Events

An edge client sends event to the topics described in the events chapter. Please also see there on the payload is encoded. This section explains what triggers the sending of events and describes special events.

System events

System events are published to the topic
`c1-home/<business partner ID>/<administration unit ID>/-/-/<sub ID>/telemetry/system/<data point ID>` .
System events are generated in regular intervals of approximately 5 minutes. The following datapoint IDs exist:

Datapoint ID	Value type	Description
restarted	Boolean	Whenever Homegear Cloudconnect is restarted, it publishes a value of `true` to this topic. **After every restart `getDeviceDescription()` should be called for the system and every associated interface and device to check for changes.**
alive	Boolean	`true` when Homegear Cloudconnect is connected to Homegear. `false` when there is currently no connection.
backup-alive	Boolean	Only in high-availability environments. `true` when the backup instance is alive. `false` if it is in fault.
system-time	Integer	The current system time as the number of seconds since January 1st, 1970.
uptime	Double	The number of seconds since the operating system was booted.
load1	Double	The 1 minute load average of the system.
load5	Double	The 5 minute load average of the system.
load15	Double	The 15 minute load average of the system.
total-memory	Double	The total memory in kilobytes.

Datapoint ID	Value type	Description
available-memory	Double	The available memory in kilobytes.

> **Warning**
>
> Always call `getDeviceDescription()` after you receive the `restarted` event. Otherwise your information might be incorrect.

Interface events

Interface events are published to the topic `c1-home/<business partner ID>/<administration unit ID>/-/-/<sub ID>/telemetry/interface/<interface ID>/<data point ID>`. Interface events are generated in regular intervals of approximately 5 minutes. The following datapoint IDs exist:

Datapoint ID	Value type	Description
online	Boolean	`true` when the interface is connected and working, `false` otherwise.

Device events

Device events are published to the topic `c1-home/<business partner ID>/<administration unit ID>/-/-/<sub ID>/telemetry/device/<peer ID>/<channel>/<data point ID>`. These events are device-specific so a list of datapoints cannot be provided here. This means, the implementation of device events should be generic and not device-specific.