Gallagher | REST API

Connecting your system to Command Centre

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.

Our REST APIs

Gallagher Command Centre provides an:

- Events and Alarms REST API, and a
- Cardholder REST API.
- Status REST API
- Overrides REST API

Gallagher Command Centre — Tablet, Web app, Mobile device, Connected vehicle, Connected appliance, Enterprise app, Website — API
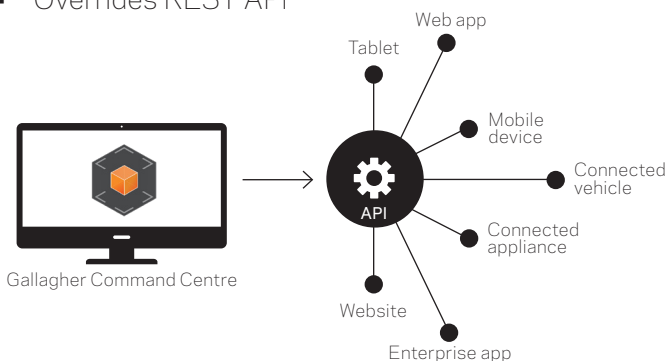
Events and Alarms REST API

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. These filters are Event Group, Event Type, Event Source, Cardholder, Date and Time, and Division

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 travelling 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

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This API supports the following calls:

- Get all unprocessed alarms
- Acknowledge, process, and add notes to alarms
- Long poll for new alarms
- Get historic events using a filter
- Long poll for new events using a filter
- Get event types and item identifiers for use in filters

Cardholder REST API

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 authorised Cardholders with a key safe system
- Synchronize Command Centre with an incident management application

This API supports the majority of Cardholder fields.

Status REST API

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

Overrides REST API

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 seperate system
- Trigger a macro to perform any number of overrides within Command Centre
- Perform a lockdown from a third party emergency system

REST API security features

Our REST APIs provide the following security:

- Privacy assured by HTTPS
- 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 events restricted by Division
- Integration's visibility of Cardholders and their personal data restricted by Division and Operator Privileges
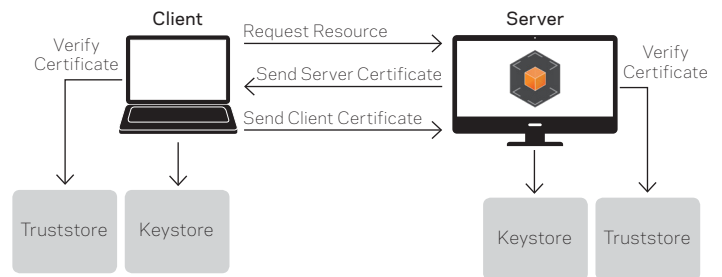
Licensing and version support

The Events and Alarms REST API and Cardholder REST API are individually licensed features of Gallagher Command Centre.

The Events and Alarms REST API is available with Command Centre v7.80 onwards. The Cardholder REST API is available with Command Centre v7.90 onwards. The Status REST API and Overrides REST API is available with Command Centre v8.00.

Questions?

Contact interfaces@security.gallagher.com for more information.

API documentation is available upon request.

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