



Gallagher REST API

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.

Gallagher REST APIs

Gallagher Command Centre provides:

- Events and Alarms REST API
- Cardholder REST API
- Status REST API
- Overrides REST API
- Inbound Events REST API

Inbound Events REST API

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.

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.

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.

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.
- Create, delete, rename, and edit schedules.

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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 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

Overrides REST API

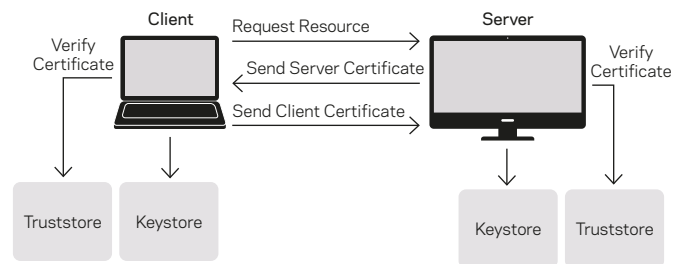
Customers can use this API to:

- 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 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:

- 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 data is restricted by Division and Operator Privileges.



Licensing and version support

Each REST API component is an individually licensed feature of Gallagher Command Centre.

| REST API | Supported on Command Centre |
|-----------------|-----------------------------|
| Events & Alarms | v7.80 or later |
| Cardholder | v7.90 or later |
| Status | v8.00 or later |
| Overrides | v8.00 or later |
| Inbound Events | v8.10 or later |

Questions?

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

GALLAGHER WORLD HEADQUARTERS

Kahikatea Drive, Hamilton 3206
Private Bag 3026, Hamilton 3240
New Zealand

TEL: +64 7 838 9800
EMAIL: security@gallagher.com



REGIONAL OFFICES

New Zealand..... +64 7 838 9800
Americas..... +1 877 560 6308
Asia +852 3468 5175
Australia +61 3 9308 7722
India +91 98 458 92920
Middle East..... +971 4 5665834
South Africa +27 11 974 4740
United Kingdom / Europe..... +44 2476 64 1234

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