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| Service Category | AWS | Microsoft Azure | Google Cloud Platform (GCP) |
| Compute | EC2 (Virtual Machines), Lambda (Serverless Functions), Fargate (Serverless Containers) | Virtual Machines, Virtual Machine Scale Sets, Azure Functions (Serverless Functions), Azure Container Instances (ACI) | Compute Engine (GCE), Kubernetes Engine (GKE), Cloud Functions (Serverless Functions) |
| Storage | S3 (Object Storage), EBS (Block Storage), Glacier (Archival Storage), EFS (File Storage) | Blob Storage, Azure Files (Managed File Shares), Archive Blob Storage, Azure Data Share (Data Sharing) | Cloud Storage, Cloud Filestore (Managed Files), Cloud Storage Archive, Cloud Datastore (NoSQL for Apps) |
| Databases | RDS (Managed Relational Databases), Aurora (High-Performance Relational DB), DynamoDB (NoSQL Database) | SQL Database (Managed Relational Databases), Cosmos DB (NoSQL Database), Azure Database for PostgreSQL/MySQL/MariaDB | Cloud SQL (Managed Relational Databases), Cloud Spanner (Globally Distributed Database), Bigtable (NoSQL Database for Big Data) |
| Networking | VPC (Virtual Private Cloud), Route 53 (Domain Name System), Direct Connect (Dedicated Network Connection) | Virtual Networks, Azure DNS (Domain Name System), ExpressRoute (Dedicated Network Connection) | VPC (Virtual Private Cloud), Cloud DNS (Domain Name System), Cloud Interconnect (Dedicated Network Connection) |
| Management & DevTools | CloudFormation (Infrastructure as Code), CloudWatch (Monitoring & Logging), CloudTrail (Audit Logging) | Resource Manager (Infrastructure as Code), Azure Monitor (Monitoring & Logging), Azure Log Analytics (Security & Monitoring) | Cloud Deployment Manager (Infrastructure as Code), Cloud Monitoring & Logging (Monitoring & Logging), Stackdriver Error Reporting (Application Error Monitoring) |
| Analytics & Machine Learning | Redshift (Data Warehouse), EMR (Hadoop Framework), SageMaker (Machine Learning) | Azure Synapse Analytics (Data Warehouse), Azure Databricks (Apache Spark), Azure Machine Learning (Machine Learning) | BigQuery (Data Warehouse), Dataproc (Hadoop & Spark), Vertex AI (Machine Learning) |
| Containers | ECS (Container Orchestration), EKS (Managed Kubernetes Service) | Azure Container Instances (ACI), Azure Kubernetes Service (AKS) (Managed Kubernetes) | Kubernetes Engine (GKE) (Managed Kubernetes) |
| Security | IAM (Identity & Access Management), Security Hub (Security Posture Management) | Azure Active Directory (Identity & Access Management), Azure Security Center (Security Posture Management) | Cloud IAM (Identity & Access Management), Cloud Security Command Center (Security Posture Management) |
| Content Delivery | CloudFront (Content Delivery Network) | Azure CDN (Content Delivery Network) | Cloud CDN (Content Delivery Network) |
| Mobile | Cognito (User Identity Management), SNS (Mobile Push Notifications) | Azure Mobile Apps (Mobile Backend as a Service - MBaaS), Azure Notification Hub (Push Notifications) | Firebase (Mobile Backend as a a Service - MBaaS), Cloud Pub/Sub (Messaging) |
| AI & ML | Lex (Chatbots), Rekognition (Image Recognition), Translate (Machine Translation) | Azure Bot Service (Chatbots), Computer Vision (Image Recognition), Cognitive Services (Text Analytics, etc.) | Dialogflow (Chatbots), Cloud Vision API (Image Recognition), Translation API (Machine Translation) |
| IoT (Internet of Things) | IoT Core (Managed Service for IoT Devices), Greengrass (Local Compute for IoT) | IoT Hub (Managed Service for Connecting Devices), Azure Sphere (Security for IoT Devices) | Cloud IoT Core (Managed Service for Connecting Devices) |
| Blockchain | Amazon Managed Blockchain (Blockchain Network as a Service) | Azure Blockchain Service (Blockchain Network as a Service) | Cloud Blockchain Engine (Managed Blockchain Service) |
| Big Data | Kinesis (Real-time Data Streams), EMR (Hadoop Framework), Glue (Data Catalog) | Event Hubs (Real-time Data Ingestion), Azure Databricks (Apache Spark) | Pub/Sub (Real-time Messaging), Dataproc (Hadoop & Spark), Dataflow (Stream & Batch Data Processing) |
| Serverless | Step Functions (Orchestrate Workflows), SQS (Messaging Queues) | Logic Apps (Automate Workflows), Azure Event Grid (Event Routing) | Cloud Functions (Event-Triggered Code), Cloud Pub/Sub (Messaging) |
| AR/VR | Sumerian (AR/VR Development Tools) | Azure Spatial Anchors (AR Development Tools) | Cloud ARCore (AR Development Tools) |
| Workplace | WorkMail (Cloud-based Email), WorkDocs (Document Collaboration) | Exchange Online (Cloud-based Email), OneDrive (Cloud Storage) | Workspace Productivity Suite (Email, Docs, Calendar, etc.) |
| Developer Tools | CodeCommit (Git Repository Hosting), CodeBuild (Build & Test Code) | Azure DevOps (Version Control, CI/CD) | Cloud Source Repositories (Git Hosting), Cloud Build (Build & Test Code) |
| Media Services | MediaConvert (Video Transcoding), MediaLive (Live Video Streaming) | Media Services (Video & Audio Encoding/Delivery) | Cloud Transcoder (Video Transcoding), Cloud CDN (Content Delivery Network) |
| Business Applications | WorkDocs (Document Collaboration), Chime (Video Conferencing) | Dynamics 365 (CRM & ERP Applications) | Cloud Spanner (Globally Distributed Database), App Engine (Scalable Web Apps) |
| Machine Learning Operations (MLOps) | SageMaker Pipelines (ML Workflow Management), Model Registry (ML Model Management) | Azure Machine Learning (Model Training & Deployment), Azure Machine Learning Service (MLOps) | Vertex AI Pipelines (ML Workflow Management), Vertex Explainable AI (ML Model Explainability) |
| Artificial Intelligence (AI) | Comprehend (Natural Language Processing), Rekognition Video (Video Analysis), Transcribe (Speech-to-Text) | Azure Cognitive Services (Computer Vision, Speech Services, etc.), Azure Bot Service (Conversational AI) | Cloud Natural Language API (Text Analysis), Dialogflow (Conversational AI), Cloud Video Intelligence (Video Analysis) |
| Quantum Computing | Amazon Braket (Quantum Computing Service) | Azure Quantum (Quantum Computing Service) | Quantum AI Services (Access to Quantum Computing Hardware) |
| Robotics | RoboMaker (Development Tools for Robotics) | Azure Digital Twins (Digital Twins for IoT & Robotics) | Cloud Robotics (Development Tools for Robotics) |
| Serverless on GPUs | AWS Lambda with GPUs (Serverless Functions with GPU Processing Power) | Azure Functions with GPUs (Serverless Functions with GPU Processing Power) | Cloud Functions with GPUs (Serverless Functions with GPU Processing Power) |
| Data Governance | AWS Glue Data Catalog (Data Catalog Management), Lake Formation (Govern Data Lakes) | Azure Purview (Data Governance) | Cloud Data Catalog (Data Catalog Management) |
| Desktop as a Service (DaaS) | WorkSpaces (Cloud-based Desktops) | Windows Virtual Desktop (Cloud-based Desktops) | Chrome Enterprise (Cloud-based Desktops) |

Besides the big three cloud service providers (AWS, GCP, Microsoft Azure), here are 5 other noteworthy options to consider:

1. Alibaba Cloud: The leading cloud provider in China, Alibaba Cloud offers a wide range of services similar to AWS and Azure, including storage, compute, databases, and networking. They are known for their competitive pricing and strong presence in the Asia-Pacific region.
2. IBM Cloud: IBM Cloud offers a unique blend of cloud services and enterprise software, making it a good option for businesses that already use IBM products. They are particularly strong in cloud security and artificial intelligence.
3. Oracle Cloud: Oracle Cloud offers a comprehensive suite of cloud services, including infrastructure as a service (IaaS), platform as a service (PaaS), and software as a service (SaaS). They are a good option for businesses that are already using Oracle software and want a seamless cloud experience.
4. DigitalOcean: DigitalOcean is a cloud provider that is popular with developers for its simple and easy-to-use platform. They offer a variety of cloud computing options, including virtual machines, block storage, and cloud droplets.
5. Linode: Linode is another cloud provider that is popular with developers for its affordable pricing and ease of use. They offer a variety of cloud computing options, including virtual machines, cloud storage, and managed Kubernetes.

The best cloud service provider for you will depend on your specific needs and requirements. Consider factors such as pricing, features, scalability, and security when making your decision.