

Machine Learning		Free Tier
Cloud Machine Learning Engine	Managed Machine Learning (TensorFlow)	-
Cloud Job Discovery	ML Job Search/Discovery	-
Cloud Natural Language	Text Parsing and Analysis	5000 text operations per month
Cloud Speech	Convert Speech to Text	60 minutes of audio per month
Cloud Translation	Language Detection and Translation	-
Cloud Vision	Image Recognition and Classification	1000 image operations per month
Cloud Video Intelligence	Scene-level Video Annotation	First 1000 minutes of video free

Internet of Things		
Cloud IoT Core	Data Ingestion/Device Management	250MB network traffic

Big Data		
BigQuery	Data Warehouse/Analytics	1TB queries/month; 10GB storage
Cloud Dataflow	Stream/batch data processing	-
Cloud Dataproc	Managed Spark and Hadoop	-
Cloud Datalab	Visualize and Explore Data	-
Cloud Dataprep	Transform/Clean Raw Data	-
Cloud Pub/Sub	Global Real-time Messaging	10GB messages/month
Genomics	Managed Genomics Platform	-
Data Studio	Collaborative Dashboards	-

Databases		
Cloud SQL	Managed MySQL and PostgreSQL	-
Cloud Bigtable	HBase compatible nonrelational	-
Cloud Datastore	Horizontally scalable nonrelational	1GB Storage
Cloud Spanner	Horizontally scalable relational	-

Storage		
Cloud Storage	Object Storage and Serving	5GB Regional storage
Nearline	Archival Storage	5GB Regional storage
Coldline	Archival Cold Storage	5GB Regional storage
Persistent Disk	VM-attached disks	-

Data Transfer		
Google Transfer Appliance	Hardware for Data Migration	-
Cloud Storage Transfer Service	Cloud to Cloud Transfers	-
BigQuery Data Transfer Service	Bulk Import Analytics Data	-

Compute		Free Tier
Compute Engine	Virtual Machines, Disks, Network	1 f1-micro instance; 30GB HDD
App Engine	Managed App Platform	28 instance hrs per day; 5GB Storage
Container Engine	Managed Kubernetes/Containers	Basic cluster mgmt <= 5 nodes
Cloud Functions	Event-driven serverless applications	2 million invocations per month

Networking		
Virtual Private Cloud	Software Defined Networking	-
Cloud Load Balancing	Multi-region Load Distribution	-
Cloud CDN	Content Delivery Network	-
Cloud DNS	Programmable DNS Serving	-
Dedicated Interconnect	Dedicated private network connection	-
IPsec VPN	Virtual private network connection	-
Direct Peering	Peer with GCP	-
Carrier Peering	Peer with a carrier	-

Identity and Security		
Cloud IAM	Resource Access Control	-
Cloud Identity-Aware Proxy	Identity-based App Signin	-
Cloud Data Loss Prevention API	Classify, Redact Sensitive Data	-
Cloud Key Management Service	Hosted Key Management Service	-
Cloud Resource Manager	Cloud Project Metadata Management	-
Cloud Security Scanner	App Engine Security Scanner	-
Security Key Enforcement	Two-step Key Verification	-

Management Tools		Free Tier
Stackdriver Monitoring	Infrastructure and Application Monitoring	Free for GCP
Stackdriver Logging	Centralized Logging	5GB per project per month; 7 day retention
Stackdriver Error Reporting	App Error Reporting	Free for App Engine or if using logging
Stackdriver Trace	App Performance Insights	Free
Stackdriver Debugger	Live Production Debugging	Free
Cloud Deployment Manager	Templated Infrastructure Deployment	-
Cloud Console	Web-based Management Console	-
Cloud Shell	Browser-based Terminal/CLI	Free
Cloud Mobile App	iOS/Android GCP Manager App	-
Cloud Billing API	Programmatically Manage GCP Billing	-
Cloud APIs	APIs for Cloud Services	-

Developer Tools		
Cloud SDK	CLI for GCP	-
Container Registry	Private Container Registry/Storage	-
Container Builder	Build/Package Container Artifacts	120 build mins/day
Cloud Source Repositories	Hosted Private Git Repos	1GB private hosting
Cloud Tools for Android Studio	Android Studio GCP Tools	-
Cloud Tools for IntelliJ	IntelliJ GCP Tools	-
Cloud Tools for PowerShell	PowerShell GCP Tools	-
Cloud Tools for Visual Studio	Visual Studio GCP Tools	-
Cloud Tools for Eclipse	Eclipse GCP Tools	-
Gradle App Engine Plugin	Gradle App Engine Plugin	-
Maven App Engine Plugin	Maven App Engine Plugin	-

API Platform and Ecosystems		
Apigee API Platform	Develop, secure, monitor APIs	-
Apigee Sense	API protection from attacks	-
API Monetization	Monetize APIs	-
API Analytics	API Metrics	-
Cloud Endpoints	Cloud API Gateway	-

Mobile (Firebase)		
Realtime Database	Real-time Data Synchronization	100 Connections 1GB Stored
Cloud Firestore	Document Store and Sync	1GB Stored
Cloud Storage	File Storage and Serving	5GB Stored
Hosting	Web Hosting with CDN/SSL	1GB Store / 10GB per Month Transfer
Authentication	Drop-in Authentication	Free
Cloud Functions	Event-driven Serverless Applications	125K Invocations/Month
Test Lab for Android	Mobile Device Testing Service	5/10 Physical/Virtual Device Tests per day
Performance Monitoring	App Performance Monitoring	Free
Crashlytics	Crash Reporting and Analytics	Free
Cloud Messaging	Send Messages to Devices	Free
See all Firebase products		



Every Product Described in Four Words or Less