

System Administration in the EN-4000

The EN-4000 is the newest member of Encore Networks' family of routers. It provides wireless and cabled connections to a local area network (LAN) and to peripheral devices and remote devices.

The screens in this document are used only by system administrators and network administrators. The screens are shown here only for reference.

Figure 12-1. System Screen to Schedule Tasks

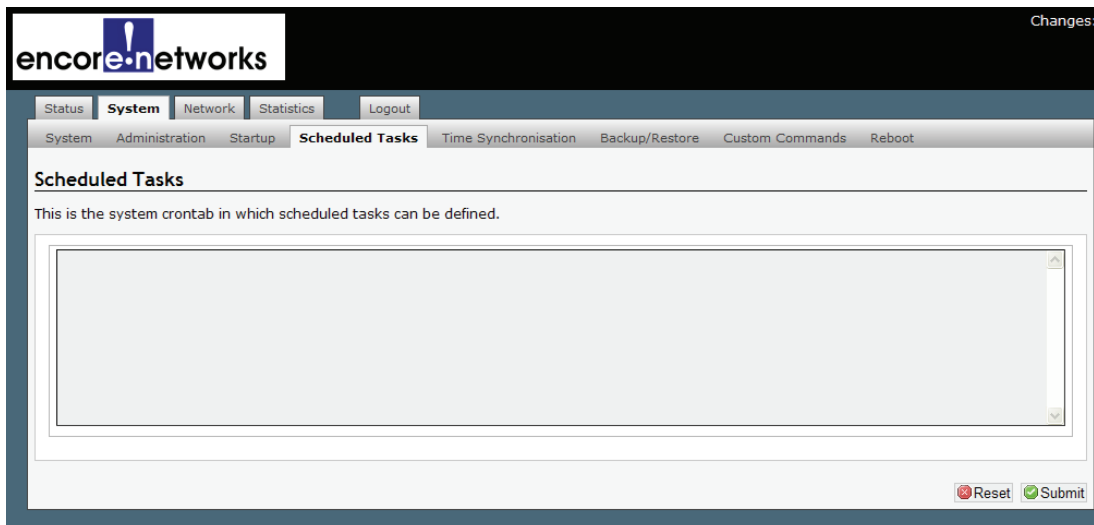


Figure 12-2. System Custom Commands Dashboard Screen

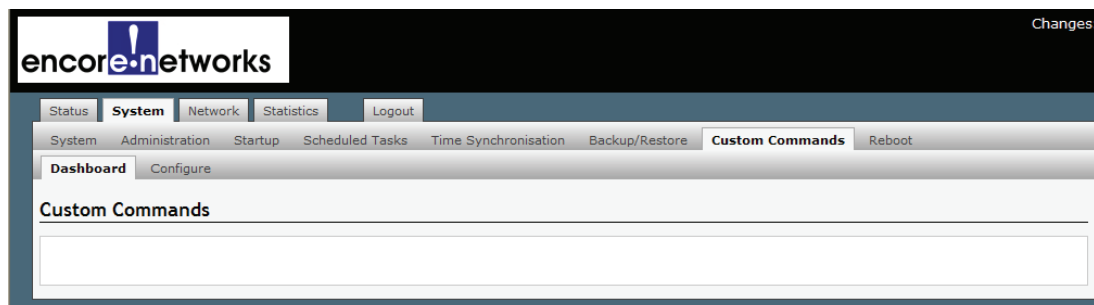


Figure 12-3. System Custom Commands Configuration Screen

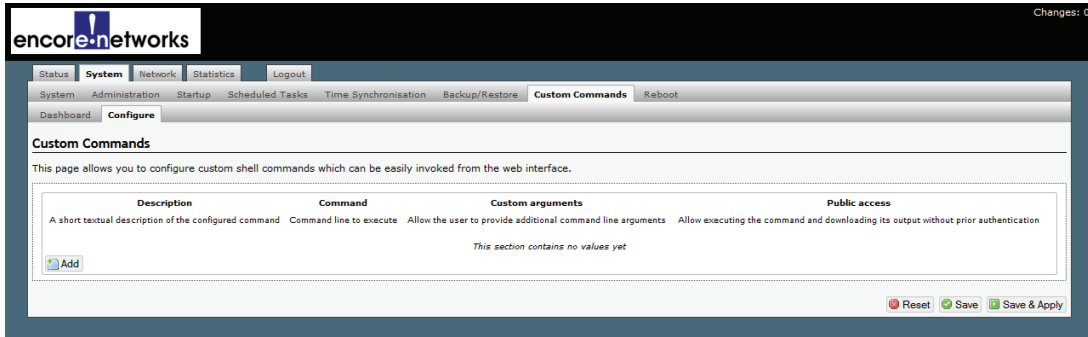


Figure 12-4. System Administration

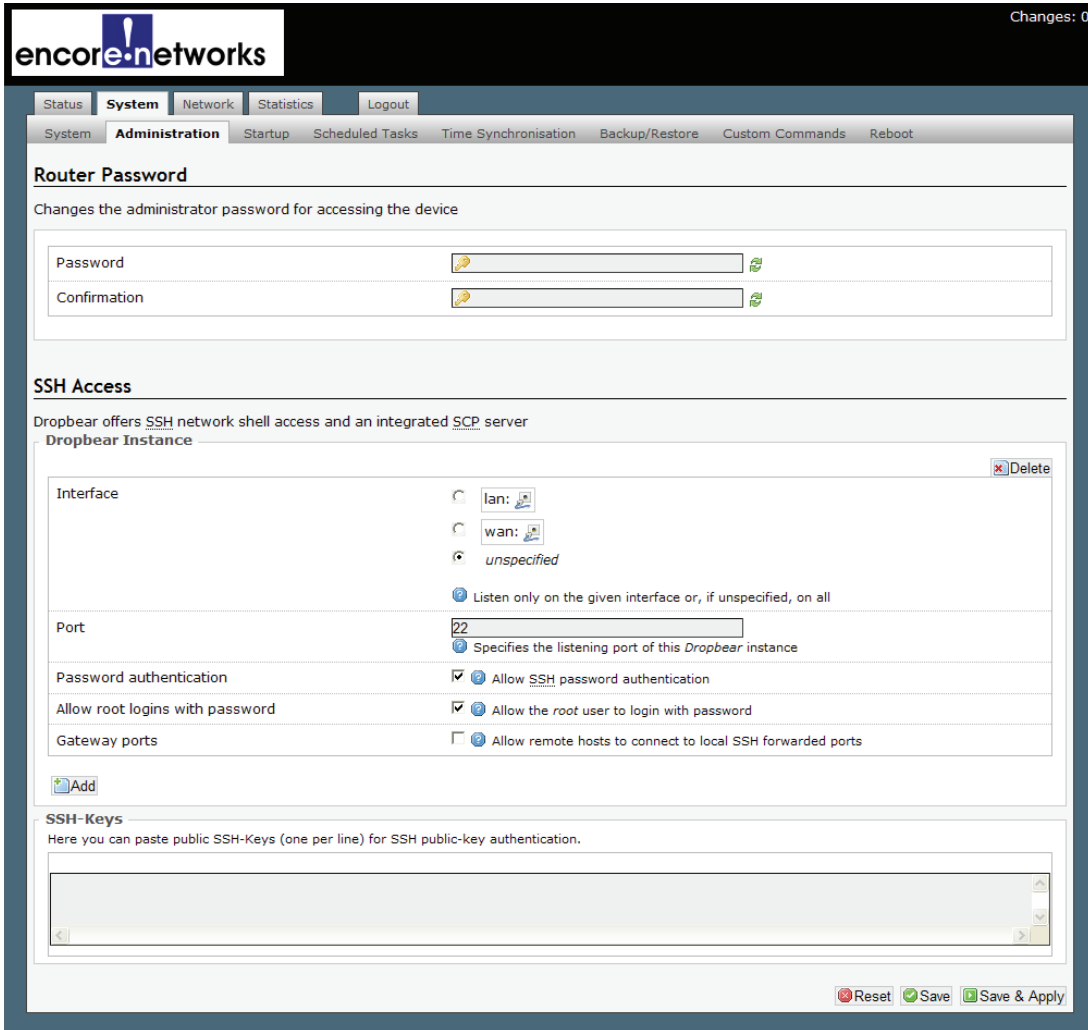


Figure 12-5. System Start-Up Screen

The screenshot shows the Encore Networks web interface for system administration. The top navigation bar includes 'Status', 'System', 'Network', 'Statistics', and 'Logout'. Below this, a secondary navigation bar has 'System', 'Administration', 'Startup', 'Scheduled Tasks', 'Time Synchronisation', 'Backup/Restore', 'Custom Commands', and 'Reboot'. The main content area is titled 'Initscripts' and contains a table of installed init scripts. A warning message states: 'Warning: If you disable essential init scripts like "network", your device might become inaccessible!'. Below the table is a 'Local Startup' section with a text area for custom commands and 'Reset' and 'Submit' buttons.

Initscripts

You can enable or disable installed init scripts here. Changes will be applied after a device reboot.
Warning: If you disable essential init scripts like "network", your device might become inaccessible!

Start priority	Initscript	Enable/Disable	Start	Restart	Stop
2	smtptd	Disabled	Start	Restart	Stop
5	luci_fixtime	Enabled	Start	Restart	Stop
10	boot	Enabled	Start	Restart	Stop
11	procd	Enabled	Start	Restart	Stop
20	network	Enabled	Start	Restart	Stop
39	usb	Enabled	Start	Restart	Stop
45	firewall	Enabled	Start	Restart	Stop
50	cron	Enabled	Start	Restart	Stop
50	dropbear	Enabled	Start	Restart	Stop
50	qos	Enabled	Start	Restart	Stop
50	snmpd	Enabled	Start	Restart	Stop
50	telnet	Enabled	Start	Restart	Stop
50	tftpd-hpa	Enabled	Start	Restart	Stop
50	uhttpd	Enabled	Start	Restart	Stop
50	vrrpd	Enabled	Start	Restart	Stop
59	luci_dhcp_migrate	Enabled	Start	Restart	Stop
60	dnsmasq	Enabled	Start	Restart	Stop
60	samba	Enabled	Start	Restart	Stop
79	luci_statistics	Enabled	Start	Restart	Stop
80	collectd	Enabled	Start	Restart	Stop
95	done	Enabled	Start	Restart	Stop
96	led	Enabled	Start	Restart	Stop
97	watchdog	Enabled	Start	Restart	Stop
98	sysnptd	Enabled	Start	Restart	Stop
99	multiwan	Enabled	Start	Restart	Stop
99	mwan3	Enabled	Start	Restart	Stop
99	qmi-start	Enabled	Start	Restart	Stop
99	sysctl	Enabled	Start	Restart	Stop

Local Startup

This is the content of /etc/rc.local. Insert your own commands here (in front of 'exit 0') to execute them at the end of the boot process.

```
# Put your custom commands here that should be executed once
# the system init finished. By default this file does nothing.
endefaultsd -y -u /dev/ttyUSB2 -i wwan0 0 0x26 w
exit 0
```

Reset Submit

Figure 12-6. System Back-Up Actions

The screenshot shows the Encore Networks web interface. At the top, there is a navigation bar with tabs for Status, System, Network, Statistics, and Logout. Below this is a secondary navigation bar with tabs for System, Administration, Startup, Scheduled Tasks, Time Synchronisation, Backup/Restore, Custom Commands, and Reboot. The main content area is titled 'Flash operations' and has two sub-tabs: 'Actions' and 'Configuration'. Under 'Actions', there is a section for 'Backup / Restore' with the following text: 'Click "Generate archive" to download a tar archive of the current configuration files. To reset the firmware to its initial state, click "Perform reset" (only possible with squashfs images)'. Below this text are two buttons: 'Generate archive' and 'Perform reset'. There is also a section for 'Restore backup' with the text: 'To restore configuration files, you can upload a previously generated backup archive here.' Below this text are two buttons: 'Browse...' and 'Upload archive...'. At the bottom, there is a section for 'Flash new firmware image' with the text: 'Sorry, there is no sysupgrade support present, a new firmware image must be flashed manually. Please refer to the OpenWrt wiki for device specific install instructions.'

Figure 12-7. System Back-Up Configuration

The screenshot shows the Encore Networks web interface. At the top, there is a navigation bar with tabs for Status, System, Network, Statistics, and Logout. Below this is a secondary navigation bar with tabs for System, Administration, Startup, Scheduled Tasks, Time Synchronisation, Backup/Restore, Custom Commands, and Reboot. The main content area is titled 'Backup file list' and has two sub-tabs: 'Actions' and 'Configuration'. Under 'Configuration', there is a section for 'Backup file list' with the following text: 'This is a list of shell glob patterns for matching files and directories to include during sysupgrade. Modified files in /etc/config/ and certain other configurations are automatically preserved.' Below this text is a button labeled 'Open list...'. Below the button is a text area containing the following text: '## This file contains files and directories that should ## be preserved during an upgrade. # /etc/example.conf # /etc/openvpn/'. At the bottom right of the page, there are two buttons: 'Reset' and 'Submit'.