

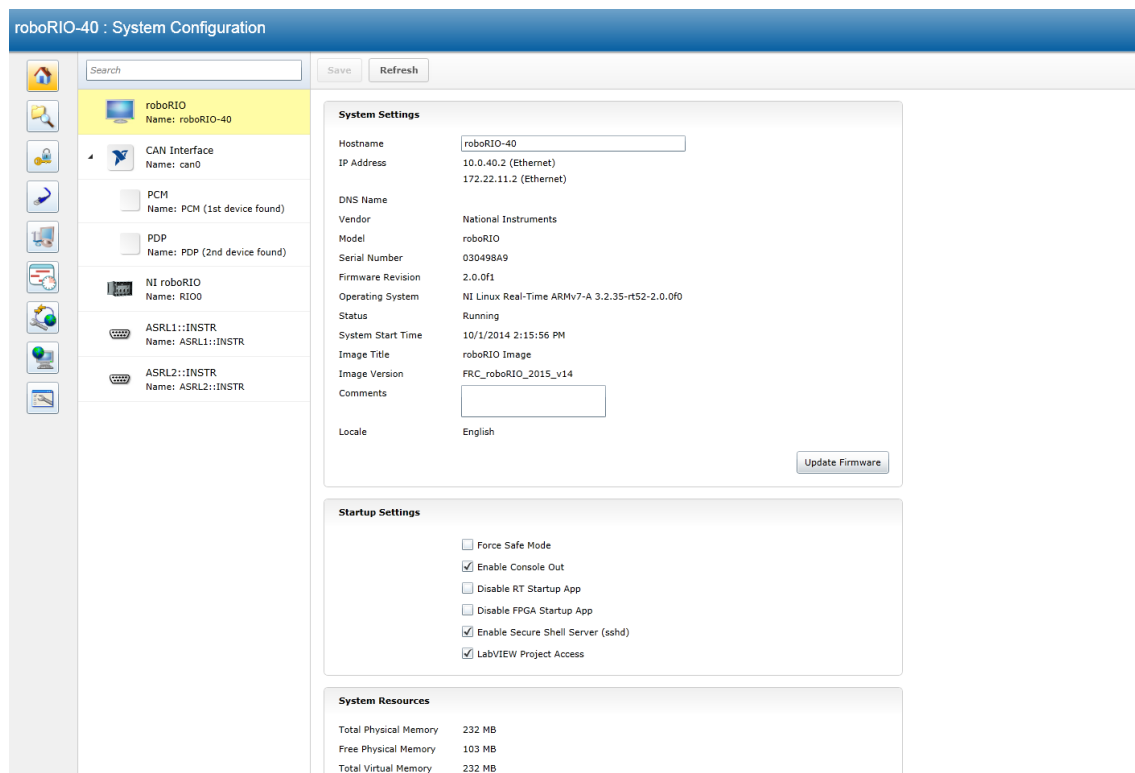
RoboRIO Webdashboard

The roboRIO web dashboard is a webpage built into the roboRIO that can be used for checking status and updating settings of the roboRIO.

Note: Google Chrome is removing support for the Silverlight plugin. You will need to use a different browser such as Internet Explorer to access the roboRIO webdashboard.

Note: The mDNS address of the roboRIO has changed for 2016. Please pay close attention to the address when accessing the roboRIO webdashboard.

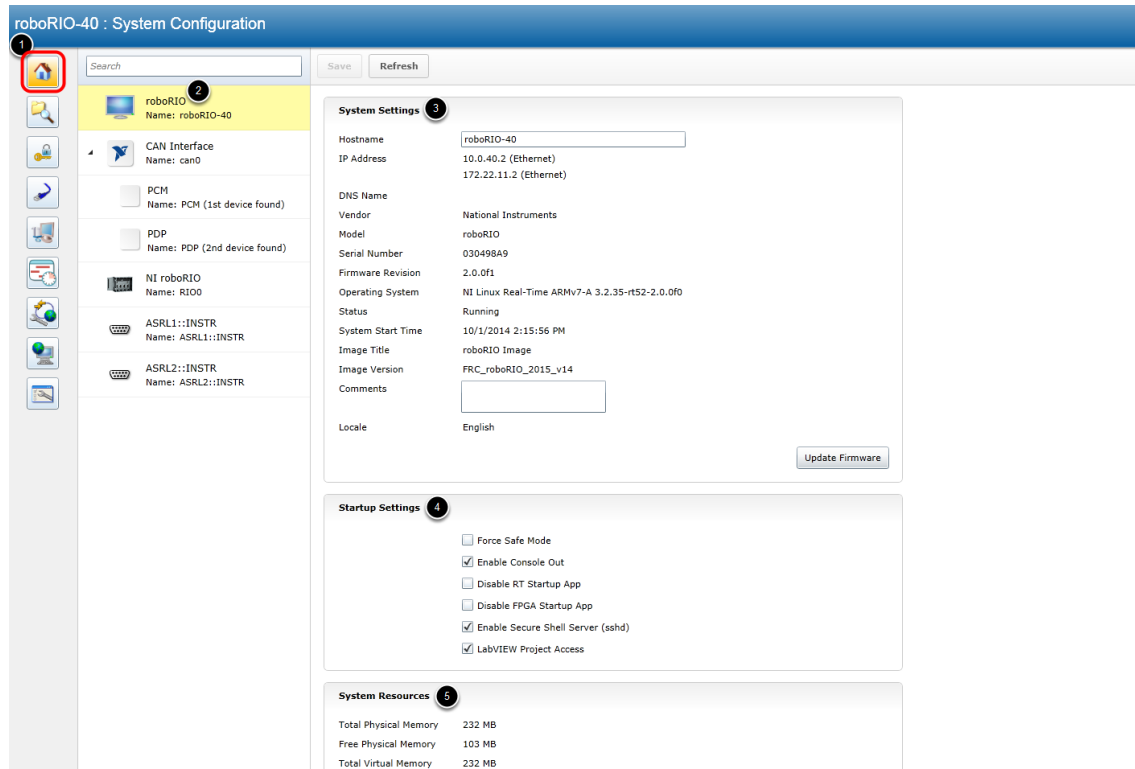
Opening the WebDash



To open the myRIO web dashboard, open a web browser and enter the address of the roboRIO into the address bar (172.22.11.2 for USB, or "roboRIO-####-FRC.local where #### is your team number, with no leading zeroes, for either interface). See this document for more details about mDNS and roboRIO networking: [RoboRIO Networking](#)

RoboRIO Webdashboard

Home Tab



The home tab of the web dashboard has 5 main sections:

1. Navigation Bar - This section allows you to navigate to different sections of the web dashboard. The different pages accessible through this navigation bar are discussed below.
2. Device listing - This section lists out the roboRIO devices. The primary use of this section is for selecting and configuring CAN devices as shown on this page: [Updating and Configuring Pneumatics Control Module and Power Distribution Panel](#)
3. System Settings - This section contains information about the System Settings. The Hostname field should not be modified manually use the roboRIO Imaging tool to set the Hostname based on your team number. This section contains information such as the device IP, firmware version and image version.
4. Startup Settings - This section contains Startup settings for the roboRIO. These are described in the sub-step below
5. System Resources - This section provides a snapshot of system resources such as memory and CPU load.

RoboRIO Webdashboard

Startup Settings

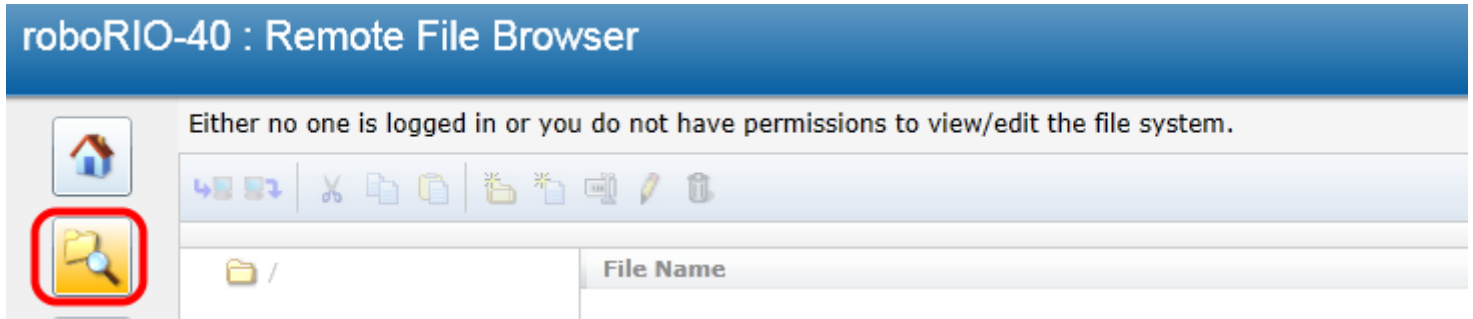
Startup Settings

- ☐ Force Safe Mode
- ☒ Enable Console Out
- ☐ Disable RT Startup App
- ☐ Disable FPGA Startup App
- ☒ Enable Secure Shell Server (sshd)
- ☒ LabVIEW Project Access

- Force Safe Mode - Forces the controller into Safe Mode. This can be used with troubleshooting imaging issues, but it is recommended to use the Reset button on the roboRIO to put the device into Safe Mode instead (with power already applied, hold the reset button for 5 seconds). **Default is unchecked.**
- Enable Console Out - This enables the on-board RS232 port to be used as a Console output. It is recommended to leave this enabled unless you are using this port to talk to a serial device (note that this port uses RS232 levels and should not be connected to many microcontrollers which use TTL levels). **Default is checked.**
- Disable RT Startup App - Checking this box disables code from running at startup. This may be used for troubleshooting if you find the roboRIO is unresponsive to new program download. **Default is unchecked**
- Disable FPGA Startup App - This box should not be checked.
- Enable Secure Shell Server (sshd) - It is recommended to leave this box checked. This setting enables SSH which is a way to remotely access a console on the roboRIO. Unchecking this box will prevent C++ and Java teams from loading code onto the roboRIO using the Eclipse plugins.
- LabVIEW Project Access - It is recommended to leave this box checked. This setting allows LabVIEW projects to access the roboRIO.

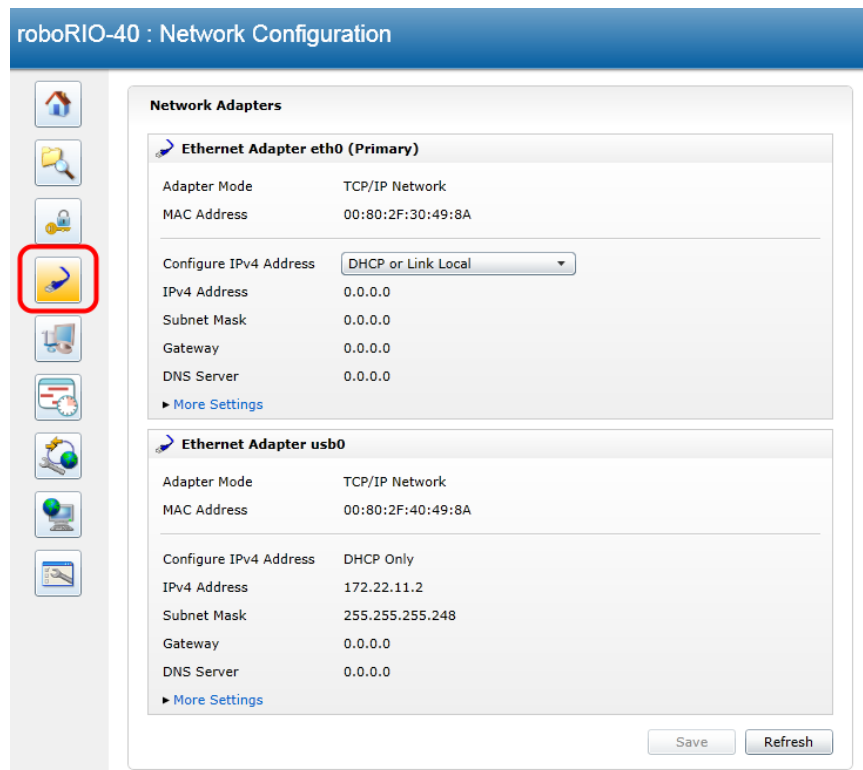
RoboRIO Webdashboard

Remote File Browser



Using the Remote File Browser requires setting a password for the admin account, which is not recommended (it will break C++ and Java program download/execution). Use FTP instead.






Network Configuration



This page shows the configuration of the roboRIO's network adapters. It is not recommended to change any settings on this page. For more information on roboRIO networking see this article: [RoboRIO Networking](#)


RoboRIO Webdashboard


Software Management





roboRIO-40 : Software Management

Currently Installed Software


 **FRC 1.0.0**


 HTTP Client with SSL Support 14.0.0


 LabVIEW Real-Time 14.0.0


 Legacy FTP Server (deprecated) 1.3.0

 NI System Configuration 14.0.0

 NI System Configuration Remote Support 14.0.0

 NI Vision RT 14.0.0







 NI Web-based Configuration and Monitoring 14.0.0

 Hardware Configuration Web Support 14.0.0

FRC
Version
1.0.0
Description
No abstract provided.

This tab shows the NI software installed on the roboRIO. It is not recommended to make any changes on this page.

Time Configuration



Date and Time

Configure the date and time settings for your target

◀ October, 2014 ▶

Su	Mo	Tu	We	Th	Fr	Sa
28	29	30	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	1
2	3	4	5	6	7	8

Current time
9:12:55 PM
Time Zone
(UTC) Coordinated Universal Time
☐ Automatically adjust clock for Daylight Saving Time

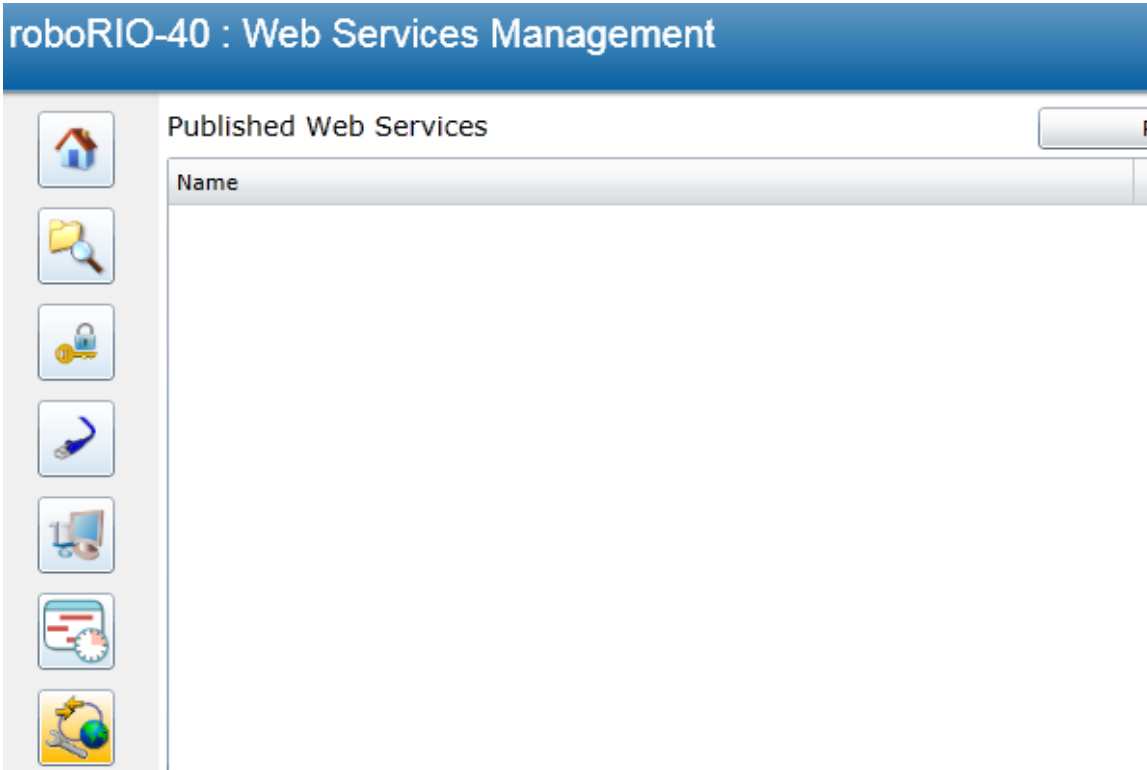
Save

Refresh

RoboRIO Webdashboard

The roboRIO has no battery backup so time configuration is lost each time the device boots. It is not recommended to make any changes on this page.

Web Services Managaement



This section shows the Web Services running on the roboRIO. It is not recommended to make any changes on this page.
























RoboRIO Webdashboard

Web Server Configuration



This page shows the configuration of the roboRIO webserver. It is not recommended to make any changes on this page.

Installed Configuration Tools

roboRIO-40 : Installed Configuration Tools			
	Control Name	Is Enabled?	Description
	Remote File Browser	<input checked="" type="checkbox"/>	Use this page to manage files on the remote device.
	System Configuration	<input checked="" type="checkbox"/>	View and configure connected hardware.
	Security Configuration	<input checked="" type="checkbox"/>	Use this page to set security permissions for users to monitor and configure the system.
	Network Configuration	<input checked="" type="checkbox"/>	Configure the settings for each network adapter on your system.
	Software Management	<input checked="" type="checkbox"/>	View and manage the software installed on this target.
	Time Configuration	<input checked="" type="checkbox"/>	Configure the current time of your RT target or setup a time synchronization protocol.
	Web Server Configuration	<input checked="" type="checkbox"/>	Use this page to configure the System and Application Web Servers.
	Web Services Management	<input checked="" type="checkbox"/>	Use this page to manage installed web services.
			
			
			
			
			
			
			
			
			
			
			
			
			
			
			

This page shows the configuration tools installed and enabled on the roboRIO. It is not recommended to make any changes on this page.