REMEDY RTOS Viewer Plug-in
for IAR

Quickstart Guide

RoweBots Limited

Product Folder Link: Remedy RTOS Viewer

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for IAR

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1. Quickstart Guide

1.1 Overview

The Remedy RTOS Viewer is integrated into the Remedy IDE and provides updated information on operating system objects and system state information at each breakpoint. This includes information on the following objects:

- Threads
- Semaphores
- Mutexes
- Message queues
- Messages
- Condition variables
- Barriers
- Rendezvous states
- Timers and timeouts
- Servers
- Environment variables

Remedy RTOS Viewer is seamlessly integrated into the Remedy IDE, appearing as a plug-in for the various environments as shown below for Eclipse and for IAR.

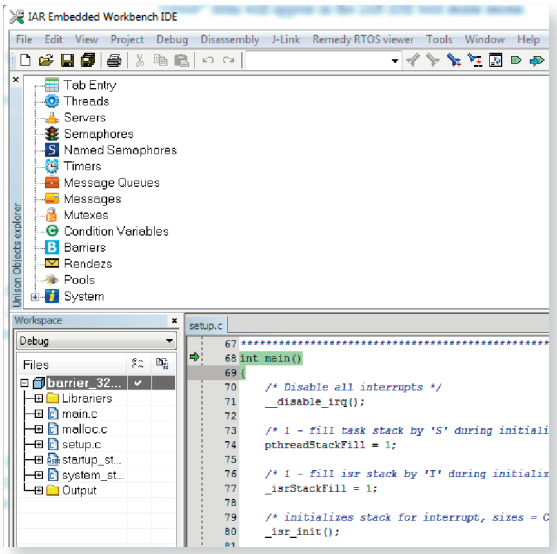

Figure f1 Remedy OS Viewer integrated into IAR IDE

1.2 Installing Plug-in

Plug-in folder ***"RemedyRtosViewer"*** should be placed to IAR installation folder **$TOOLKIT_DIR$\plugins\rtos**

Follow to the next chapter for IDE configuring.

1.3 Configuring IAR

To set up Remedy RTOS Viewer for IAR the following steps must be completed:

- Start IAR IDE and open Unison RTOS demo project.
- Modify demo project options. Enable ***"Remedy RTOS Viewer"*** plug-in, under **Options->Debugger->Plugins**

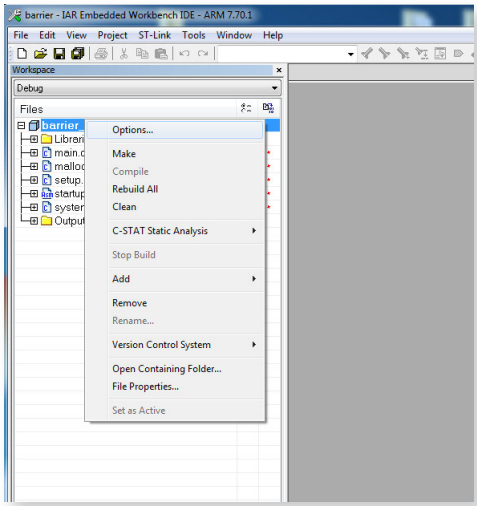

Figure f2 Enable Remedy RTOS Viewer plug-in

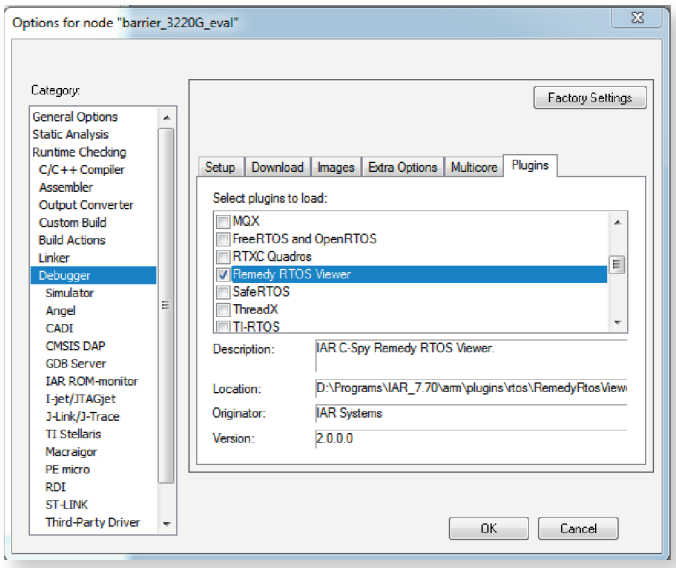

Figure f3 Selecting the Remedy RTOS Viewer as part of the view

1.4 Usage the Remedy RTOS Viewer

• Build demo project and start debug session. If demo project contain Unison RTOS, then RTOS Viewer will start and in IAR IDE tool main menu will appear menu item “Remedy RTOS viewer”.

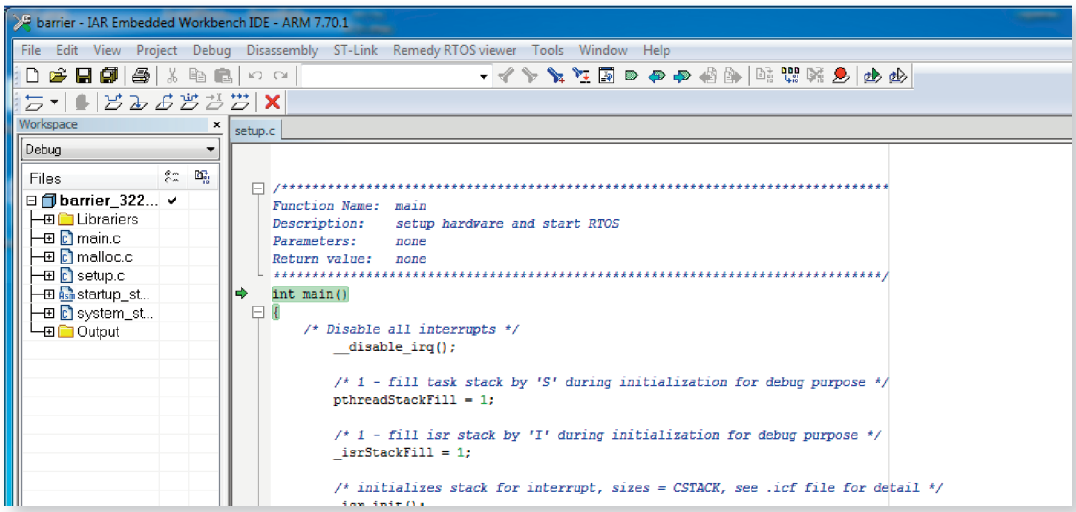

Figure f4 Remedy RTOS Viewer Window

• Remedy RTOS viewer contain next items:

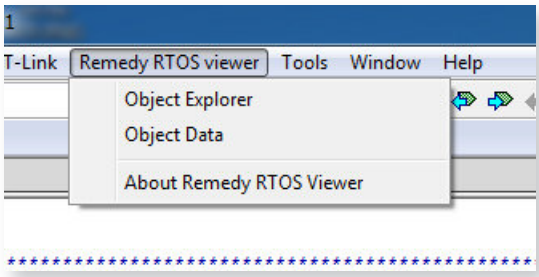

Figure f5 Remedy RTOS Viewer File Contents

• Select “Object Explorer” to display Unison objects

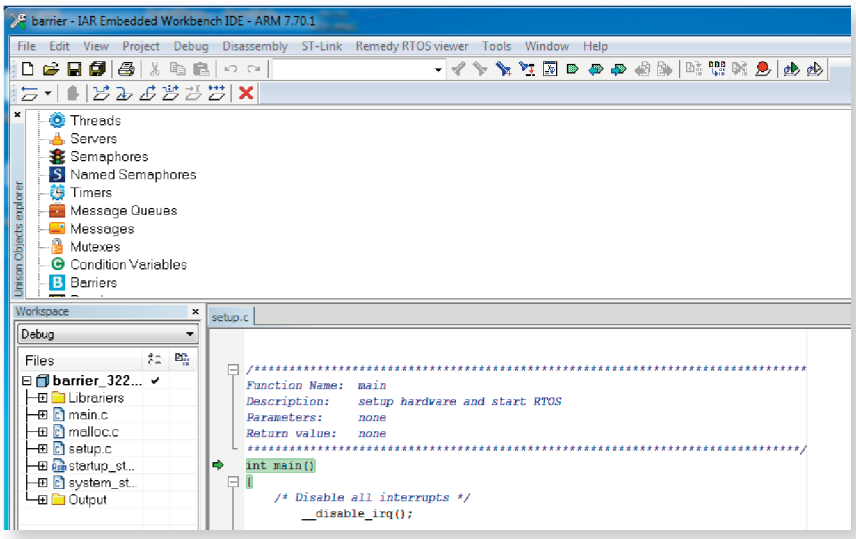

Figure f6 Object Explorer Window

- Select "Object Data" to display Unison objects data

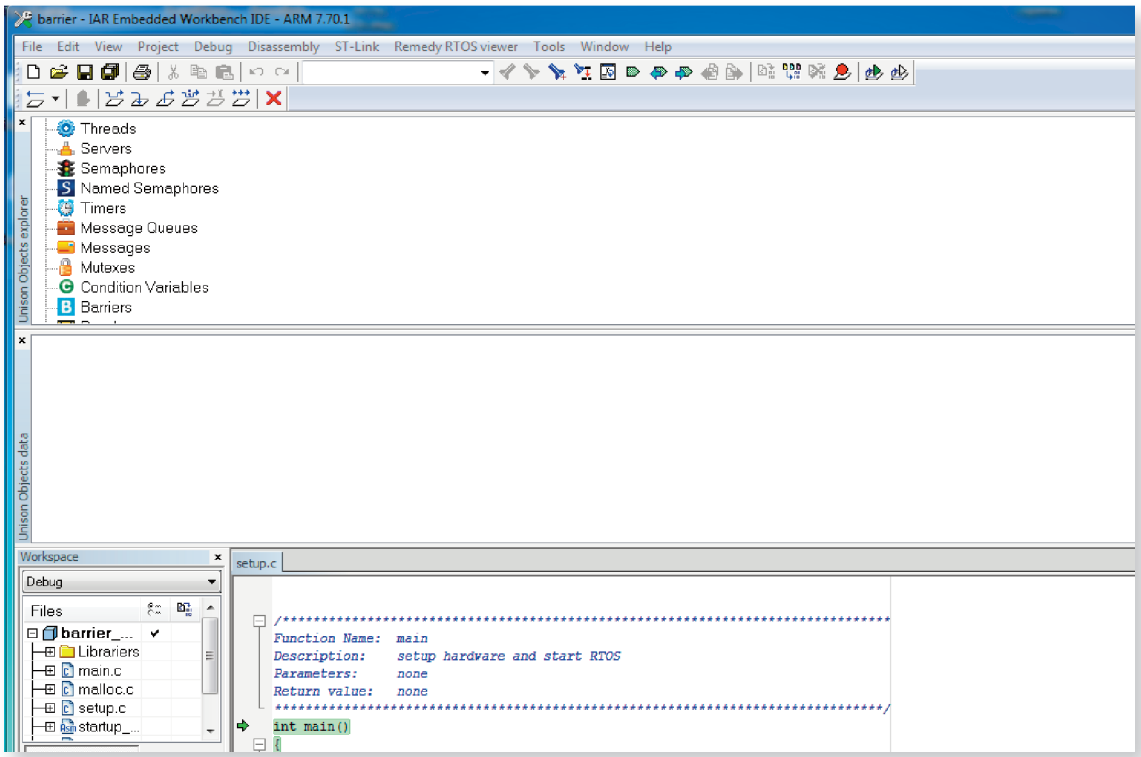

Figure f7 Object Data

- Modify viewer placement if need. We recommending next placemen

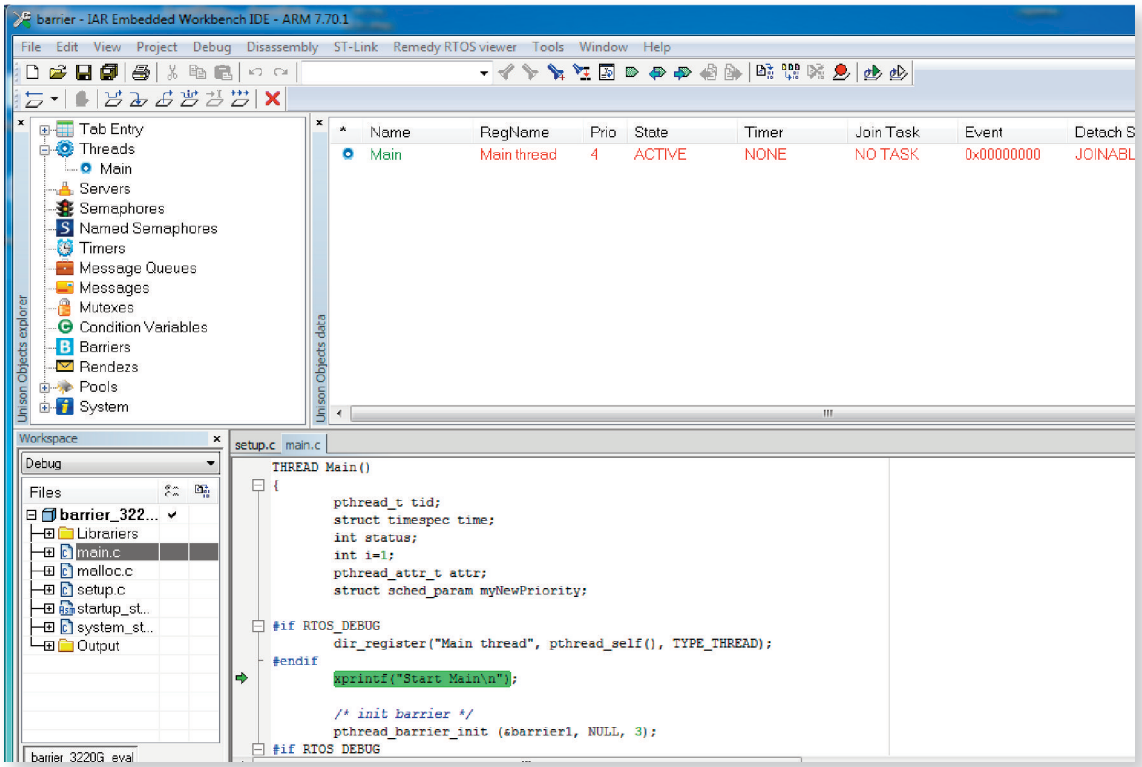

Figure f8 Recomended Remedy Viewer Placement