Config Challenge
02/04/2020
Server Monitoring

User Story:
As an IT management and hosting company it is vital that we monitor and maintain the health of our servers as any downtime will cost us money. Currently we have an internal team to manage our server rooms but it can take them some time to notice if any faults are present.

We want to monitor the status and health of these servers and react quickly if something were to happen

Details:
We have four servers we need to monitor. We have ping requests allowed on these servers, so if any of them do not respond after 2 or 3 minutes then an alarm must be raised and call through in sequence a list of people responsible for the server room with details of which server has gone down.

These people are:
1. IT Technician
2. IT Supervisor
3. IT Manager
4. Managing Director

These should be called through four times, and if no one answers on the final sequence then a full alarm should be raised as per the Loxone default. The staff members can acknowledge the alarm sequence when it calls them by pressing 1,2,3 on their phone in order.

Finally, in the meantime if the server does go offline then a Wake on Lan packet should be sent to try and get it back up and running.

A little extra challenge:
The Managing Director of the company has asked us to think of other ways that we can monitor these server racks, and whether a server not responding to ping is likely to be a shutdown or something else.