Embedded System Monitor - Middleware

Confidential

Server — Proxy — Client

- Server ready message
- Client request to register
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- Allocation the memory and dispatch the unique ID
- Feedback the Server decision and client ID
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- Wait the Client start to work or be activated
- Send a ACK to the Proxy
- Wait other Clients and packaging all the ACKs
- Check the Clients health status
- Send ACK package to server
- Feedback ACK package to Proxy
- Dispatch ACKs to every Client
- Send the ACK to corresponding Client
- If some Clients timeout
- Check the negative component
- Send negative ACK to Server
- Send restart order to Proxy
- Restart the corresponding component