

Description: This Applications Note describes the BridgeWorX Post-Transaction Task configuration process.

OS Requirement: Win XP/Server 2003/ Server 2008/Vista/Windows 7

General Requirement: BridgeWorX version 9.10 must be installed and a basic knowledge of BridgeWorX is helpful.

Post-Transaction Tasks

Post-Transaction Tasks are actions that can be executed at the completion of a transaction. A transaction will reach one of two states when it completes: “success” or “failure”. Post-Transaction Tasks can be configured to run only when a transaction succeeds, only when it fails, or when it completes regardless of success or failure.

A Post-Transaction Task can perform one or more of the following actions:

- Write to the NT Event Log
- Write to one or more OPC tags
- Send an e-mail
- Execute a SQL query or run a stored procedure on a database

Configuring Post-Transaction Tasks

1. Open the BridgeWorX Configurator from Start → Programs → ICONICS BizViz → BridgeWorX → BridgeWorX Configurator.
2. Expand Transaction Tools → Post-Transaction Tasks in the left hand pane.

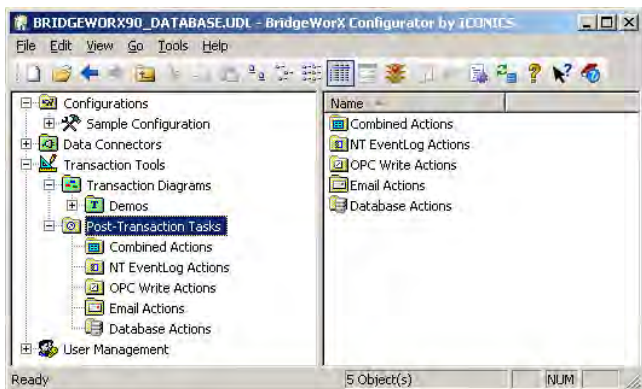
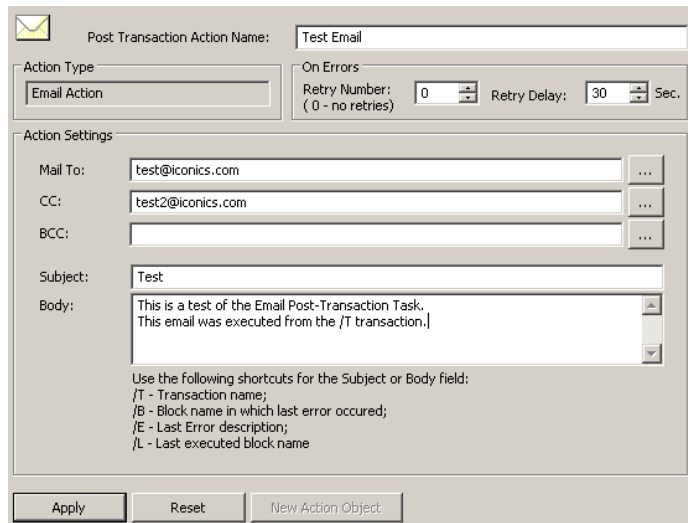


Figure 1 - Post-Transaction Tasks Tree

3. Right click on the Email Actions folder and select New → Task Action.
4. Name the Post-Transaction Action “Test Email” and fill out the rest of the information as desired.



The dialog box is titled 'Post Transaction Action Name'. It has a text field for 'Post Transaction Action Name' containing 'Test Email'. Below this is a section for 'Action Type' with a dropdown menu set to 'Email Action'. To the right, there's a section for 'On Errors' with 'Retry Number' set to 0 and 'Retry Delay' set to 30 seconds. The 'Action Settings' section includes fields for 'Mail To' (test@iconics.com), 'CC' (test2@iconics.com), 'BCC' (empty), and 'Subject' (Test). The 'Body' field contains a test message. At the bottom, there are 'Apply', 'Reset', and 'New Action Object' buttons. A small text box at the bottom right provides shortcuts for the Subject or Body field: /T - Transaction name; /B - Block name in which last error occurred; /E - Last Error description; /L - Last executed block name.

Figure 2 - Setting up the Email Action

5. Click on Apply after filling all the necessary details. A message box may appear saying the SMTP Server has not been set. If this message appears, we will need to set up the SMTP server before we will be able to send our e-mail.

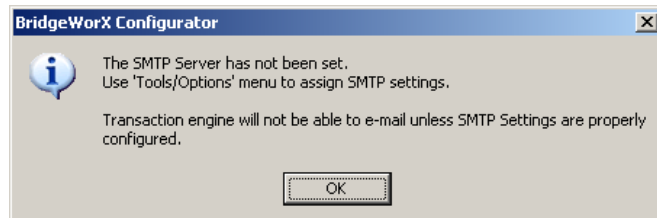


Figure 3 - SMTP Warning

6. Select Tools → Options from the main menu then select the SMTP Settings tab.
7. Fill in the appropriate information for your SMTP server then click OK.
8. Select the transaction that you want to trigger this e-mail action.
9. Click on the Advanced Mode button and then select the Post-Transaction Actions tab.
10. If you want this action to execute regardless of whether the transaction succeeded or failed, select the On Complete option and choose the Test Email transaction. If you want the action to execute only when the transaction succeeded or failed, select the When Transaction succeeds: option and choose the appropriate actions for success or failure (you may leave either of these as “<Not Assigned>”).

Scheduling | **Post-Transaction Actions** | Options | Default Global Aliasing Themes |

Post-Transaction Actions to execute:

☒ On Complete (regardless of the success or fail status):

Test Email

☐ When Transaction succeeds:

<Not Assigned>

When Transaction fails:

<Not Assigned>

Figure 4 - Selecting a Post Transaction Task

Executing Multiple Post-Transaction Tasks

If you would like to execute more than one Post-Transaction Task at a time, configure each Post-Transaction Task as appropriate then create a new Combined Action. Configure your combined action to execute the other tasks you’ve created in the order that you’d like and then choose the appropriate Combined Action on the Post-Transaction Actions tab of your transaction.