

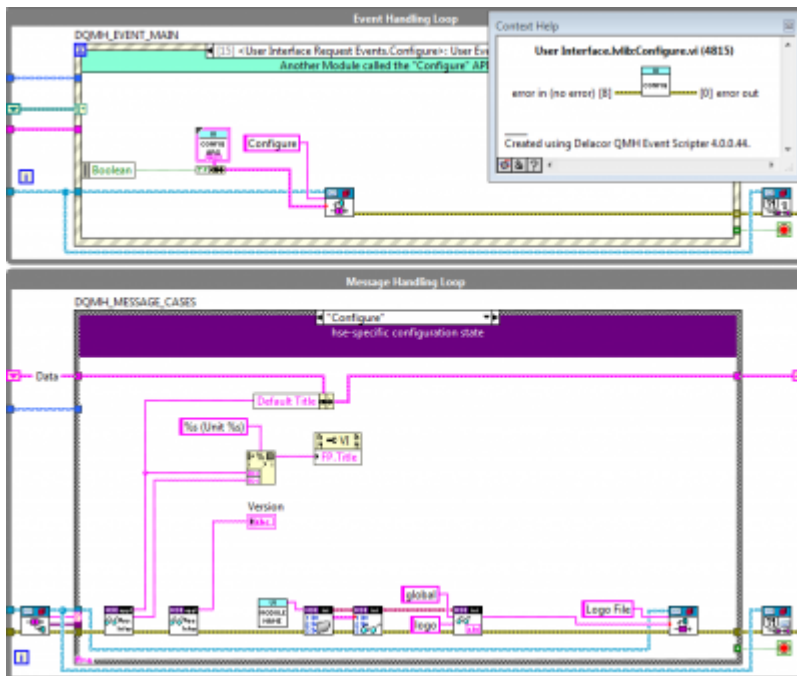
03 Requests

These events are not part of the DQMH default features and have to be implemented manually in every HSE DQMH module.

'Configure' Request

Triggers the auto-configuration of the module.

- Lets the module configure itself
- The connector pane has to be generic (i.e. only error in / error out) so that this VI can be called dynamically
- The default behaviour of the 'configure' MHL case is to read the module's configuration data from the configuration directory (see [Project Structure](#) and [hse-configuration](#) for details).

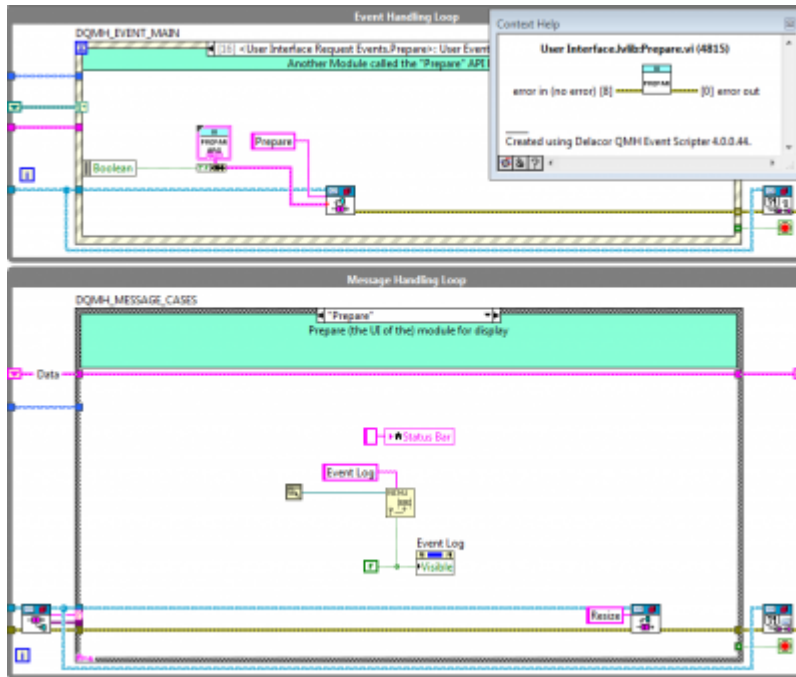


The 'Configure' Request does **not** wait for a reply! Therefore, it should not be used for tasks which might take longer, like configuring hardware, establishing a connection etc. which should be triggered by a separate Request with wait for reply to avoid trying to work with the module before it is ready.

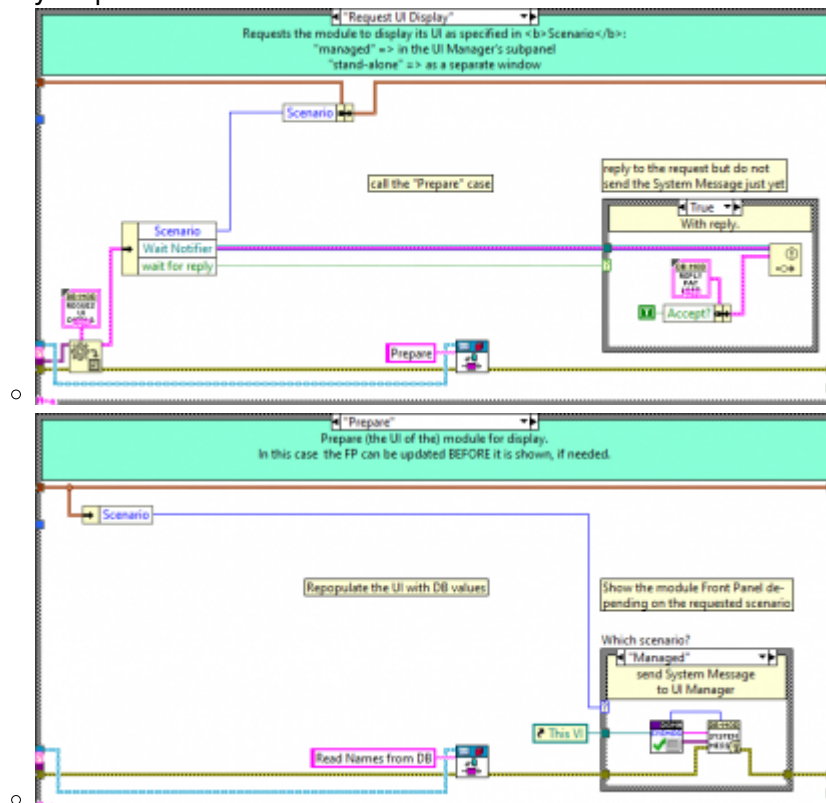
'Prepare' Request

Prepares the module for displaying its front panel.

- meant to be called when the front panel needs specific updating (usually before being shown):



- used in conjunction with our [Windows Application Template](#) when the "Request UI Display" case needs the module to execute code in preparation to showing the front panel (eg reset controls, show a password dialog, etc). The framework calls "Request UI Display", which in turn calls "Prepare", which then tidies the FP and executes the original display request:



HSE UI Requests

These events are not part of the DQMH default features and have to be implemented

manually in every HSE DQMH module.



The UI-related requests are only used in our *UI framework* based applications. You can find more information in our [HSE Application Template](#).

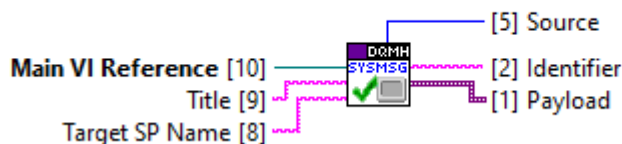
'Request UI Display' Request and Wait for Reply

Requests a module to display its UI as specified in the parameter `Scenario`. The module can either ignore or accept the request.

If the requested scenario is “stand-alone”, the module simply shows its front panel as a new floating window. If the requested scenario is “managed”, the FP is inserted into a subpanel of `PROJECT_Layout-VI.vi` (no new window pops up).

For the “managed” scenario, the module will send a `System Message` broadcast with the `Ready for Display` message, which will be processed by the `UI Manager` module. To easily create the correct broadcast, the VI `hse-dqmh.lvlib:DQMH System Message - Ready for Display.vi` is proposed to be used. More details can be found at the [HSE Windows Application Template](#) project.

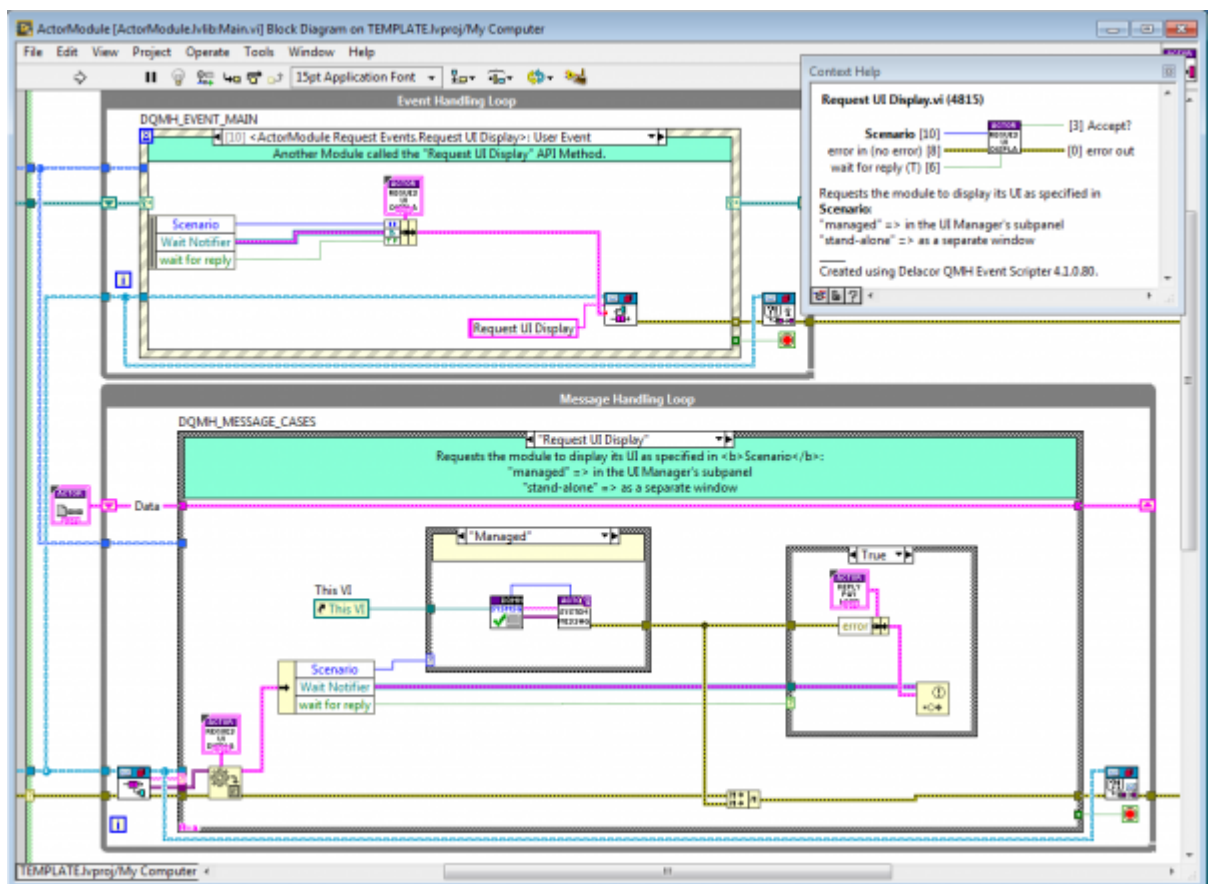
`hse-dqmh.lvlib:DQMH System Message - Ready for Display.vi (4815)`



Parameters

- *Main VI Reference*: VI reference to the VI that wants to be displayed. Usually the “Main.vi”.
- *Title*: The title (e.g. module name) that should be displayed in the app header.
- *Target SP Name*: Name of the subpanel in which the front panel should be inserted. Default is “SP_Content”, the default subpanel from the HSE-App-Template.

Note: The connector pattern shown above is also necessary for DQMH 5.0, which introduces new connector patterns for Request and Wait for Reply events.



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