

# itopia Cloud Automation Stack: Easy, Secure, Scalable

itopia Cloud Automation Stack (CAS) is the leading IT automation and orchestration solution purpose-built for Google Cloud Platform (GCP) environments. CAS simplifies and reduces costs associated with the complexity of deploying and managing core IT environments for GCP workloads, all through a single control panel. Designed to help organizations deliver “single click” deployments of remote desktops/apps, graphic workstations, AD-based disaster recovery and virtual servers, itopia’s agentless approach automates the day-to-day tasks of IT management and provides continued visibility as workloads grow—all within the customer’s own GCP account.

## Why itopia?

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### Unified IT Management for GCP Workloads

With itopia, organizations are able to manage all aspects of their GCP workload lifecycle through a single control plane—even across multiple regions and GCP projects. All administrative activities related to deployment and management of core IT environments are managed through a central dashboard, saving administrative resources that would otherwise be spent managing each GCP project separately. This unified approach provides visibility into the organization’s entire GCP footprint, helping to control costs associated with deployment sprawl and aiding in compliance with regulatory requirements and corporate data policies.

### Simplified Deployment of Desktops, Apps and Servers in Minutes

itopia enables organizations to easily deploy virtual desktops, apps and servers on GCP in minutes. Spinning up and taking down resources on-demand has become a no-brainer for organizations, enabling them to overcome the challenges typically found in on-premises infrastructure deployments, while planning for peak hours and impacts to capital cost expenditures.

### Agentless Service Model

Unlike other solutions, itopia has no software or agents for customers to manage or update; maintaining security integrity, and minimizing overall customer account usage costs.

### Consumption-based Pricing

itopia’s pure cloud-native design ensures that the utilization of cloud resources is fully elastic. This results in savings up to 60%, as customers only pay for what they use, when they use it. With no fixed pricing regardless of usage, itopia is truly a pay-as-you-go solution.

## 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 Server Automation

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

*"...the Worldwide Infrastructure Automation Market is expected to reach \$65.48 billion by 2022, growing at a CAGR of around 19.9% during the forecast period 2016-2022."*

**Research and Markets.**



To learn more about how itopia works visit [www.itopia.com](http://www.itopia.com)