Open Service Mesh (OSM)	Anthos Service Mesh, Istio	Oracle Cloud Service Mesh
WAN/VPN	AWS Cloud WAN, AWS VPN	Azure Virtual WAN, VPN Gateway	Network Connectivity Center, Cloud VPN	Oracle Cloud WAN, OCI VPN Connect
VPC	Amazon VPC	Azure Virtual Network	VPC	OCI Virtual Cloud Network (VCN)

🔒 **Security**

CATEGORY	AWS SERVICE	AZURE EQUIVALENT	GOOGLE CLOUD	ORACLE CLOUD
AUDIT AND COMPLIANCE	AWS Artifact, AWS Audit Manager	Microsoft Service Trust Portal	Assured Workloads	Oracle Risk Management Cloud, OCI Audit Logs
CENTRALIZED SECURITY MGMT	AWS Security Hub	Microsoft Defender for Cloud	Security Command Center (SCC)	Oracle Cloud Guard
CERTIFICATE MANAGEMENT	AWS Certificate Manager	Azure App Service Certificates	Certificate Authority Service	Oracle Certificate Management (OCI Certificates)
CONFIDENTIAL COMPUTING	AWS Nitro Enclaves	Azure Confidential Computing	Confidential Computing	Not Publicly Available
CONTAINER SECURITY	Amazon ECR, Inspector	Microsoft Defender for Containers	Binary Authorization, Artifact Analysis	Oracle Container Security in OCI DevOps
DATA DISCOVERY/CLASSIFICATION	Amazon Macie	Azure Information Protection, Data Catalog	DLP API, Data Catalog	Oracle Data Safe
DDOS PROTECTION	AWS Shield, AWS WAF	Azure DDoS Protection, Azure WAF	Google Cloud Armor	Oracle Web Application Firewall (WAF)
IDENTITY & ACCESS MGMT (IAM)	AWS IAM	Azure AD, Microsoft Entra	Identity Platform, IAM	Oracle Identity and Access Management
CERTIFICATE/KEY MANAGEMENT	AWS KMS, CloudHSM	Azure Key Vault, Azure Dedicated HSM	Cloud KMS, Cloud HSM	Oracle Cloud Infrastructure Vault
MICROSOFT AD SUPPORT	AWS Directory Service for Microsoft AD	Microsoft Entra Domain Services	Managed AD	Oracle Managed Microsoft AD
REGULATED CLOUD ZONES	AWS GovCloud	Azure Government	Assured Workloads	Oracle Government Cloud Regions
RESOURCE ACCESS POLICIES	AWS Resource Access Manager	Azure Resource Manager	Resource Manager	OCI Compartments & Policies
SECRETS MANAGEMENT	AWS Secrets Manager	Azure Key Vault (Secrets)	Secret Manager	Oracle Secrets in OCI Vault
CONTEXT-BASED ACCESS	AWS Verified Access	Microsoft Entra Application Proxy, Conditional Access	Identity-Aware Proxy (IAP)	Oracle IAM Conditions

APPROVAL WORKFLOWS	—	Customer Lockbox for Microsoft Azure	Access Transparency, Access Approval	Oracle Approval Workflows in Governance
SSO	AWS IAM Identity Center	Microsoft Entra Single Sign-On	Cloud Identity, Identity Platform	Oracle Identity Federation
THREAT DETECTION	Amazon GuardDuty, Detective	Microsoft Defender for Cloud, Sentinel	SCC, Event Threat Detection	Oracle Cloud Guard, Logging Analytics Threat Detection
VULNERABILITY SCANNING	Amazon Inspector	Microsoft Defender for Cloud	Web Security Scanner	Oracle Vulnerability Scanning Service