

Concerns for customers migrating from Exec v.2.14 to the new v.2.28 which includes FDR functionality

Customers using DHCP to obtain an IP address should be aware that Exec v.2.28 starts the NIM in 'FDR' mode and several steps must be taken in order to prevent user defined web page parameters from being reverted back to default on power up. This could result in lost data every time the NIM is powered up.

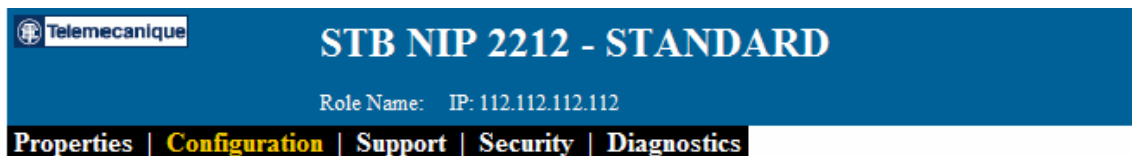
With release 2.14, the only thing a DHCP server provides to a NIM is its IP address, subnet mask and gateway if applicable. All of the web page parameters that the user can change are stored locally in the NIM.

With FDR functionality, these web page parameters are also stored within the DHCP server in a separate file. After an FDR enabled NIM receives its IP address, it requests this file and the contents are used to populate the web page parameters.

With the older Exec, this separate file has a zero length and provides no web parameters to the NIM and is fine for those using execs before 2.27, BUT for customers using NIMs with execs after 2.27 and NOT following FDR set up procedures, the NIM will ignore all locally stored web page parameters and set them to default resulting in lost parameters.

Also, after the NIM has set all its web page parameters back to default, connecting to the Advantys Configuration Tool will show two things. Bit 9 in the NIM status byte will be set to 1 and a module error of 'internal error' will be displayed in the log.

If a customer does NOT want to take advantage of FDR functionality, then they MUST go to the FDR Configuration web page and check the 'Use Local Configuration' checkbox AND then click 'Save' first, then 'Backup'. This will stop the NIM from populating the web page parameters with the contents of the DHCP server file or worse set all the parameters back to default if the DHCP server file contains no data.



FDR Configuration

Role Name:	<input type="text"/>
Server 1 IP Address:	<input type="text"/>
Server 2 IP Address:	<input type="text"/>
Check Time (minutes):	<input type="text" value="30"/>
Auto Sync Mode:	<input type="text" value="Disabled"/>
Use Local Configuration:	<input checked="" type="checkbox"/>
<input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Restore"/> <input type="button" value="Backup"/>	

When upgrading an STBNIP2212 to Exec version 2.27 or higher, a Subnet Mask range and Gateway IP address must be entered and saved in order to assign the configured IP to the NIM at power up. If the Subnet Mask and Gateway address are not assigned, the 'MAC derived' IP address will always be assigned instead.

STB NIP 2212 - STANDARD

Role Name: NIM IP: 112.112.112.113

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Configured IP

IP Address:	<input type="text" value="112.112.112.10"/>
Subnet Mask:	<input type="text" value="255.255.255.0"/>
Gateway:	<input type="text" value="112.112.112.73"/>
Frame Type:	<input type="text" value="Auto Framing"/> ▼
<input type="button" value="Save"/> <input type="button" value="Reset"/> <input type="button" value="Default"/>	