

Client to client communication

It is possible to call RPC methods from one client on another client. By default this is blocked, so we must give the client's the permission to do this.

Edge client group

First, both clients need an edge client group with an edge client ACL allowing general access to each other. If there is no such group, it can be created using REST, e. g. for full access:

```
curl --location 'https://core.sensaru.net/api/v1/edge_client_groups' \
--header 'PRIVATE-TOKEN: <your API key>' \
--header 'C1-BUSINESS-PARTNER: <the business partner to create the ACL in>' \
--data '{
  "name": "My edge client group",
  "acl": {"moduleAccess": {"*": {"global": {"event": true, "isAdmin": true, "read": true,
"write": true}}}, "version": 1}
}'
```

This group now must be assigned to the edge client. Currently there is no REST method for this and it must be done manually in database.

cloudconnect.conf on edge client

Add `c1-proxy` to `moduleMethodModuleWhitelist` and the opposite client to `moduleMethodModuleClientWhitelist`. The format of the other client is the following: `c1-proxy-<business partner ID>_<edge client ID>_<sub ID>`. The sub ID typically is `1` and the edge client ID typically is the device's serial number. So for example, to allow access to edge client `DW00000000216` of business partner `deb6fa98-3e2d-428b-bf21-9a94c5b6e001`, enter the following.

```
# Comma separated list of module IDs that are allowed to call RPC functions in Homegear
Cloudconnect.
moduleMethodModuleWhitelist = c1-device-management, c1-proxy

# Comma separated list of module client IDs that are allowed to call RPC functions in Homegear
Cloudconnect.
# moduleMethodModuleClientWhitelist = moduleId-moduleClientId1, moduleId-moduleClientId2,
moduleId-moduleClientId3
moduleMethodModuleClientWhitelist = c1-proxy-deb6fa98-3e2d-428b-
bf21-9a94c5b6e001_DW00000000216_1
```

After the changes, restart the `homegear-cloudconnect` service.