

# 06 System Monitor Display

What	SystemMonitorDisplay.xml
Required	no
Description	Definitions of optional elements of the system monitor
schema location	<a href="https://fewdocs.deltares.nl/schemas/version1.0/systemMonitorDisplay.xsd">https://fewdocs.deltares.nl/schemas/version1.0/systemMonitorDisplay.xsd</a>

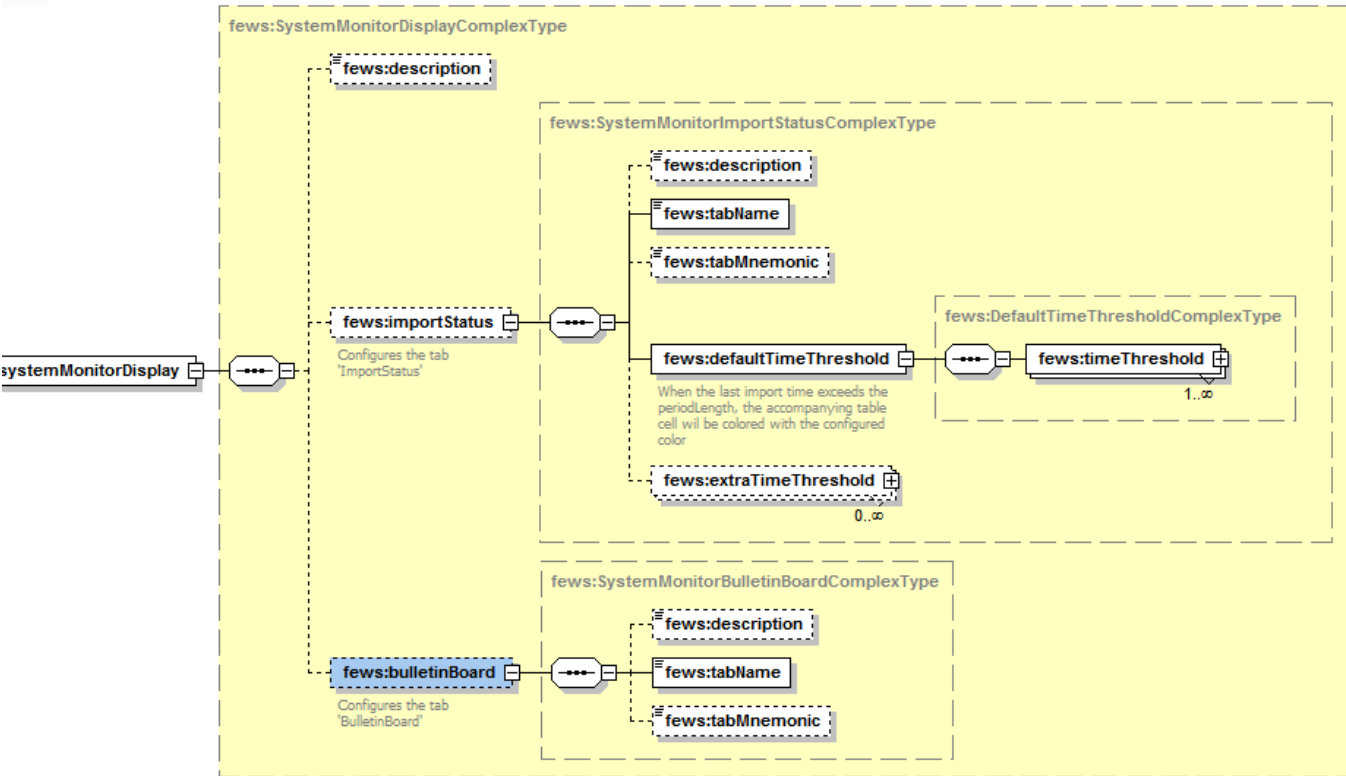
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## Description

Configuration file for the optional elements of the System Monitor display. These are:

- Import Status Tab
- Export Status Tab
- Bulletin board

## Configuration



importStatus

The Import Status Tab shows the last time a data type has been imported and can be colour coded based on the amount of time since the last import. An [example file is attached](#).

description

Optional description

tabName

Required element that defines the name of the tab in the user interface.

tabMnemonic









Optional Mnemonic for the tab.

visibleColumns

Optional element with sub elements to control the visibility of the workflow and suspended columns.

defaultTimeThreshold

Default color coding for all datafeeds. The next element (extraTimeThreshold) can override these settings per datafeed.

	tabName	Import Status
	defaultTimeThreshold	
	 timeThreshold (4)	
		periodLength
	1 	periodLength
		<div><div>= value</div><div>0</div></div>
		<div><div>= unit</div><div>second</div></div>
	2 	periodLength value=6 unit=hour
	3 	periodLength value=12 unit=hour
	4 	periodLength value=24 unit=hour
		color
		green
		yellow
		orange
		red

Each timeThreshold element (see figure above) indicates a minimum age needed to switch to a certain colour.

extraTimeThreshold

This element is similar to the defaultTimeThreshold element. However, in this case the colours are defined separately for each datafeedId.



The datafeedId is defined in the [import module](#). If no datafeedId is configured in the Import module the directory from which the files have been imported is used.

exportStatus

The Export Status Tab shows the last time a data type has been exported and can be colour coded based on the amount of time since the last export.

description

Optional description

tabName

Required element that defines the name of the tab in the user interface.

tabMnemonic

Optional Mnemonic for the tab.

visibleColumns

Optional element with sub elements to control the visibility of the workflow and suspended columns.

defaultTimeThreshold and extraTimeThreshold

These are configured in the same way as the time thresholds for the import status tab above.

## bulletinBoard

The bulletinBoard tab allows users to manually add log messages to the system. In order to use this the following should be added to the configuration file:

```
<bulletinBoard>
  <tabName>Bulletin Board</tabName>
  <tabMnemonic>B</tabMnemonic>
</bulletinBoard>
```

The tabname and Mnemonic can be configured. A [complete example is attached](#).

## Running Forecast

In the running tasks tab of the System monitor the task details can be displayed. To enable this, two config settings are necessary.

1. In the Workflow file the option '<completed>' should be configured after each module instance

```
<activity>
  <runIndependent>true</runIndependent>
  <moduleInstanceId>CanadaMeteo</moduleInstanceId>
</activity>
<completed>
  <moduleInstanceId>CanadaMeteo</moduleInstanceId>
</completed>
```

2. In the module instance descriptors 'updateModuleRunTimesOnCompletion' needs to be enabled.

```
<moduleInstanceDescriptor id="CanadaMeteo">
  <updateModuleRunTimesOnCompletion>true</updateModuleRunTimesOnCompletion>
</moduleInstanceDescriptor>
```