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Customizing the TestStand Login & Logout Procedure

By: [Al.B \(https://forums.ni.com/t5/user/viewprofilepage/user-id/111880\)](https://forums.ni.com/t5/user/viewprofilepage/user-id/111880) 04-27-2017 03:37 PM Last Edited By:
[HarshJ \(https://forums.ni.com/t5/user/viewprofilepage/user-id/629468\)](https://forums.ni.com/t5/user/viewprofilepage/user-id/629468) 10-14-2020 06:30 AM

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Products and Environment

To download NI software, including the products shown below, visit [ni.com/downloads](https://www.ni.com/downloads) (<https://www.ni.com/downloads>).

Software

Teststand

Code and Documents

Attachment



LabVIEW Custom Login Dialog - TS2016.zip 89 KB (/ni/attachments/ni/3039/3125/5/LabVIEW%20Custom%20Login%20Dialog%20-%20TS2016.zip)



CVI Custom Login Dialog - TS2016.zip 477 KB (/ni/attachments/ni/3039/3125/6/CVI%20Custom%20Login%20Dialog%20-%20TS2016.zip)



LabVIEW Custom Login Dialog - TS2019.zip 89 KB (/ni/attachments/ni/3039/3125/7/LabVIEW%20Custom%20Login%20Dialog%20-%20TS2019.zip)



CVI Custom Login Dialog - TS2019.zip 477 KB (/ni/attachments/ni/3039/3125/8/CVI%20Custom%20Login%20Dialog%20-%20TS2019.zip)

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Description

Overview

This example includes a customized FrontEndCallbacks which calls into a custom Login Dialog implemented in LabVIEW & LabWindows/CVI. The login & logout procedure in TestStand is implemented in the

LoginLogout sequence of the FrontEndCallbacks sequence file.

Description

TestStand provides built-in functionality to display a user login dialog box at startup or when a new user wants to log in. TestStand provides the capability to [customize this behavior \(http://zone.ni.com/reference/en-XX/help/370052P-01/tsfundamentals/infotopics/callbacks_frontend/\)](http://zone.ni.com/reference/en-XX/help/370052P-01/tsfundamentals/infotopics/callbacks_frontend/) by modifying the LoginLogout sequence in the FrontEndCallbacks.seq sequence file located in the <TestStand>\Components\Callbacks\FrontEnd directory. By default, the FrontEndCallbacks using the Engine.DisplayLoginDialog method to display the login dialog, which cannot be customized. This example provides LabVIEW and LabWindows/CVI implementations of the Login Dialog which you can modify.

Note: When modifying a component which is included with TestStand, follow the instructions in the [Copying Read-Only Files to Modify \(https://zone.ni.com/reference/en-XX/help/370052R-01/tsfundamentals/infotopics/readonly_modify/\)](https://zone.ni.com/reference/en-XX/help/370052R-01/tsfundamentals/infotopics/readonly_modify/) topic in the TestStand help

Hardware and Software Requirements

LabVIEW Custom Login Dialog - TS2019.zip

TestStand 2019 or Compatible

LabVIEW 2020 or Compatible

CVI Custom Login Dialog - TS2019.zip

TestStand 2019 or Compatible

CVI 2015 SP1 or Compatible

LabVIEW Custom Login Dialog - TS2016.zip

TestStand 2016 or Compatible

LabVIEW 2016 or Compatible

CVI Custom Login Dialog - TS2016.zip

TestStand 2016 or Compatible

CVI 2013 SP2 or Compatible

Steps to Implement or Execute Code

1. Navigate to **Configure » Station Options**, click the User Manager tab, and ensure that the **Check User Privileges** option is enabled and the **Automatically Login Windows System User** option is disabled.
2. Copy the FrontEndCallback.seq file and Code Modules folder from the archive to the <TestStand Public>\Components\Callbacks\FrontEnd directory.
3. Restart TestStand. You should see the customized login dialog.
4. To view the code of this example, open the FrontEndCallbacks.seq file in TestStand to observe the LoginLogout sequence that defines the user login behavior. This sequence calls the code modules located within the Code Modules subdirectory to display the dialog and handle the user login process.

Additional Information or References

[TestStand Help: Modifying Front-End Callbacks \(http://zone.ni.com/reference/en-XX/help/370052P-01/tsfundamentals/infotopics/callbacks_frontend/\)](http://zone.ni.com/reference/en-XX/help/370052P-01/tsfundamentals/infotopics/callbacks_frontend/)

Example code from the Example Code Exchange in the NI Community is licensed with the MIT license (<https://www.ni.com/en-us/about-ni/legal/mit-license>).

IG+THE+TESTSTAND+LOGIN+%26AMP%3B+LOGOUT+PROCEDURE&USERNAME=POWEREDBYLITHIUM)

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