

remsdaq

Using EntroScripter



SCADA

Integrated Security

Mobilising

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Introduction

Overview



Notes

Number of configuration tasks per run-through	You may perform only one configuration task per run-through of the procedure. For example, if you want to configure the IP settings for some devices and also upgrade their firmware, then this would require two run-throughs (one for the IP configurations and one for the firmware upgrades).	
Overwriting of generated files	If you opt to use the same USB memory stick for multiple run-throughs, then be aware that EntroScripter overwrites generated files with each run-through. <i>Tip:</i> To avoid losing generated files as a consequence, either (a) use a separate USB memory stick for each configuration task or (b) during the file generation process, opt to save the generated files to local disk rather than directly to the root of the USB memory stick.	
Log files for diagnostics	When a device processes the one or more generated files hosted on the inserted USB memory stick, it saves a log file to the USB memory stick at this location: // <usb memory="" stick=""> / <serial device="" number="" of=""> / <timestamp of="" processing=""> / *.log Note: We recommend you view these log files in 'WordPad'.</timestamp></serial></usb>	

Procedures

IP configurations

- 1. Click the **Configure Devices** icon in EntroScripter.
- 2. In the **Configure Devices** dialog box that appears, compile the IP configurations for the devices of interest:

Configure Dev	vices	\otimes	
Use this screen to network. This info for use on a USB Device IP Settings	o configure the network set ormation will then be used t Memory Stick.	tings for devices on your to produce an Entroscript file	<i>For each device, in turn:</i> (<i>i</i>) Click Add Device .
IP Address 192.168.0 SubnetMask 255.25.2 Gateway 192.168.0 IP Address 192.168.0 SubnetMask 255.255.2 Gateway 192.168.0	865365 71 55.0 254 987354 73 55.0 254		 (ii) Complete the fields in the Add New Device dialog box. See the guidance notes, below. (iii) Click Add. (iv) Confirm that the added details are correct.
Add Device	Add new device Device Serial Number IP Address Subnet Mask Gateway	987354 192.168.0.73 255.255.255.0 192.168.0.254 iii Add Cancel	 Guidance notes for completing 'Add New Device' dialog box: Mandatory fields: 'Device Serial Number' (last six digits only), 'IP Address' and 'Subnet Mask'. Optional field: 'Gateway' ('0.0.0.0' if unspecified).

3. Generate the EntroScript.USB and Ipconfig.list files needed to perform the IP configurations:



- 4. Use the presented **Browse For Folder** dialog box to specify where to place the generated EntroScript.USB and Ipconfig.list files. You may place these files either (a) directly on the root of the USB memory stick you are using for this procedure or (b) on a local disk.
- 5. If you opted to place these generated files on a local disk, then copy them to the root of the USB memory stick.
- 6. Insert the USB memory stick into each device of interest, in turn.

The device automatically processes the EntroScript.USB and Ipconfig.list files hosted on the USB memory stick, focussing on those elements of the files relevant to this device. During processing, the 'Information' LED ('i', top-right of device) fast-flashes for a few seconds, after which the device settles back to its pre-processing state.

Purpose of 'Load' button:

Use this screen to configure the network settings for devices on your network. This information will then be used to produce an Entroscript file for use on a USB Memory Stick. Textea IP Settings	
865365 P. Address 1932/06/071 Submethate 2953/55250 Offering 1922/06/073 Submethate 2953/552 P Address 1922/06/073 Submethate 2953/552 Offering 1922/06/073 Submethate 2953/552 Offering 1922/06/073 Submethate 2953/552 Offering 1922/06/073 Submethate 2953/552/0 Offering 1922/06/073 Submethate)
987354 P Address 1321080279 Solometical 2531562530 Geterery 1321080254 You may them configurations To use this fe	
dialog box to	you to import, into EntroScripter, a set of IP via their associated Ipconfig.list file. review, edit and regenerate these IP as required. ature, click Load and then use the presented open the requisite Ipconfig.list file.

Firmware upgrades

1. Place the (Remsdaq-supplied) package of firmware upgrade files in an accessible folder.

The package comprises of these five firmware upgrade files:

- `Suite' = <firmware version>.upgrade
- 'Applications' = apps-*.upgrade
- 'Kernel' = kernel-*.upgrade
- 'Loader' = loader-*.upgrade
- 'File System' = rootfs-*.upgrade
- 2. In EntroScripter, click the Upgrade Device icon.
- 3. Use the presented Create Upgrade Package dialog box to generate the EntroScript.USB and EntroScript_Upgrade.tar files required to perform the firmware upgrade:

	Create Upgrade Package						
	Upgrade Folder						
	C:\FirmwareUpgrades_From_Remsdaq\1.3.28 Browse						
In order to generate a valid upgrade package the selected folder must contain all files provided for that software version.							
	Upgrad		C 1				
		1.3.28.upgrade apps-g165dbff.upgrade	Applications	 (i) Browse to the folder hosting the firmware upgrade files. 			
١		kernel-c307d12.upgrade	Kernel	(ii) Ensure that the five required files are present.			
		loader-c307d12.upgrade	Loader	(iii) Click Generate .			
		rootfs-3d62454.upgrade	File System				
			<u> </u>				
			(iii) _G	enerate Cancel			

- 4. In the **Browse For Folder** dialog box that appears, specify where to place the generated EntroScript.USB and EntroScript_Upgrade.tar files. You may place these files either (a) directly on the root of the USB memory stick you are using for this procedure or (b) on a local disk.
- 5. If you opted to place these generated files on a local disk, then copy them to the root of the USB memory stick.
- 6. Insert the USB memory stick into each device of interest, in turn.

The device automatically processes the EntroScript.USB and EntroScript_Upgrade.tar files hosted on the USB memory stick, during which the 'Information' LED (*i*', top-right of device) fast-flashes for a few seconds. Then the device auto-reboots.

Factory resets

- 1. In EntroScripter, click the Factory Reset Device icon.
- 2. Use the presented **Browse for Folder** dialog box to generate the EntroScript.USB file required to perform the factory reset, saving it to a location of your choice:

- 3. If you opted to save the generated EntroScript.USB file to local disk, then copy this file to the root of the USB memory stick.
- 4. Insert the USB memory stick into each device of interest, in turn.

The device automatically processes the EntroScript.USB file hosted on the USB memory stick, during which the 'Information' LED (*i*', top-right of device) fast-flashes for a few seconds. Then the device auto-reboots.