



# 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 <code>true</code> to this topic. <b>After every restart <code>getDeviceDescription()</code> should be called for the system and every associated interface and device to check for changes.</b>
alive	Boolean	<code>true</code> when Homegear Cloudconnect is connected to Homegear. <code>false</code> when there is currently no connection.
backup-alive	Boolean	Only in high-availability environments. <code>true</code> when the backup instance is alive. <code>false</code> 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	<code>true</code> when the interface is connected and working, <code>false</code> 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.