December 22, 2023

Google LLC (GCP and Workspace) 1600 Amphitheatre Pkwy Mountain View, California 94043-1351

Based upon representation from management as to the accuracy and completeness of information provided, the procedures performed by an Authorized External Assessor to validate such information, and HITRUST's independent confirmation that the work was performed in accordance with the HITRUST® Assurance Program requirements, the following platforms, facilities, and supporting infrastructure of the Organization ("Scope") meet the HITRUST CSF® v11.0.1 Risk-based, 2-year (r2) certification criteria:

Platforms:

- Google Cloud Platform
- Google Workspace

Facilities:

- London (1), United Kingdom (GB-LHR-SGH) (Data Center) managed by Virtus located in London, United Kingdom of Great Britain and Northern Ireland
- Ghlin, Hainaut, Belgium (BE-BRU-GBL) (Data Center) located in Ghlin, Belgium
- Moncks Corner (SC), United States of America (US-CHS-MNK) (Data Center) located in Moncks Corner, South Carolina, United States of America
- The Dalles (1) (OR), United States of America (US-DLS-DLS) (Data Center) located in The Dalles, Oregon, United States of America
- Ashburn (1) (VA), United States of America (US-IAD-ASH) (Data Center) managed by Digital Realty located in Ashburn, Virginia, United States of America
- Frankfurt (1), Hesse, Germany (DE-FRA-ROD) (Data Center) managed by e-shelter located in Frankfurt, Germany
- Changhua, Taiwan (TW-TPE-CHG) (Data Center) located in Changhua City, Changhua 507, China
- Pryor Creek (OK), United States of America (US-TUL-PRY) (Data Center) located in Pryor Creek, Oklahoma, United States of America
- Wenya, Singapore (SG-SIN-WEN) (Data Center) located in Wenya, Singapore
- Sydney, NSW, Australia (AU-SYD-MQP) (Data Center) managed by Macquarie located in Sydney, New South Wales, Australia



- Koto-ku (1), Tokyo, Japan(JP-NRT-KOT) (Data Center) managed by AT Tokyo located in Tokyo, Japan
- Hamina, Finland (FI-LPP-LPP) (Data Center) located in Hamina, Finland
- Osasco, Brazil (BR-GRU-OCO) (Data Center) managed by Ascenty located in Osasco, Brazil
- Mumbai, India (IN-BOM-MRL) (Data Center) managed by Netmagic located in Mumbai, Maharashtra, India
- Eemshaven, Groningen, The Netherlands (NL-GRQ-GRQ) (Data Center) located in Eemshaven, Netherlands
- Montral, Quebec, Canada (CA-YUL-PIL) (Data Center) managed by Cologix located in Montral, Quebec, Canada
- Los Angeles (CA), United States of America (US-LAX-TNX) (Data Center) managed by CoreSite located in Los Angeles, California, United States of America
- Zurich, Switzerland (CH-ZRH-JPA) (Data Center) managed by Green Datacenter located in Zurich, Switzerland
- Osaka, Japan (JP-KIX-SSC) (Data Center) managed by AT Tokyo located in Osaka, Japan
- Leesburg (VA), United States of America (US-IAD-SBP) (Data Center) located in Leesburg, Virginia, United States of America
- Ashburn (3) (VA), United States of America (US-IAD-LDN) (Data Center) managed by Sentinel Data Centers located in Sterling, Virginia, United States of America
- Ashburn (2) (VA), United States of America (US-IAD-STE) (Data Center) managed by CyrusOne located in Sterling, Virginia, United States of America
- Arcola (VA), United States of America (US-IAD-ARA) (Data Center) located in Sterling, Virginia, United States of America
- Salt Lake City (UT), United States of America (US-SLC-GSL) (Data Center)
 managed by Aligned Energy located in West Jordan, Utah, United States of America
- Clarksville (TN), United States of America (US-CKV-SPC) (Data Center) located in Clarksville, Tennessee, United States of America
- The Dalles (2) (OR), United States of America (US-DLS-TLK) (Data Center) located in The Dalles, Oregon, United States of America
- Lenoir (NC), United States of America (US-MRN-LNR) (Data Center) located in Lenoir, North Carolina, United States of America
- Las Vegas (NV), United States of America (US-LAS-SDB) (Data Center) managed by Switch located in Las Vegas, Nevada, United States of America
- Council Bluffs (2) (IA), United States of America (US-CBF-SLN) (Data Center) located in Council Bluffs, Iowa, United States of America
- Council Bluffs (1) (IA), United States of America (US-CBF-CBF) (Data Center) located in Council Bluffs, Iowa, United States of America
- Atlanta (1) (GA), United States of America (US-ATL-IDI) (Data Center) located in Lithia Springs, Georgia, United States of America



- London (2), United Kingdom (GB-LHR-MRB) (Data Center) managed by Digital Realty located in London, United Kingdom of Great Britain and Northern Ireland
- Seoul, South Korea (KR-ICN-PNG) (Data Center) managed by LG U+ located in Seoul, Republic of Korea (South Korea)
- Middenmeer, Noord-Holland, The Netherlands (NL-DHR-AGR) (Data Center) managed by Yondr Netherlands BV located in Middenmeer, Netherlands
- Dublin, Ireland (IE-DUB-PPK) (Data Center) located in Dublin, Ireland
- Jakarta, Indonesia (ID-CGK-BKI) (Data Center) managed by DCI Indonesia / Equinix located in Jakarta, Kawasan Industri MM 2100 Cibitung, Jawa Barat, Indonesia
- Hong Kong, Hong Kong (HK-HKG-TKI) (Data Center) managed by NTT located in Tseung Kwan O Industrial Estate, China
- Frankfurt (2), Hesse, Germany (DE-FRA-KSE) (Data Center) managed by Equinix located in Frankfurt, Germany
- Quilicura, Santiago, Chile (CL-SCL-QCA) (Data Center) located in Santiago,
 Quilicura Región Metropolitana, Chile
- Sydney (2), NSW, Australia (AU-SYD-HTW) (Data Center) managed by AirTrunk located in Huntingwood, New South Wales, Australia
- Delhi (2), India (IN-DEL-TYV) (Data Center) managed by Yotta located in Delhi, India
- Fredericia, Denmark (DK-BLL-FRD) (Data Center) located in Fredericia, Denmark
- Widows Creek (AL), United States of America (US-UOS-WCK) (Data Center) located in Widows Creek, Alabama, United States of America
- Warsaw (3), Poland (PL-WAW-VTL) (Data Center) managed by Vantage located in Warsaw, Poland
- Warsaw (2), Poland (PL-WAW-GWK) (Data Center) managed by Atman located in Warsaw, Poland
- Warsaw (1), Poland (PL-WAW-JER) (Data Center) managed by Equinix located in Warsaw, Poland
- Turin (3), Italy (IT-TRN-VPV) (Data Center) managed by Telecom Italia located in Turin, Italy
- Turin (2), Italy (IT-TRN-VND) (Data Center) managed by Telecom Italia located in Turin, Italy
- Turin (1), Italy (IT-TRN-SCB) (Data Center) managed by Telecom Italia located in Turin, Italy
- Tel Aviv (2), Israel (IL-TLV-TVV) (Data Center) managed by Edgeconnex located in Tel Aviv, Israel
- Tel Aviv (1), Israel (IL-TLV-TAH) (Data Center) managed by SDS located in Tel Aviv, Israel
- Toronto, Ontario, Canada (CA-TOR-LKS) (Data Center) managed by Compass Datacenters located in Toronto, Canada
- Sydney (4), NSW, Australia (AU-SYD-ERK) (Data Center) managed by Digital Realty located in Sydney, Australia



- Sydney (3), NSW, Australia (AU-SYD-TPR) (Data Center) managed by Digital Realty located in Sydney, Australia
- Seoul (3), South Korea (KR-ICN-YON) (Data Center) managed by KT located in Seoul, Republic of Korea (South Korea)
- Seoul (2), South Korea (KR-ICN-GMH) (Data Center) managed by SKBroadband located in Seoul, Republic of Korea (South Korea)
- Salt Lake City (3) (UT), United States of America (US-SLC-PWB) (Data Center) managed by Aligned Energy located in Salt Lake City, Utah, United States of America
- Salt Lake City (2) (UT), United States of America (US-SLC-PXP) (Data Center) managed by Databank located in Salt Lake City, Utah, United States of America
- Reno (NV), United States of America (US-RNO-STY) (Data Center) located in Reno, Nevada, United States of America
- Paris (3), France (FR-LBG-FRN) (Data Center) managed by Digital Realty located in Paris, France
- Paris (2), France (FR-LBG-RPT) (Data Center) managed by Global Switch located in Paris, France
- Paris (1), France (FR-LBG-MCS) (Data Center) managed by DATA4 located in Paris,
 France
- Papillion (NE), United States of America (US-CBF-SRP) (Data Center) located in Papillion, Nebraska, United States of America
- Delhi, India (IN-DEL-NOI) (Data Center) managed by SiFy located in Delhi, India
- New Albany (OH), United States of America (US-CMH-NBY) (Data Center) located in New Albany, Ohio, United States of America
- Mumbai (4), India (IN-BOM-MHE) (Data Center) managed by Netmagic located in Mumbai, India
- Mumbai (3), India (IN-BOM-RBR) (Data Center) located in Mumbai, India
- Mumbai (2), India (IN-BOM-KWA) (Data Center) managed by Bridge Data Centres located in Mumbai, India
- Milan (3), Italy (IT-MIL-TCN) (Data Center) managed by Telecom Italia located in Milan, Italy
- Milan (2), Italy (IT-MIL-VSS) (Data Center) managed by TIM located in Milan, Italy
- Milan (1), Italy (IT-MIL-VTO) (Data Center) managed by TIM located in Milan, Italy
- Melbourne, Victoria, Australia (AU-MEL-TMA) (Data Center) managed by Netmagic located in Melbourne, Australia
- Madrid (3), Spain (ES-MAD-ALH) (Data Center) managed by Telefonica located in Madrid, Spain
- Madrid (2), Spain (ES-MAD-YEC) (Data Center) managed by Global Switch located in Madrid, Spain
- Madrid (1), Spain (ES-MAD-LDA) (Data Center) managed by DATA4 located in Madrid, Spain



- Loyang, Singapore (SG-SIN-LOY) (Data Center) managed by AirTrunk located in Loyang, Singapore
- Los Angeles (CA) (3), United States of America (US-LAX-GND) (Data Center) managed by SFR located in Los Angeles, California, United States of America
- Los Angeles (CA) (2), United States of America (US-LAX-TCE) (Data Center)
 managed by Equinix located in Los Angeles, California, United States of America
- London (6), United Kingdom (GB-LHR-STK) (Data Center) managed by Virtus located in London, United Kingdom of Great Britain and Northern Ireland
- London (5), United Kingdom (GB-LHR-SRL) (Data Center) managed by CyrusOne located in London, United Kingdom of Great Britain and Northern Ireland
- London (4), United Kingdom (GB-LHR-BNY) (Data Center) managed by Equinix located in London, United Kingdom of Great Britain and Northern Ireland
- London (3), United Kingdom (GB-LHR-MRD) (Data Center) managed by Ark located in London, United Kingdom of Great Britain and Northern Ireland
- Lok Yang Way, Singapore (SG-SIN-LYW) (Data Center) located in Lok Yang Way, Singapore
- Koto-ku (3), Tokyo, Japan (JP-NRT- IZA) (Data Center) managed by Equinix located in Tokyo, Japan
- Koto-ku (2), Tokyo, Japan (JP-NRT-CBA) (Data Center) managed by AT Tokyo located in Tokyo, Japan
- Jakarta (2), Indonesia (ID-CGK-KAR) (Data Center) managed by DCI Indonesia / Equinix located in Jakarta, Indonesia
- Hong Kong (3), Hong Kong (HK-HKG-WKG) (Data Center) managed by OneAsia located in Hong Kong, China
- Hong Kong (2), Hong Kong (HK-HKG-SMR) (Data Center) managed by PCCW located in Hong Kong, China
- Henderson (NV), United States of America (US-LAS-HEN) (Data Center) located in Henderson, Nevada, United States of America
- Frankfurt (9), Hesse, Germany (DE-FRA-HNU) (Data Center) managed by Nixdorf DC located in Frankfurt, Germany
- Frankfurt (8), Hesse, Germany (DE-FRA-GWN) (Data Center) managed by Iron Mountain located in Frankfurt, Germany
- Frankfurt (7), Hesse, Germany (DE-FRA-HTM) (Data Center) managed by NTT located in Frankfurt, Germany
- Frankfurt (6), Hesse, Germany (DE-FRA-BTN) (Data Center) managed by Etix Everywhere / Main DC located in Frankfurt, Germany
- Frankfurt (5), Hesse, Germany (DE-FRA-WHM) (Data Center) managed by CyrusOne located in Frankfurt, Germany
- Frankfurt (4), Hesse, Germany (DE-FRA-WFS) (Data Center) managed by Digital Realty located in Frankfurt, Germany
- Frankfurt (3), Hesse, Germany (DE-FRA-MLE) (Data Center) managed by Equinix located in Frankfurt, Germany



- Doha (2), Qatar (QA-DIA-WKA) (Data Center) managed by Quantum Switch located in Doha, Qatar
- Doha (1), Qatar (QA-DIA-DHA) (Data Center) managed by Ooredoo located in Doha, Qatar
- Columbus (OH), United States of America (US-CMH-WTG) (Data Center) managed by Cologix located in Columbus, Ohio, United States of America
- Berlin (3), Germany (DE-BER-UFE) (Data Center) managed by NTT located in Berlin, Germany
- Atlanta (2) (GA), United States of America (MET) (Data Center) managed by QTS located in Atlanta, Georgia, United States of America
- Zurich, (3) Switzerland (CH-ZRH-NRH) (Data Center) located in Zurich, Switzerland
- Tel Aviv (3), Israel (IL-TLV-ABI) (Data Center) managed by Serverfarm located in Tel Aviv, Israel
- Johannesburg (3), South Africa (ZA-JNB-JOH) (Data Center) managed by NTT located in Johannesburg, South Africa
- Johannesburg (2), South Africa (ZA-JNB-JHB) (Data Center) managed by Teraco located in Johannesburg, South Africa
- Johannesburg (1), South Africa (ZA-JNB-JHA) (Data Center) managed by Teraco located in Johannesburg, South Africa
- Dammam (1), Saudi Arabia (SA-DMM-UQB) (Data Center) located in Dammam, Saudi Arabia
- Paris (7), France (FR-BVA-PNX) (Data Center) located in Paris, France
- Paris (6), France (FR-VIY-PNM) (Data Center) located in Paris, France
- Paris (5), France (FR-VIY-PGT) (Data Center) located in Paris, France
- Paris (4), France (FR-BVA-PGS) (Data Center) located in Paris, France
- Berlin (2), Germany (DE-BER-MTL) (Data Center) managed by Vantage located in Berlin, Germany
- Berlin (1), Germany (DE-BER-LUD) (Data Center) managed by Vantage located in Berlin, Germany
- Phoenix (AZ), United States of America (US-PHX-VBN) (Data Center) located in Phoenix, Arizona, United States of America
- Montreal (1), Quebec, Canada (CA-YUL-QBE) (Data Center) located in Montreal, Canada
- Midlothian (TX), United States of America (US-DFW-MDN) (Data Center) located in Midlothian, Texas, United States of America
- Lancaster (OH), United States of America (US-CMH-LCT) (Data Center) located in Lancaster, Ohio, United States of America
- Columbus (1) (OH), United States of America (US-CMH-CLB) (Data Center) located in Columbus, Ohio, United States of America
- Osaka (2), Japan (JP-KIX-STA) (Data Center) located in Osaka, Japan
- Melbourne (3), Victoria, Australia (AU-MEL-WMB) (Data Center) located in Melbourne, Australia



- Melbourne (1), Victoria, Australia (AU-MEL-HVY) (Data Center) located in Melbourne, Australia
- Jakarta (3), Indonesia (ID-CGK-RYL) (Data Center) located in Jakarta, Indonesia
- Inzai City, Chiba prefecture, Japan (JP-NRT-INZ) (Data Center) located in Inzai, Japan
- Doha (4), Qatar (QA-DIA-MIE) (Data Center) located in Doha, Qatar
- Delhi (3), India (IN-DEL-VSQ) (Data Center) located in Delhi, India
- Vinhedo, Brazil (BR-GRU-VHO) (Data Center) managed by Ascenty located in Vinhedo, Brazil
- Quilicura, (3) Santiago, Chile (CL-SCL-GLD) (Data Center) located in Santiago, Chile
- Quilicura, (2) Santiago, Chile (CL-SCL-CLA) (Data Center) located in Santiago, Chile
- Santana de Parnaíba, Brazil (BR-GRU-LKR) (Data Center) located in Santana De Parnaíba, Brazil

The certification is valid for a period of two years assuming the following occurs. If any of these criteria are not met, HITRUST will perform an investigation to determine ongoing validity of the certification and reserves the right to revoke the Organization's certification.

- Annual progress is being made on areas identified in the Corrective Action Plan(s) (CAPs),
- No data security breach reportable to a federal or state agency by law or regulation has
 occurred within or affecting the assessed environment,
- No significant changes in the business or security policies, practices, controls, and processes have occurred that might impact its ability to meet the HITRUST Risk-based, 2-year (r2) certification criteria, and
- Timely completion of the HITRUST Interim Assessment for r2 Certification as defined in the HITRUST Assurance Program Requirements.

HITRUST has developed the HITRUST CSF, a certifiable framework that provides organizations with the needed structure, detail and clarity relating to information protection. With input from leading organizations, HITRUST identified a subset of the HITRUST CSF controls that an organization must meet to be HITRUST Risk-based, 2-year (r2) Certified. For certain HITRUST CSF controls that were not being met, the Organization developed a CAP that outlined its plans for meeting such controls.

HITRUST performed a quality assurance review to ensure that the control maturity scores were consistent with the results of testing performed by the Authorized External Assessor. Users of this letter can refer to the document Leveraging HITRUST Assessment Reports: A Guide for New Users for questions on interpreting this letter and can contact HITRUST customer support at support@hitrustalliance.net. Users of this letter are assumed to be familiar with and



understand the services provided by the organization listed above, and what specific services are being used by the user organization.

A full HITRUST Validated Assessment Report has also been issued by HITRUST which can also be requested from the organization listed above directly. Additional information on the HITRUST Assurance Program can be found at the HITRUST website at https://hitrustalliance.net.

HITRUST

Enclosures (2):

- Assessment Context
- · Scope of Systems in the Assessment



Scope of the Assessment

Company Background

Google Cloud Platform is a suite of products & services that includes application hosting, cloud computing, database services and more. Workspace is from Google Cloud and is a set of intelligent apps including Gmail, Docs, Drive and Calendar to connect the people in your company, no matter where in the world they are.

In-scope Platforms

The following tables describe the platforms that were included in the scope of this assessment.

Google Cloud Platfe	<u>orm</u>
Description	Google Cloud Platform is Google's cloud computing solution that's offered to end-users and organizations for remote, on-demand cloud computing. The Google Cloud Platform allows users to sign-up from their web-browser and establish private clouds, on which they can deploy their technology stack. The Google Cloud Platform product consists of many services that collectively allow the end user to purchase, deploy, and manage their information technology. The Google system boundary is limited to production systems and production networks, which are protected via a centralized bastion host platform. In-scope information systems cannot be accessed without using an Google-owned device to establish a VPN connection using multi-factor authentication. Additionally, all users must be explicitly and uniquely granted access to all information systems and resources.



Google Cloud Platform

Application(s) / Services

Access Approval, Access Context Manager, Access Transparency, Agent Assist, Al Platform Data Labeling, Al Platform Neural Architecture Search (NAS), Al Platform Training and Prediction, AlloyDB, Anthos Config Management, Anthos Identity Service, Anthos Service Mesh, Anti-Money Laundering AI, API Gateway, Apigee, App Engine, Artifact Registry, Assured Workloads, AutoML Natural Language, AutoML Tables, AutoML Translation, AutoML Video, AutoML Vision, Batch, BeyondCorp Enterprise, BigQuery, BigQuery Data Transfer Service, Binary Authorization, CCAI Platform, Certificate Authority Service, Chronicle SIEM, Cloud Asset Inventory, Cloud Bigtable, Cloud Billing, Cloud Build, Cloud CDN, Cloud Composer, Cloud Console, Cloud Console App, Cloud Data Fusion, Cloud Debugger, Cloud Deployment Manager, Cloud DNS, Cloud Endpoints, Cloud External Key Manager (Cloud EKM), Cloud Filestore, Cloud Firewall, Cloud Functions, Cloud Functions for Firebase, Cloud Healthcare, Cloud HSM, Cloud IDS (Cloud Intrusion Detection System), Cloud Interconnect, Cloud Key Management Service, Cloud Life Sciences (formerly Google Genomics), Cloud Load Balancing, Cloud Logging, Cloud Monitoring, Cloud NAT (Network Address Translation), Cloud Natural Language API, Cloud Profiler, Cloud Router, Cloud Run, Cloud Run for Anthos, Cloud Scheduler, Cloud Shell, Cloud Source Repositories, Cloud Spanner, Cloud Speaker ID, Cloud SQL, Cloud Storage, Cloud Storage for Firebase, Cloud Tasks, Cloud Trace, Cloud Translation, Cloud Vision, Cloud VPN, Cloud Workstations, Compute Engine, Connect, Contact Center Al (CCAI), Contact Center Al Insights, Container Registry, Data Catalog, Database Migration Service, Dataflow, Dataform, Dataplex, Dataproc, Dataproc Metastore, Datastore, Datastream, Dialogflow, Discovery Solutions, Document AI, Document AI Warehouse, Eventarc, Firebase Authentication, Firebase Test Lab, Firestore, Game Servers, GCP Marketplace, Generative AI on Vertex AI, Generative AI Support on Vertex AI, Google Cloud Armor, Google Cloud Deploy, Google Cloud Identity-Aware Proxy, Google Cloud SDK, Google Cloud Threat Intelligence for Chronicle, Google Distributed Cloud Edge (GDCE), Google Earth Engine, Google Kubernetes Engine, Healthcare Data Engine (HDE), Hub, Identity & Access Management (IAM), Identity Platform, IoT Core, Key Access Justifications (KAJ), Looker Studio, Managed Service for Microsoft Active Directory (AD), Media CDN, Memorystore, Migrate for Compute Engine, Migration Center, Network Connectivity Center, Network Intelligence Center, Network Service Tiers, Persistent Disk, Pub/Sub, reCAPTCHA Enterprise, Recommendations AI, Recommenders, Resource Manager API, Retail Search, Risk Manager, Secret Manager, Security Command Center, Sensitive Data Protection, Service Directory, Service Infrastructure, Spectrum Access System, Speech-to-Text, Speech-to-Text On-Prem, Storage Transfer Service, Tables, Talent Solution, Text-to-Speech, Traffic Director, Transcoder API, Vertex AI Conversation, Vertex AI Search, Vertext AI Platform, Video Intelligence API, Virtual Private Cloud, VirusTotal, VPC Service Controls, Web Risk API, Workflows, Workload Manager.



Google Cloud Platform		
Database Type(s)	Data Clusters	
Operating System(s)	Linux	
Residing Facility	All Facilities (See In-scope Facilities section)	
Exclusion(s) from	None	
Scope		

Google Workspace		
Description	Google Workspace, formerly and colloquially G-Suite, is a collection of productivity and collaboration tools like word processing, calendars, and virtual meetings. The Google Workspace tools are offered under a Software as a Service (SaaS) model to individuals, small/medium businesses, and large corporations. Because no special software or hardware is required by the user, Google Workspace allows for a multi-collaborative approach for large, medium, or large businesses alike. The Google system boundary is limited to production systems and production networks, which are protected via a centralized bastion host platform. In-scope information systems cannot be accessed without using an Google-owned device to establish a VPN connection using multi-factor authentication. Additionally, all users must be explicitly and uniquely granted access to all information systems and resources.	
Application(s) / Services	Admin Console, Alert Center API, Apps Script, Assignments, Classroom, Cloud Identity, Cloud Search, Currents, Data Transfer API, Directory API, Domain Shared Contacts API, Email Audit API, Enterprise License Manager API, Gmail, Gmail Rest API, Google Calendar, Google Calendar API, Google Chat, Google Contacts, Google Docs, Google Drive, Google Drive Activity API, Google Drive Rest API, Google Forms, Google Groups, Google Jamboard, Google Keep, Google Meet, Google Sheets, Google Sheets API, Google Sites, Google Slides, Google Tasks, Google Tasks API, Google Vault, Google Voice, Google Workspace Migrate, Groups Migration API, Groups Settings API, Mobile Device Management, People API, Reports API, Reseller API, SAML-based SSO API.	
Database Type(s)	Data Clusters	
Operating System(s)	Linux	
Residing Facility	All Facilities (See In-scope Facilities section)	
Exclusion(s) from Scope	None	