Gallagher REST API

Security

The Gallagher Command Centre REST API defines a set of HTTP functions which developers can use to query the Command Centre database.

Why use a REST API?

A REST API is easy to use, easy to test, and provides superior integration performance, allowing a site to quickly and cost effectively integrate third party systems to Command Centre.

A REST API uses HTTP to obtain data from each system. It is independent of the language used by each system, hence it promotes longevity and evolution of both systems.

Overview

Gallagher Command Centre provides:

- REST API View Events & Alarms
- REST API Create Events & Alarms
- REST API Cardholders
- REST API View Status
- REST API Overrides.

The Command Centre Cloud API Gateway can be used to access any of these APIs securely over the internet.

REST API Create Events & Alarms

This API can be used to:

- Generate external alarms and events into Command Centre from third party systems such as; Asset Management, Incident Management and Building Automation.
- Generate alarms, view alarm instructions, provide alarm indications on site plans and generate notifications.
- Run reports to receive a full audit trail of both Gallagher events and those from third party systems.

REST API View Events & Alarms

This API allows a caller to:

- Retrieve historical events and alarms from the Command Centre database.
- Monitor for live events and alarms as they are logged within the Command Centre database.
- Acknowledge, process, and add notes to alarms.
- Retrieve only the events that are relevant via filters

Customers can use this API to:

- Interface with big data analytic engines where Command Centre is one of the data sources contributing to the analytics.
- Interface with billing systems for students traveling on buses.
- Interface with networked print queue management software, to log Cardholders onto a specific printer and retrieve print jobs using a Gallagher credential.
- Send specific alarms to IP phones.
- Send critical alarms to a police dispatch system.

REST API View Status

Customers can use this API to:

- Overlay door status into a camera view on a video system.
- Display live fence voltages on a security dashboard.
- Providing floor zone counts to a BMS application to efficiently monitor power.
- Create, delete, rename, and edit schedules.

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REST API Cardholders

This API allows a caller to:

- Synchronize employee data between the HR system and Command Centre.
- Send cardholder data to a meeting room hire app, when a credential is presented at the meeting room door.
- Synchronize authorized cardholders with a key safe system.
- Synchronize Command Centre with an incident management application.
- Update Command Centre employee location data from a third party system.
- Monitor Command Centre for changes in cardholder data so other systems can be notified of these changes.
- Create and modify visits and visitors in Command Centre.

REST API Overrides

Customers can use this API to:

- Provide ability to open a door from a video management platform.
- Trigger an open door override from an intercom or phone system.
- Escalate a high voltage override of an alarm zone based on triggers from a separate system.
- Trigger a macro to perform any number of overrides within Command Centre.
- Perform a lockdown from a third party emergency system.
- Supports the opening of lockers.
- Create, delete, rename, and edit schedules.

REST API security features

Our REST APIs provide the following security:

- HTTPS / TLS ensures all data is sent securely and encrypted in transmission.
- Server authentication optionally assured with your site's own certificate.

- Client authentication assured with an API key, an optional client certificate, and optional IP filtering.
- Integration's visibility of data is restricted by Division and Operator Privileges.

Command Centre Cloud API Gateway

The Command Centre Cloud API Gateway lets you route REST API requests through Gallagher's cloud services:

- Access APIs securely via the internet without costly firewall or VPN configuration
- Removes the need for inbound connections directly to the server
- Gallagher's cloud services are constantly monitored and up-to-date, increasing the security of your system.

Licensing and version support

Each REST API component is an individually licensed feature of Gallagher Command Centre. The Cloud API Gateway is free to use with any licensed REST API.

Feature	Supported on Command Centre
View Events & Alarms	v7.80 or later
Cardholders	v7.90 or later
View Status	v8.00 or later
Overrides	v8.00 or later
Create Events & Alarms	v8.10 or later
Command Centre Cloud API Gateway	v8.60 or later

Questions?

Contact interfaces@security.gallagher.com for more information. API documentation is available upon request.

security.gallagher.com

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