

GEM® One Encryptor Manager

The Window to Enterprise Device Management



Improved visualization via network topology, dashboard and human factors design of overall system allows users to quickly and easily recognize critical device status and decrease reaction time and decision cycles.

Remote encryptor configuration,
monitoring and management

Supports TACLANE® HAPE and EDE Encryptors

Visualization of critical device and network status

Improved situational awareness and operator
efficiency

Intuitive, easy to use

Standards-based

Role Based Access Control (RBAC)

Key Management Wizard

Overview

GEM® One is a robust, easy to use enterprise-level remote encryptor management solution. GEM One enables administrators to visualize and manage a network of dispersed devices - including their health, status and connectivity – from anywhere in the network. This provides enterprise-level situational awareness and enhanced management of the ecosystem and all its moving parts. GEM One is agentless and features a human centered design web-based interface.

Situational Awareness through Visualization

The topology view provided by GEM One enables administrators to quickly and easily see the devices on their network, as well as status, health and connectivity all on one screen, significantly reducing the need to navigate through multiple pages. By simply hovering over the device or the link between devices, users can instantly see critical device information including health indicators, network addresses and associations. The topology view can also be shown in Layer 3 mode to show routing information or Layer 2 mode to show configured VLANs. Clicking on the device or link brings up a preview panel status bar with additional, detailed information. This visualization significantly increases efficiency when configuring connections and helps operators detect and respond to issues immediately.

GEM One Encryptor Manager

Key Features

- Automatic syncing between GEM One instances
- Remote management and real-time status of up to 2000 encryption devices
- Enterprise-level management streamlines workflow
- Plug-in architecture optimizes performance and enables timely management of new product releases
- Visual representation of critical device and connections improves device and network situational awareness
- Progressive display and page design improves operator efficiency, aids in troubleshooting
- Supports up to 150 concurrent, remote users
- Customizable dashboard and widgets contain summary information for quick reference
- Remote multiple device audit log collection and archive for operations management
- Enterprise device license management
- TACLANE Trusted Sensor (TTS) Software Manager simplifies rule compilation, management and deployment
- Automatic device discovery in combination with Generic Discovery Server (GDS)
- Integrates into existing enterprise infrastructures
- Remote authentication via the LDAP or Microsoft® Active Directory® Protocol
- Device Grouping simplifies device display and user access restrictions
- Device Health including Battery and Key Expiration
- Sectera vPer Phone (R5.2+) Management combines multiple device viewing, network parameter configuration, software upgrade initiating, and on/off hook phone status from a central location
- ProtecD® Multi-Platform (KG-204) Encryptor Management includes new Device Pages, Heartbeat Generator, new Help Content, and integration with GEM One Enterprise Features

Key Manager

This feature allows the user to view details and status for every key on their network in one central location. Users can also seamlessly transfer key material to other devices by simply selecting the key material, source and destination information. Key details can be exported to a CSV file for reporting purposes.

Role Based Access Control Enhancements

Administrators can now fine tune access to individual Enterprise Features on a per user basis. Access to discovered devices can also be restricted by creating device groups and granting Read/

Write, Read-only, or No Access permissions to each device group on a per user basis.

User Session Configuration

Admins also have the ability to view and configure user sessions including the global timeout value for all users and the ability to disable timeout altogether. In addition, an admin user can customize individual users' timeout values, which supersede the global timeout value.

Enhanced Reporting

Users can now select reports to generate with over 60 unique parameters. Most tables are exportable into CSV format. Reports are exported in CSV format with the option to zip multiple reports together.

Availability

GEM One Basic is a free version of GEM One that is designed to accommodate users with smaller networks. More information is available on our website.

Easy Upgrade for GEM X Users

GEM One offers the GEM X Porter feature which simplifies the upgrade to GEM One. The wizard like tool extracts GEM X data and stores the data into an XML file. The file is then imported into the new GEM One installation, which automatically restores the data and makes the upgrade quick, easy and efficient.

Technical Specifications

■ PC/WINDOWS CONFIGURATION

- For smaller networks: 2 vCPU, 8GB RAM
- For larger networks: 4 vCPU, 16GB RAM
- Windows® 10 x64, Windows Server 2016, Windows Server 2019
- CD/USB drive to install GEM One Software
- Java 8 Installed
- Monitor with minimum 1280x1024 resolution

■ COTS SOFTWARE INSTALLED BY GEM ONE

- PostgreSQL 14.7
- TomEE 8.0.10

■ MANAGEMENT PROTOCOL

- SNMPv3

■ INTEROPERABILITY WITH ENCRYPTION DEVICES

- Please see our website for information on supported encryption devices and release information for the TACLANE family of encryptors and the Sectera vPer Phone.

■ CLASSIFICATION LEVEL

- Software and documentation are unclassified
- Manage encryptors at all levels up through TS/SCI
- Network workstations are classified at the same level as the network

GEMONE™

GENERAL DYNAMICS

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