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Knowledge Base Article

Product Group: Software
Product: CMSW7400 – @ptitude Analyst
Version: 2010 MR3

Abstract

A new feature has been implemented in SKF @ptitude Analyst 2010 Maintenance Release 3 when used in conjunction with IMx firmware version 0.971 or later. This new feature allows the operator to send the IMx Network Configuration File directly to the IMx device using the TCP/IP communications between the IMx and the SKF IMx @ptitude Analyst Service. This makes it possible to send the IMx Network Configuration File to the device via @ptitude Analyst without it needing to be local to the device. The instructions for using this feature are outlined in this article.

Overview

An *IMx Network Configuration File* is a file created using the SKF Multilog Configurator application. This file defines the device number and its network configuration, including how it obtains its own IP address, and the IP address and port used by the IMx service with which the device is to communicate.

It is important to recognize that the IMx Network Configuration File does not configure the device channels, points to collect, or any alarm or transient groups. It is purely for setting up the device prior to communication with @ptitude Analyst.

In normal operation, the IMx is set up by making a direct connection to its RS-232 serial communications port and by using the SKF Multilog Configurator application to create and send this file to the IMx.

WARNING: Incorrect use of this feature can render communications with the IMx impossible. If used incorrectly, the only way to recover would be to go where the device is located and connect to the device directly. It is, therefore, **extremely important** that you understand what you are doing when you use this feature!

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Creating an IMx Network Configuration File
This file is created using the SKF Multilog Configurator application.

1. Press the [Create a Network ID...] button. The *Create IMx Config* window will be displayed. [Figure 1]
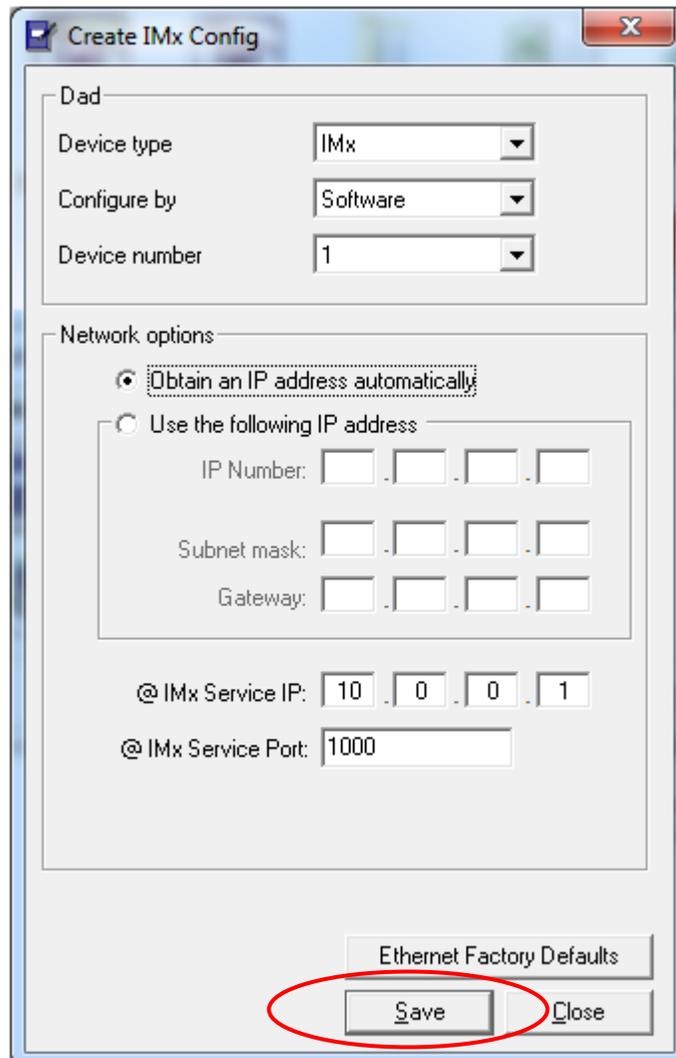
**Figure 1.** Create IMx Config dialog box

2. Press the [Save] button, and when prompted, save the file as an '.IMX' file (extension).

   It is recommended that the operator embed the device ID and IP address in the filename (for example: IMx_1_192_168_1_5.IMx).

3. The file is now ready to be sent to the device.

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Sending the Network Configuration File to the IMx Using @ptitude Analyst
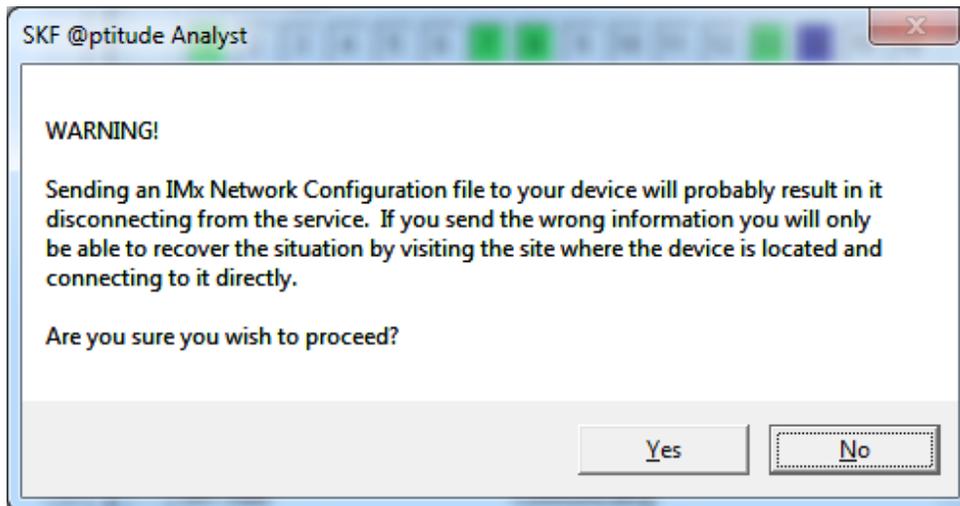
1. Launch @ptitude Analyst and open the *Status* window.

2. Select the appropriate IMx device, and then press the [Get Status] button to display the status of the device. This is necessary to enable the buttons at the bottom of the window. [Figure 2]
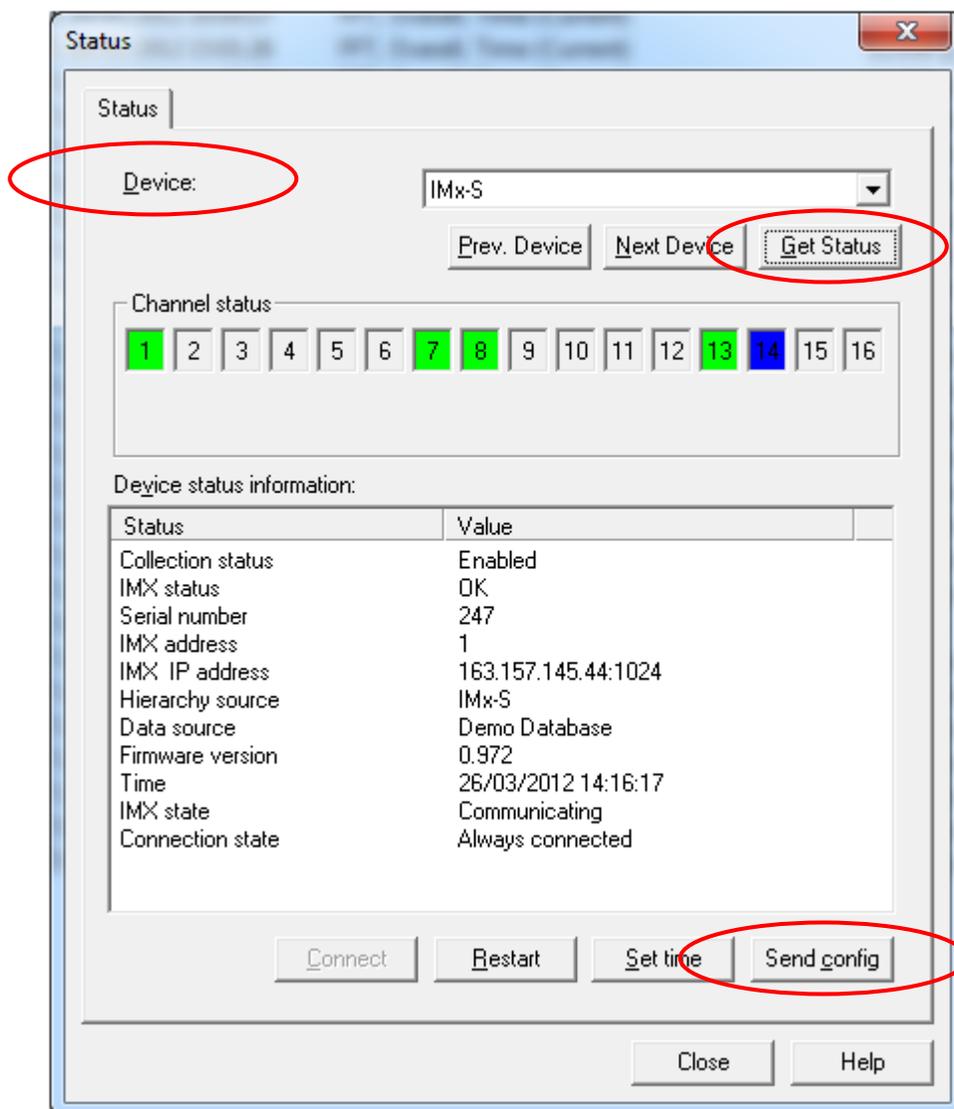
Figure 2. Status window

3. To send the IMx Network Configuration File that was just created, press the [Send config] button. This will bring up a standard *File Open* box that will allow the operator to select the appropriate file.

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4. Once the file is selected, an @ptitude Analyst warning prompt will appear. [Figure 3]

Figure 3. Warning message

5. Read the warning message. The operator should not proceed unless he or she is absolutely sure. To proceed, press the [Yes] button.

6. A confirmation prompt will display once more in order to confirm the operator's intentions. Press the [Yes] button again to proceed.

7. @ptitude Analyst will confirm that the configuration file was sent.

At this point, the IMx will disconnect from the service while it reboots with the new configuration. If the server IP details in this file were altered to work with another service, it will no longer be possible to connect to this IMx using the current service.

For further assistance, please contact the Technical Support Group by phone at 1-800-523-7514 option 8, or by email at tsg-americas@skf.com.

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