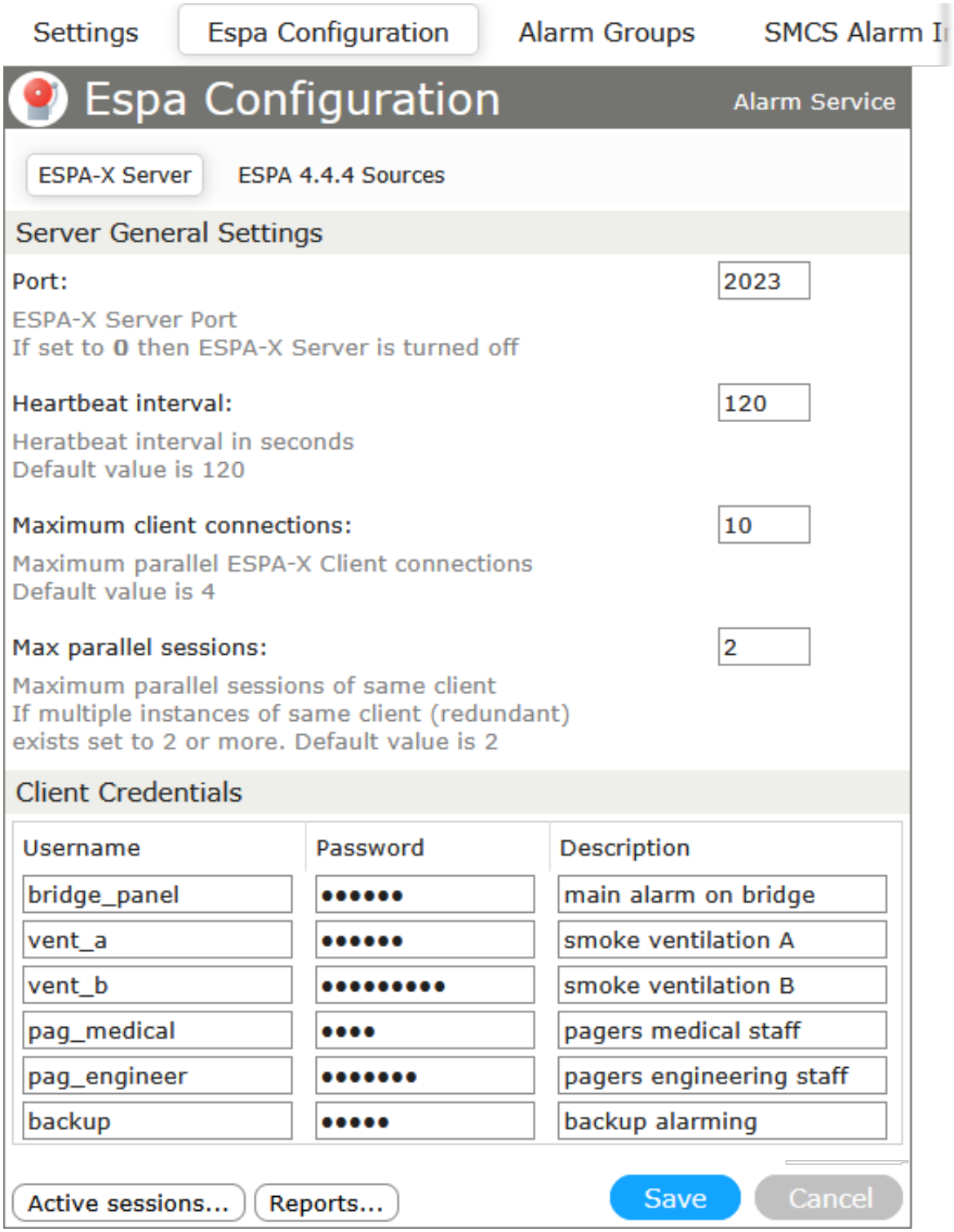
ESPA configuration

Callisto Crusie Alarming supports both ESPA 4.4.4 and ESPA-X interfaces for alarm communication. Choose the interface to use by selecting the Espa Configuration tab and clicking the respective button at the top of the panel.

ESPA-X Server

ESPA-X clients can be integrated with Callisto via an embedded ESPA-X server.

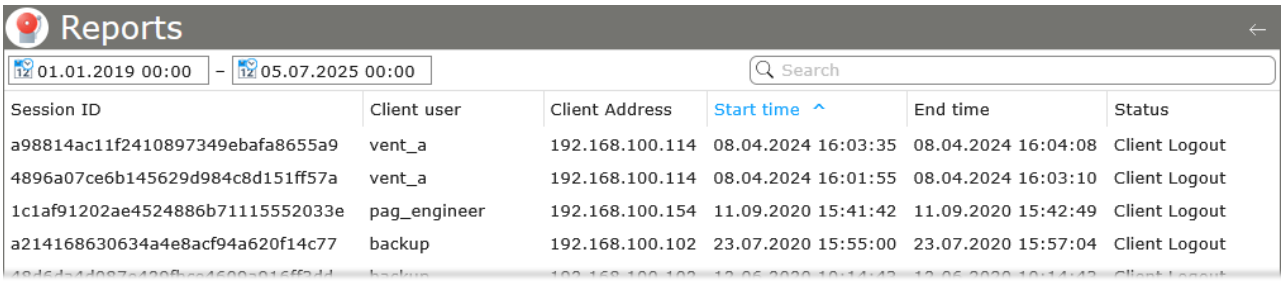
Callisto supports ESPA-X protocol version 1.00 rev 4.



Port	The server port (TCP) on which ESPA-X clients connect to the ESPA-X server. The recommended port is 2023, but can be set to any free port. Setting the port to 0 disables the ESPA-X server.
Heartbeat interval	Set in seconds. If there are no activities from an ESPA-X client during this interval (i.e., no heartbeat ESPA-X messages are received), the respective ESPA-X client session will be terminated. To avoid erroneous termination of a session, the Heartbeat interval set here should be set at least 20% higher than the heartbeat interval configured on the ESPA-X client.

Maximum client connections	The maximum of clients which can be connected to the ESPA-X server simultaneously. The recommend setting is 10.
Max parallel sessions	If multiple instances of the same client exist (e.g., in a redundant system), the maximum of allowed parallel sessions with the same client can be set here.
Client credentials	Enter the username, password and an optional description of all ESPA-X clients that connect to the configured server.

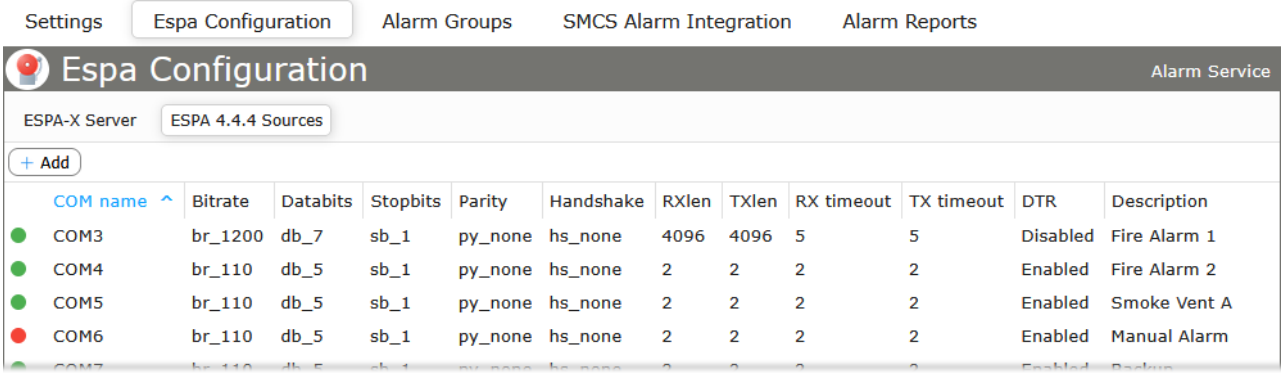
Active ESPA-X sessions can be monitored in real-time by clicking the Active sessions… button. Clicking on the Reports… button will list all past EXPA-X sessions.



More information about ESPA-X can be found in the ESPA-X Server interface manual.

ESPA 4.4.4. Sources

You can configure up to 10 COM ports for ESPA 4.4.4. Sources (Alarm systems on the ship). When an alarm system detects a problem somewhere on board (e.g., a fire sensor detects fire in a cabin), the alarm system immediately informs Callisto Cruise by sending the respective ESPA messages via COM port. Depending on the calling source's address, the received alarm message will be pushed to any related alarm groups (see chapter Alarm Groups).



The dots on the left side of each ESPA source represent the current status of the COM ports. A green dot indicates an open port, a red dot means that the port is either closed or encountering an issue. Hovering over the dot will reveal more information on the current status.