

| Machine Learning | | Free Tier |
|--|---------------------------------------|----------------------------------|
| Cloud Machine Learning Engine | Managed Machine Learning (TensorFlow) | - |
| Cloud Job Discovery | ML Job Search and 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 |
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| Internet of Things | | |
| Cloud IoT Core | Data Ingestion/Device Management | 250MB network traffic |
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| 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 | - |
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| Databases | | |
| Cloud SQL | Managed MySQL and PostgreSQL | - |
| Cloud Bigtable | HBase compatible nonrelational | - |
| Cloud Datastore | Horizontally scalable nonrelational | 1GB Storage |
| Cloud Spanner | Horizontally scalable relational | - |
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| 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 | - |
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| 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 |
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| 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 |
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| 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 | - |
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| 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 | - |
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| 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 | - |
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| 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 | - |
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| 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 | | |



Google Cloud Platform

Every Product Described in Four Words or Less