

Robot Heartbeat Project

- **dirscan_heartbeat:** This probe config installs the dirscan probe and then configures a profile to send the heartbeat by looking for a non-existent file, this will cause an alarm on every interval. The probe should be good to deploy to any windows or linux servers as is. It is set to create a heartbeat alarm message every 15 minutes, you can change this if you wish.
- **nas_heartbeat:** This will create an Auto Operator profile to process and automatically close the heartbeat Alarm from the Alarm console. It should be deployed to the Primary NAS server. I would suggest that the Auto Operator profile that is created is moved to the top of the profiles. (See NAS_Robot_Heartbeat_AO.png)
- **Sql_response_heartbeat:** This probe config installs the sql_response probe and deploys the Robot_Heartbeat.sql script to the probe folder. It then configures a connection and profile to test the Alarm tables to look for robots that have failed to send a heartbeat within a 30 minute window. This timing can be changed but I would suggest that it needs to be double the time period that the dirscan_heartbeat is set to send. Please note that you will need to modify the connection details and ensure that the connection can reach the UIM NIS DB. The sql_response probe will create alarms similar to "Heartbeat from Server: UIM01 has not been received for more than 30 minutes" and is set to critical (see Example_Heartbeat_Alarm.png). This alarm will not auto clear, it should be investigated and acknowledged once the problem is resolved.
- **Heartbeat+Dashboard.zip:** This is an example HTML5 dashboard that can be imported in the Dashboard designer. It uses the SQL table widget to show you a dynamic list of any robots that stop sending their heartbeat. This really is "Belts & Braces" over the sql_response alarms that are created, but in the scenario that the NAS should completely stop processing Alarms, the Dashboard will still show robots that heartbeats have not been received. (See Example_Heartbeat_Dashboard.png) Please note there is a small display issue with the date/time column that I will investigate.

*** Please note ***

This has been tested in my Lab environment as much as possible. All Testing was done on as UIM v8.2 install, with dirscan v3.12, nas v4.67 & sql_response v1.64, unpredictable results may occur if the attached probe configs are used with older versions of these probes. Please ensure that you test this in your own test environment and ensure that you get the required results before rolling this out to your production installation.