

Overview of GovPoint Cloud Services FedRAMP IaaS/PaaS

MIS Sciences Corporation – FedRAMP Cloud Service Provider
JAB P-ATO

September 2021



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Abstract

MIS Sciences Corporation (MIS) is a FedRAMP authorized Cloud Service Provider (CSP) for IaaS/PaaS/SaaS with a JAB P-ATO. MIS offers its FedRAMP authorized cloud services under the name of GovPoint Cloud Services (GCS).

All FedRAMP authorized CSP's meet the same standards and requirements for the services they provide. MIS Sciences Corporation, GovPoint Cloud Services, is up to 40% less than AWS or Azure services.

MIS GovPoint Cloud Services offers a broad set of FedRAMP authorized cloud-based products, including dedicated and private clouds, compute, storage, databases, developer tools, management tools, and enterprise applications: on-demand, available in seconds, with pay-as-you-go or fixed pricing.

New services can be provisioned quickly, without the upfront capital expense allowing customers in the public sector to access the building blocks they need to respond rapidly to changing requirements. This whitepaper provides you with an overview of the features and benefits of GovPoint Cloud Services and introduces you to the services that make up the platform. This paper will not detail cloud computing but instead, talk about GovPoint Cloud Services and contrast/compare with other FedRAMP CSPs.

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Introduction

MIS Sciences Corporation (MIS) has been providing hosting and managed services to the Government since 1996. In 2014, (MIS) received a JAB P-ATO for its FedRAMP GovPoint Cloud Services (GCS) to provide highly secure and highly scalable cloud services to Federal agencies and the DoD.

MIS Sciences Corporation is an SBA Certified Woman Owned Small Business and the only small business to have a FedRAMP JAB P-ATO for IaaS. MIS owns and maintains its data facilities and does not rely on any other CSP for primary services.

GCS provides a highly reliable, scalable, low-cost infrastructure and storage platform in the cloud that powers hundreds of Federal and State agencies.

GCS is a cost-effective alternative to AWS and Azure for FedRAMP services for compute, storage, private clouds, custom clouds, and provides the ability to supply your hardware.

You never pay for the unknown with fixed pricing, such as data in/out, API requests, data transfer, VPNs, firewalls, 10 Gig networks, and support. Everything is included in the price, which is up to 40% less for FedRAMP Cloud Services.

MIS has direct partnerships with AWS and Azure to fill gaps in specialized service offerings.

Advantages of GovPoint Cloud Services

FedRAMP JAB P-ATO

MIS Sciences Corporation has a JAB P-ATO authorization for its FedRAMP GovPoint Cloud Services (IaaS/PaaS). The FedRAMP Package Number is F1311222650, and additional information is located at <https://marketplace.fedramp.com>

A JAB P-ATO ensures that MIS Sciences maintains the highest level of FedRAMP compliance for its GovPoint Cloud offering. The JAB Authorization is a concurrency by DoD, DHS, and GSA.

Compute is up to 40% less than AWS and Azure

The same FedRAMP compute with a JAB P-ATO for up to 40% less than AWS and Azure. With either a subscription model or pay as you go, you will save money and make more money with fewer headaches. No extra charges for access, I/O, VPN, support, etc.; everything is included.

VMware hypervisors

GovPoint Cloud Services is based on VMware, allowing for the smooth migration of workloads and reduces system management complexity. All VMware management functions are available from the client management console.

Everything is included

Fixed pricing – Everything is included — no billing surprises. Your monthly cost is exactly what you pay. No extras for I/O, PUTS/GETS, VPN, IP's, bandwidth, or support. With other CSPs, these hidden extras can increase your monthly bill by 15-40%. With GovPoint, you never pay extra.

Contract-friendly pricing

Contracting officers do not like to do contract mods because the funds are depleted. With fixed pricing, this is avoided; the contract amount is what you pay. There are no analyzing monthly usage reports to track remaining funds, no mid-year contract mods, and nothing to worry about. You know your costs, and they never change.

Bring your own equipment

Do you or your customer require specialized hardware, equipment, or appliances within the FedRAMP boundary? We can support your needs to host dedicated equipment within the FedRAMP boundary and help you with compliance.

Custom images and configurations

Do you require a custom configuration or custom image? We can help by creating a FedRAMP compliant custom image/template that can be deployed across all your instances. Custom compute instances can be created with the click of a mouse. You are not tied to a pre-configured configuration.

10 Gig/100 Gig redundant networks

Never pay extra for a 10 Gig network. It is included as part of all compute instances. Storage is 100 Gig connectivity.

Support is included

Standard 24x7x365 support is included with all services at no extra cost. Never pay extra for what should be standard. Other CSPs charge up 10% of the total service cost for support; we include it at no additional cost as part of the 'Everything Included' pricing.

Control Inheritance

Do you have a SaaS or PaaS application that requires FedRAMP authorization, FedRAMP ready, or you need to be in a FedRAMP environment? We can help. All our NIST controls are fully inheritable, which accelerates your authorization and reduces costs.

FedRAMP HIGH/DISA IL4

GovPoint is in the process of upgrading its FedRAMP Moderate and DISA IL2 authorization to FedRAMP HIGA and DISA IL4. The anticipated completion is in Q3 2023.

GovPoint FedRAMP Cloud Services Offerings

GovPoint offers Infrastructure as a Service, Platform as a Service, and Storage as a Service, as well as custom and private clouds and 'bring your own hardware' configurations.

Infrastructure as a Service (IaaS)

The GovPoint Infrastructure as a Service (IaaS) contains the basic building blocks for your cloud IT project. You can access the GovPoint networking features, computers (virtual or on dedicated hardware), and data storage space. IaaS provides you with maximum flexibility and management control over your IT resources.

The GovPoint IaaS service can be used as the foundation and environment for any application that has a requirement to be within a FedRAMP security boundary.

Compute Types

General Purpose Compute (GPC)

With GPC, you have a balance between processors, RAM, and disk. GPC will meet the needs of over 80% of computing requirements and is ideal for most web and database applications. GPC uses a blend of high I/O disks and SSD's. Users can choose between pre-configured and hardened images or customize processors, disk space, and RAM to meet particular needs.

High Demand Compute (HDC)

With HDC, you are assured that your most robust data, transaction, or workload intensive applications will operate flawlessly, regardless of the load. HDC is a high processor and high RAM compute instance coupled with ultra-high-speed flash drives and 10 Gbps network connectivity.

Special Purpose Compute (SPC)

With SPC, you can create your instances from specialty hardware and software and even use your hardware. SPC is used to fill gaps between the standard cloud offerings and dedicated hosting.

High Performance Compute (HPC)

With HPC, instances can be created with one or more dedicated GPU's to meet the most intensive data and complex calculations needs. Multiple HPC instances can be combined to work in parallel to form HPC clusters.

VMware on GovPoint

VMware on GCS is an integrated cloud offering that allows agencies to seamlessly migrate and extend their on-premises VMware vSphere-based environments to the GCS Cloud.

GCS Container Service for Kubernetes

GCS Kubernetes Container Service makes it easy to deploy, manage, and scale containerized applications using Kubernetes in the GCS environment

GCS Container Service

The GCS Container Service is a scalable, high-performance container orchestration service that supports Docker containers allowing you to run and scale containerized applications in the GCS environment. The GCS Container Service eliminates the need for you to install and operate your container orchestration software.

Platform as a Service (PaaS)

Platform as a Service (PaaS) eliminates the need for your organization to manage the underlying infrastructure (usually hardware, databases, and operating systems) and allows you to focus on the deployment and management of your application.

The GovPoint PaaS offers operating systems, databases, incident response, development, and messaging systems.

Platform Offerings:

Relational Database Services (GCS-RDS)

GCS Relational Database Services (GCS-RDS) is a self-service, cloud-based service allowing customers to quickly set up, provision, and maintain databases. Supported databases are MS SQL Server, MongoDB, and MySQL. For greater granularity, security, and FedRAMP compliance, MIS personnel will work with the client in database deployment, maintenance, and security patching. This relieves the client from these tasks and allows them to focus on their business requirements.

Clients/Agencies are welcome to bring their license for any database

product, and MIS will work with the client to install and ensure FedRAMP security compliance for their product.

GCS Incident Response (GCS-IR)

GCS Incident Response (GCS-IR) is a self-service, cloud-based incident response service center that makes it easy for any agency to manage any incident. Once configured by the agency, GCS-IR will manage your incidents, make notifications, and provide all required logs and reports from beginning to end.

GCS eAlert

GCS-eAlert is a cloud-based high-speed and high-volume email and SMS sending service designed to send notifications and transactional messages. It is a reliable, cost-effective service for businesses of all sizes that use email and SMS to keep in contact with their customers—easily managed through a user-friendly web interface.

You can use our SMTP interface or one of the GCS APIs to integrate eAlert directly into your existing applications. You can also integrate the email sending capabilities of GCS eAlert into the software you already use, such as ticketing systems and email clients.

Messaging as a Service Platform

GCS Messaging offers true SMS/MMS messaging for any application need. You can use a web interface or API to send your SMS messages and MMS images.

Bring your own hardware (BYOH)

Often there are times that a client's infrastructure will require specialized equipment or appliances that can only be furnished by the client.

GovPoint Cloud Services permits customer-owned hardware and appliances within the customer's FedRAMP boundary. When customer equipment or appliances are used, a private and logically isolated cloud environment is created. This isolated environment is assigned to the customer only and does not share any other FedRAMP tenants' resources.

The client is responsible for ensuring all equipment complies with FedRAMP guidelines, and the Agency SSO is responsible for issuing an ATO for all hardware and ensuring compliance is maintained.

Private FedRAMP Cloud

If your needs require isolation or dedicated resources, the Private FedRAMP Cloud will meet your needs. With the Private Cloud, you have full control of all resources, including firewalls, networking, compute, and storage. Your Private Cloud is isolated from all other tenants and users and is part of the GovPoint FedRAMP infrastructure.

Desktop Services

GCS Desktops

GCS Desktops is a fully managed, secure cloud desktop service. You can use GCS Desktops to provision either Windows or Linux desktops in just a few minutes and quickly scale to provide thousands of desktops to workers across the globe. GCS Desktops builds off Citrix Desktops and Microsoft Remote Desktop Services. With GCS Desktops, your users get a fast, responsive desktop of their choice that they can access anywhere, anytime, from any supported device.

GovPoint FedRAMP/DISA Infrastructure

The GovPoint Cloud Services infrastructure is designed with security and redundancy in mind. There is no single point of failure; cooling, networks, power, and hardware are redundant. Failure is not an option. Workloads can be shifted between data facilities to prevent any service interruption in the event of any disaster.

GovPoint has two isolated FedRAMP regions, Los Angeles and Las Vegas.

GovPoint Regions are connected through low-latency high-speed links. GovPoint provides you with the flexibility to place instances and store data within multiple geographic regions or regions of other FedRAMP service providers.

GovPoint serves agencies from DoD, Federal, State, and Local Governments by providing FedRAMP authorized infrastructure services from multiple data center facilities. We are continually enhancing our infrastructure to meet client needs and new security requirements.

GovPoint Management Console

Access, provision, and manage your services through the GCS management console, a simple and intuitive user interface. You can add, change, and delete resources and storage, manage security, create tasks, perform snapshots, and provision backups.

GovPoint Security and Compliance

Security

Cloud security is our highest priority. FedRAMP sets the minimum security requirements based on FISMA guidelines and NIST 800-53.

GovPoint has moderate JAB P-ATO and DISA IL-2 and is in the process of obtaining FedRAMP HIGH and DISA IL-4.

GovPoint Cloud Services enables a shared responsibility model. While GovPoint Cloud Services manages the cloud's security, you are responsible for security in the cloud.

When you deploy your SaaS or PaaS applications, you retain control of the security you choose to implement to protect your content, platform, applications, systems, and networks no differently than you would in an on-site data center.

As a GovPoint Cloud Services customer, you will benefit from a data center and network architecture built to meet the FedRAMP, FISMA, and DISA requirements of the most security-sensitive organizations.

MIS Sciences provides you with guidance and expertise through online resources, personnel, and partners. MIS provides you with advisories for current issues, plus you have the opportunity to work with MIS when you encounter security issues.

You get access to hundreds of controls and features to help you to meet your security objectives. MIS provides security-specific tools and features across network security, configuration management, access control, and data encryption.

Finally, GCS environments are continuously audited, with certifications from accreditation bodies across geographies and verticals.

Compliance

GovPoint Cloud Compliance enables you to understand the robust controls in place within GovPoint to maintain security and data protection in the cloud. As systems are built on top of the GovPoint Cloud infrastructure, compliance responsibilities will be shared. By bringing together governance-focused, audit-friendly service features with applicable compliance or audit standards, GovPoint Compliance enables Agencies to build and focus on traditional programs. This helps Agencies to establish and operate in a GovPoint security control environment.

The IaaS infrastructure that GovPoint provides to its customers is designed and managed in alignment with Federal IT, FedRAMP, and DISA security standards and best practices.

About MIS Sciences Corporation

MIS Sciences Corporation (MIS) is an SBA certified Woman Owned Small Business and a GSA IT-70 contractor. Established in 1996, MIS has provided managed services to the public and private sectors and serves as a SUB on many large contracts.

MIS offers Managed Services, Dedicated Hosting, Cloud Services, and FedRAMP cloud services.

In 1994, MIS started the FedRAMP process and, in 2015, was granted a FedRAMP P-ATO at the moderate level for IaaS and PaaS. MIS is the only small business with a FedRAMP IaaS.

MIS does not leverage or inherit any services from any other ISP or CSP. MIS manages its own data facilities in Burbank, CA, Las Vegas, NV, and Manassas, VA. MIS owns all the infrastructures and hardware, allowing MIS to provide specialized and custom environments to its clients.

A list of MIS clients can be available at <https://mis-sciences.com/>

Federal Information:

GSA: GS-35F-0266S

SINs (deprecated): 132-50, 132-51, 132-40

SINs (new): 518210C, 54151ECOM, 54151S, OLM

CAGE: 07LS1

DUNS: 947720520

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