

## FieldServer Toolbox

MSA Safety has introduced the latest update to the user interface utility called FieldServer Toolbox. This updated utility is available on the web for all FieldServer Gateways<sup>1</sup> and enables users to easily:

1. Search the local network for any connected FieldServers.
2. Select the FieldServer and launch either the current user-friendly browser-based interface to help set-up, configure and diagnose the FieldServer.

The following information is viewable for connected FieldServers found by the FieldServer Toolbox:

**DEVICES** – Lists the device name.

**IP ADDRESS** – Shows the IP Address of the listed device.

**MAC ADDRESS** – Shows the MAC Address of the listed device.

**FAVORITE** – Click to mark this as a favorite device. The device information will show whether the device is found or not.

**CONNECTIVITY** – The light shows the level of connectivity for the device. Green is full connectivity. Yellow is limited connectivity. Blue is limited IP connectivity. And red is connectivity lost.

**BUTTONS** – These buttons allow multiple functions. The **Connect** button jumping straight into a device’s FS-GUI or Web Configurator page via default Internet browser. The **Gear** button allows configuration of the device’s network settings (IP Address, Netmask, DNS, etc.). The **Heartbeat** button allows taking diagnostics for the device.

DEVICES	IP ADDRESS	MAC ADDRESS	FAVORITE	CONNECTIVITY
KNX to BACnet EZ Gateway	192.168.3.12	00:50:4E:11:6C:58	★	●
Modbus to BACnet EZ Gateway	192.168.3.17	00:50:4E:11:6C:57	★	●
CN9999 HP Demo v1.00a	192.168.3.28	00:50:4E:60:00:07	★	●
BACnet Explorer	192.168.3.64	00:50:4E:60:00:2E	★	●
DCC104 QS.CSV v4.01b	192.168.3.69	00:50:4E:60:01:C3	★	●
Title Pending (User Device)	192.168.3.99	Pending (192.168.3.99)	★	●
EZ Gateway M-Bus	192.168.3.101	00:50:4E:11:3A:26	★	●
OZW Gateway	192.168.3.107	00:50:4E:10:06:DE	★	●
FieldPoP Demo - Boiler List	192.168.3.121	00:50:4E:11:81:B0	★	●
FieldPoP Demo - Rick's Casino	192.168.3.126	00:50:4E:11:81:A1	★	●
FieldServer BACnet Router	192.168.3.150	00:50:4E:11:90:DA	★	●
FSE7253 (FS02) Rev 1.50	192.168.3.153	00:50:4E:10:14:C9	★	●
FieldServer BACnet Router	192.168.3.160	00:50:4E:60:00:32	★	●
DCC085 QS.CSV v4.10c	192.168.3.201	00:50:4E:30:05:16	★	●
BACnet Explorer	192.168.3.220	00:50:4E:60:00:A5	★	●
OZW Gateway	192.168.3.223	00:50:4E:12:21:1A	★	●
WeatherLink	192.168.3.241	00:50:4E:11:4A:58	★	●

**NOTE:** For detailed descriptions on any of these items or additional information check the help menu.

### Download the FS Toolbox

<https://www.sierramonitor.com/customer-support#software-downloads>

<sup>1</sup> The ProtoCast gateway is not supported by the FS Toolbox.

## FieldServer Graphical User Interface (FS-GUI)

MSA Safety's FieldServer Gateways<sup>2</sup> come with the web-based FS-GUI making easy to check the status, configure and diagnose your FieldServer. Information such as network settings, node information, map descriptors, and transfer of files. The web browser interface can even be set up with your own logo and background if desired.

Each of the pages on the FS-GUI includes specific FieldServer information and features described below.

**NOTE: Click the Help button at the bottom of any page to view the Keyboard Shortcut and General Navigation list.**

### Home

Allows the user to check the status of the FieldServer gateway, including the configuration code, version, memory, gateway type and more. Under "Settings" the user has access to important network information.

**NOTE: The "System Restart" button at the bottom of the page is used to restart the FieldServer gateway (only on the Home page).**

The screenshot shows the FieldServer GUI interface. On the left is a navigation menu with 'Demo' selected. The main area displays system status information in a table format. At the bottom, there are several action buttons including 'System Restart'.

Name	Value
Driver_Configuration	DCC000
DCC_Version	V6.05p (A)
Kernel_Version	V6.50b (B)
Release_Status	Normal
Build_Revision	4.42.5-1-gff9eb3c6c0
Build_Date	2019-05-29 15:43:14 +0200
Platform_Name	ProtoAir_2RS485_ARMv7
BIOS_Version	4.1.0
FieldServer_Model	FPC-N54
Serial_Number	19102TB001PCR
Carrier_Type	-
Data_Points_Used	40
Data_Points_Max	1500
Application Memory:	

### About

Allows the user to check current firmware of the FieldServer gateway plus version identification of the interface and skin, plus contact information. Skin is either the default FieldServer template or it can be a specific template specified by the OEM customer.

### Setup

Select "File Transfer" to upload files to the FieldServer gateway including configuration files, firmware upgrades and more. Select "Network Settings" to access and modify network connection.

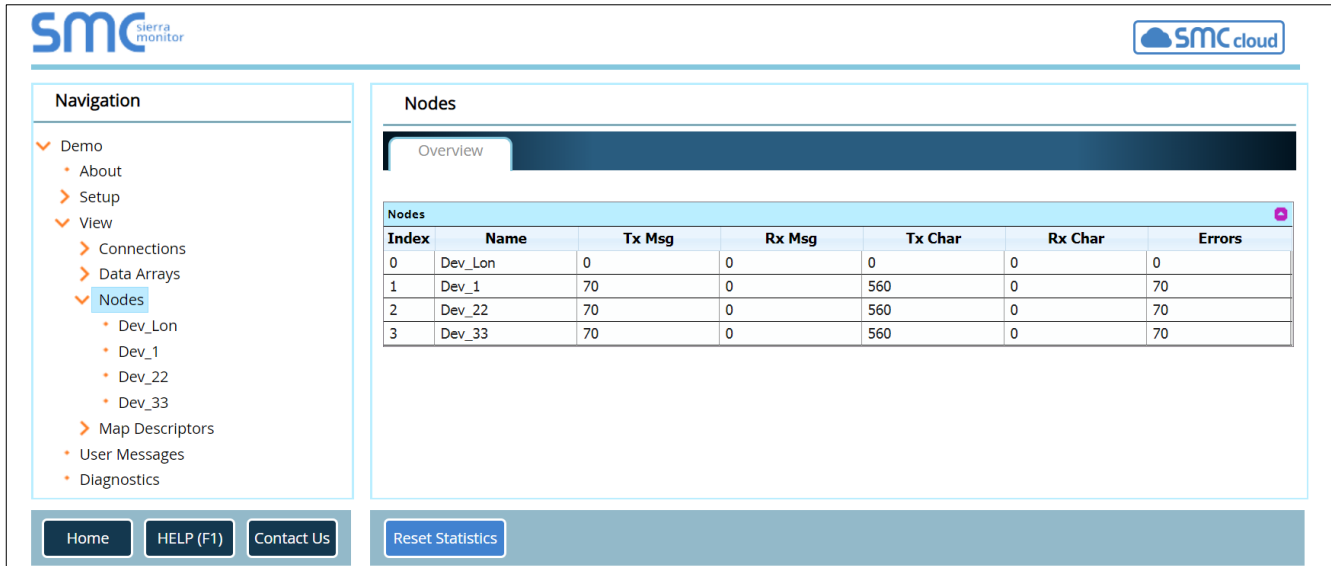
<sup>2</sup> The ProtoCast gateway does not include FS-GUI.

## View

Select "Connections" to view activity of devices connected to the FieldServer gateway ports.

Select "Data Arrays" to view the Data Arrays setup in the gateway and the user can click on the specific Data Array for detailed information.

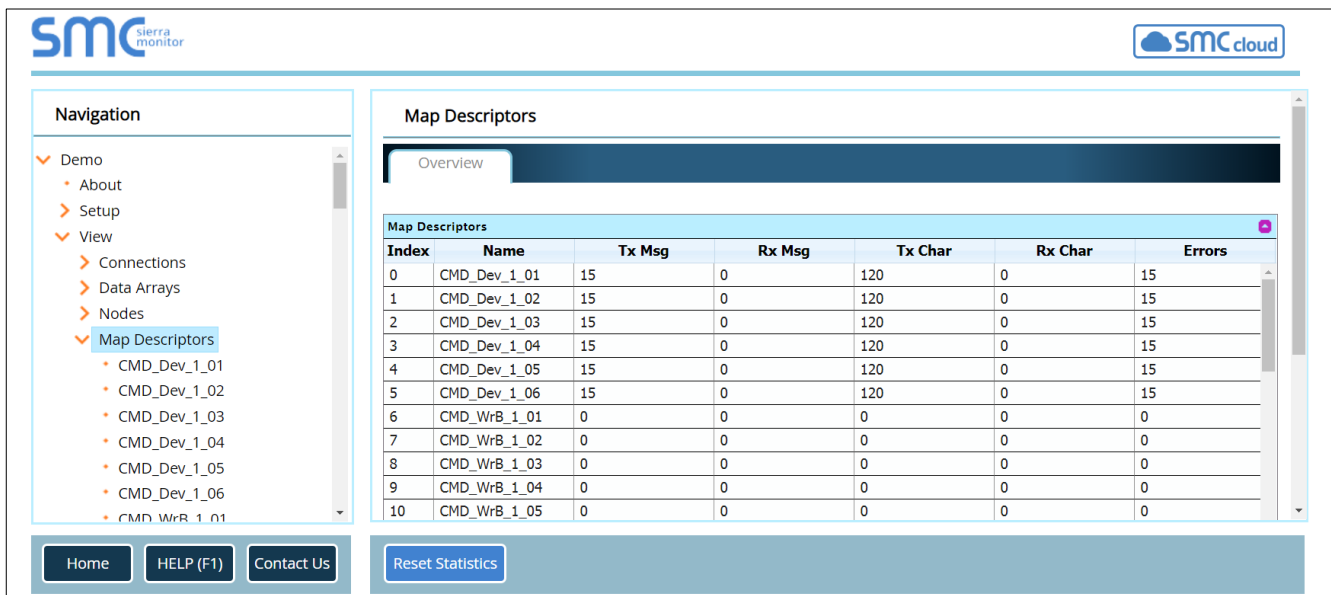
Select "Nodes" to view the Nodes setup in the gateway and the user can click on the specific node for Node detailed information. On the Nodes details page tabs across the top allow access to settings, status, info stats and error stats.



The screenshot shows the SMC cloud interface. The navigation menu on the left is expanded to 'Nodes'. The main content area displays a table of nodes with columns for Index, Name, Tx Msg, Rx Msg, Tx Char, Rx Char, and Errors.

Index	Name	Tx Msg	Rx Msg	Tx Char	Rx Char	Errors
0	Dev_Lon	0	0	0	0	0
1	Dev_1	70	0	560	0	70
2	Dev_22	70	0	560	0	70
3	Dev_33	70	0	560	0	70

Select "Map Descriptors" to view the Map Descriptors setup in the gateway and clicking on the specific map descriptor will access the Map Descriptors detail page. Again, tabs across the top of the page provide quick access to settings, status, info stats, and error stats.



The screenshot shows the SMC cloud interface. The navigation menu on the left is expanded to 'Map Descriptors'. The main content area displays a table of map descriptors with columns for Index, Name, Tx Msg, Rx Msg, Tx Char, Rx Char, and Errors.

Index	Name	Tx Msg	Rx Msg	Tx Char	Rx Char	Errors
0	CMD_Dev_1_01	15	0	120	0	15
1	CMD_Dev_1_02	15	0	120	0	15
2	CMD_Dev_1_03	15	0	120	0	15
3	CMD_Dev_1_04	15	0	120	0	15
4	CMD_Dev_1_05	15	0	120	0	15
5	CMD_Dev_1_06	15	0	120	0	15
6	CMD_WrB_1_01	0	0	0	0	0
7	CMD_WrB_1_02	0	0	0	0	0
8	CMD_WrB_1_03	0	0	0	0	0
9	CMD_WrB_1_04	0	0	0	0	0
10	CMD_WrB_1_05	0	0	0	0	0

## User Messages

Allows access to error messages, info messages and driver messages.

## Diagnostics

Used to create diagnostics captures to assist technical support. Allows capture of Ethernet or Wi-Fi connections.