

## itopia Cloud Automation Stack: Easy, Secure, Scalable

itopia Cloud Automation Stack (CAS) is a lightweight software solution that transforms GCP into an intuitive platform for on-boarding & orchestrating legacy VDI workloads. We offer “single click” remote desktops/apps, graphic workstations, AD-based disaster recovery and virtual servers from Sandbox to Production.

### Why itopia

#### Effortless and Rapid VDI Migration

itopia CAS enables organizations to easily onboard hundreds of virtual desktops, apps and servers on GCP in minutes. Our management console is so simple and intuitive that even the least technical of admins can deploy and manage the entire IT lifecycle – from onramp, to deployment to IT operations – from a single pane of glass. Once onboarded, itopia CAS automatically spins server resources up or down based on user demand, delivering the industry’s lowest cost, truly elastic VDI.

#### Modern and lightweight alternative to Legacy VDI

Legacy VDI solutions are notoriously expensive and complex to administer. Plus, they were designed for on-premises environments. By simply shoehorning legacy solutions into the cloud, these issues don’t magically disappear. itopia’s lightweight and cloud-native approach enables organizations to overcome the challenges of yesteryear by eliminating unnecessary overhead and costly licensing fees.

#### Business intelligence powered by BigQuery

Migrating to the hyperscale cloud is a no-brainer for enterprises today. However, without clear visibility into resource utilization and user behavior it can be difficult to achieve the ROI on the investment. itopia CAS’ deep integration with Google Cloud BigQuery provides IT administrators with daily insights into user activity, resource utilization, application usage and file activity, giving them the detailed intelligence they need to continually optimize their GCP environments.

#### Unified billing in GCP Marketplace

itopia is fully integrated in GCP Marketplace, simplifying how enterprises and service providers procure CAS. From a one-stop shop, customers can automate the migrations of desktops and IT workloads through single-click deployments, and receive a unified bill for GCP consumption and itopia CAS.



## Solutions:



### Enterprise Workstations: Microsoft Virtual Desktops

itopia CAS automates the deployment and management of Windows-based desktops and apps on GCP. itopia's Desktop as a Service (DaaS) solution is the modern answer to the traditional, expensive virtual desktop infrastructure (VDI) deployments known for being painstakingly slow and expensive (with costs up to \$250K to deploy the first desktop).

### Graphic Workstations: HPC for Multimedia

itopia CAS automates the deployment and management of Linux-based virtual graphics workstations powered by NVIDIA P100 GPU accelerators through Teradici's PCoIP on Google Cloud. Project data is stored on persistent disks in Google Cloud. The persistent workstations can be accessed by designers and engineers through desktop, thin/zero and mobile clients.

### Disaster Recovery for Active Directory: Extend On-Prem AD to GCP

itopia CAS enables IT administrators to launch AD-based VM instances in different GCP regions and zones globally for disaster recovery. CAS automates the entire process of (i) creating, configuring and provisioning a deployment on GCP; (ii) creating a VPN between primary and secondary sites; and, (iii) extending them to the existing domain and promoting the instances to domain controllers in GCP.

### Windows/Linux Servers

itopia automates the provisioning and automation of VM instances on GCP. While Windows-based virtual desktops are an excellent use case, CAS goes much deeper than that when it comes to automating server-only cloud environments on GCP.



## Key Features:

- Automate provisioning for single or multi-region deployments on GCP
- Configure Windows infrastructure
- Schedule VM instance uptime
- Administer Active Directory environments - users, groups and GPOs
- Manage folders and file shares
- Autoscale RD session hosts
- Automate snapshots for backup and DR
- Manage VM instances for compute, disk and firewall
- Create and manage VPNs for cloud or hybrid use cases
- Manage access control lists (ACL) and user permissions
- Implement AD-based DR
- Manage server-only environments on GCP
- Integrate with Google BigQuery for GCP cost insights
- Integrations with Slack, ZenDesk and ConnectWise