



Description: Guide to configure ICONICS security settings for FDDWorX in Workbench-SL

OS Requirement: Windows 8 x64 (Professional or Enterprise Edition), Windows 7 x64 (Professional or Enterprise Edition), Windows Server 2012 x64, Windows Server 2008 R2 x64, Windows Vista x64 SP2 (Business, Ultimate, or Enterprise Edition), Windows Server 2008 x64

General Requirement: GENESIS64 installation. Familiarity with the application note *GENESIS64 Security – Quick Start*, *AssetWorX – Navigator* and *GENESIS64 – FDDWorX Quick Start*.

Introduction

FDDWorX provides Fault Detection and Diagnostics (FDD) real-time analysis to users. A fully developed FDD system may incorporate configurations from the Unified Data Manager, AlarmWorX64 Server, FDDWorX, Commanding, FDDWorX Viewer and ICONICS integrated security.

Please prepare a sample database with FDDWorX configured before you start this application note. You can refer to other FDDWorX or Facility AnalytiX application notes to help you create the FDDWorX configuration as well as the FDDWorX Viewer.

Goal

This application note will walk you through the configuration of ICONICS security settings for both the FDDWorX provider in Workbench-SL as well as FDDWorX Viewer in PortalWorX-SL and GraphWorX64. All the configuration steps will be demonstrated in Workbench-SL but they are applicable for Workbench Classic as well.

Configuring the Security Server

We will create two users with different security permissions to compare their accessibility to the FDDWorX provider in Workbench-SL and FDDWorX Viewer in PortalWorX-SL.

The first user will be a system administrator who has the full control over both FDDWorX and FDDWorX Viewer.

The second user will have limited privileges where he can only view the FDDWorX configurations and FDDWorX Viewer but cannot modify the settings in both of the places.

1. Go to Start → All Programs → ICONICS → Workbench SL.

2. Select Security Server provider, expand the database and right click on the Users. From the popup menu, select “Add User”.

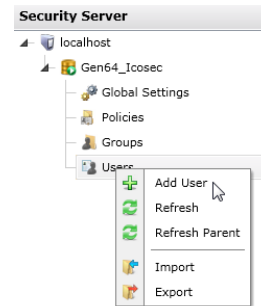


Figure 1 – Add user

3. Give the new user the **Name** “administrator”, leave the security settings as default and click **Apply**.
4. You will be asked to enter **password**. Once acknowledge the change, you will be asked to login immediately.

Note: Your first user should always have privileges to setup security (Usually Administrator) otherwise you will lock yourself out.

5. Create another user called “visitor”.
6. To limit his control over FDDWorX Viewer, expand “FDDWorX Viewer” (or “Facility AnalytiX Viewer”, if GENESIS64 is installed) in the Application Actions pane, uncheck everything underneath it.

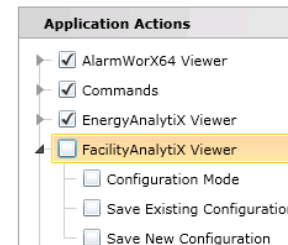


Figure 2 – FDDWorX Viewer Actions

7. To limit his control over FDDWorX provider, scroll down the application action tree, expand “Workbench” and drill down to “FDDWorX”, uncheck everything under it as well.

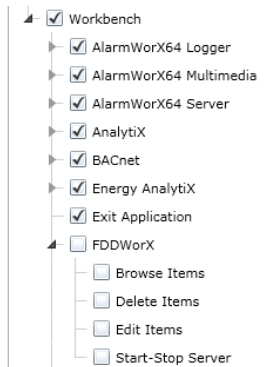


Figure 3 – FDDWorX Viewer Actions

- Click Apply and enter password for the new user.

Testing the Security

Before testing the security configuration, please make sure you have FDDWorX configured in your database and have certain data logged in your database so that you can display them in the FDDWorX Viewer.

- Login the Workbench-SL as administrator, go to the FDDWorX provider, you should be able to see the database and the configurations under the database.
- Click on the start button on the left upper corner to go the PortalWorX-SL
- Insert an FDDWorX Viewer and set up some configurations. You should be able to see data loaded in the viewer.
- Now logout administrator and login as visitor.
- In Workbench-SL, click on FDDWorX provider. The “localhost” should be greyed out.

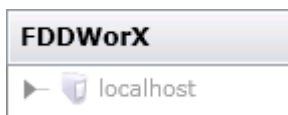


Figure 4 – Insufficient permission to FDDWorX Provider

- In PortalWorX-SL, click on FDDWorX Viewer. Click on next on the first popup dialog box. On the dialog box coming up next, you will see that the dialog box is actually greyed out and it prompts that current login user doesn't have sufficient rights for viewer configuration.

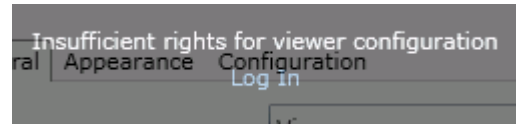


Figure 5 – Insufficient permission to FDDWorX Viewer

- However, if you click OK to proceed, you should still be able to see the data being loaded in the viewer. However, you will no longer have permission to configure the viewer unless you login as the administrator once again.