



FDDWorX Security



APPLICATION NOTE

October 2015

Description: Guide to configuring ICONICS security settings for FDDWorX.

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

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

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 cannot view the FDDWorX configuration and cannot save the FDDWorX Viewer control configuration.

1. Go to Start → All Programs → ICONICS → Workbench Desktop.
2. Select **Security** provider, expand the configuration and right click on the Users. From the popup menu, select **"Add User"**.

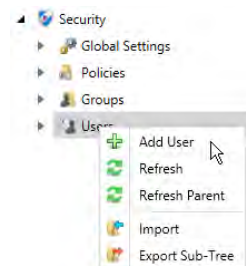


Figure 1 - Add user

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" in the Application Actions pane, uncheck everything underneath it.

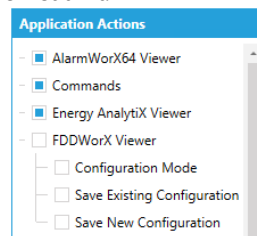


Figure 2 - FDDWorX Viewer actions

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.

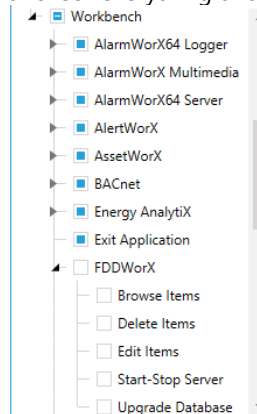


Figure 3 - FDDWorX actions



8. 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.

1. Login the Workbench Desktop as administrator, go to the FDDWorX provider, you should be able to see the database and the configurations under the database.
2. Run GraphWorX64 and insert an FDDWorX Viewer control.
3. Load or set up some configurations. You should be able to see data loaded in the viewer.
4. Now logout administrator and login as visitor.
5. In Workbench Desktop, browse for FDDWorX provider. The configuration should be greyed out.

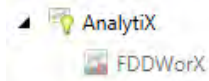


Figure 4 - Insufficient permission for FDDWorX

6. In GraphWorX, in configuration mode try to save the



configuration into database by clicking on **Save** button. Click on Save on the first popup dialog box and it prompts that current login user doesn't have sufficient rights for save a configuration.

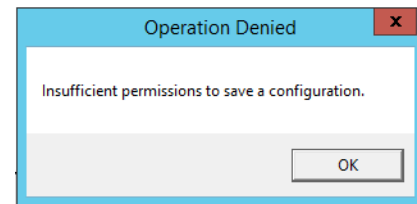


Figure 5 - Insufficient permission for the FDDWorX Viewer

7. However, you should still be able to see the data being loaded in the viewer.