

Prepared by Peter Adleff	Document Release Notes WeConfig 1.9.1	
Approved by Anders Hanberg	Date November 29, 2018	Document No 186018-ga258a096c

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1 About

WeConfig is a Windows based tool for configuration and maintenance of Westermo switches and routers running WeOS (Westermo Operating System).

For more information about Westermo and other product offerings see www.westermo.com.

1.1 Installation

The following prerequisites have to be fulfilled to successfully install and execute WeConfig:

- Microsoft .NET framework 4.6.2 installed
- WinPcap 4.1.3 installed

Microsoft .NET Framework 4.6.2 will be installed automatically, if the installer does not find it on the target system. The Microsoft .NET installer requires an internet connection. WinPCAP is installed by default, but may be changed in the installer options.

If WinPcap is not installed, WeConfig will not be able to discover where in the topology the WeConfig PC is connected; no other functionality is affected.

1.2 Usage

The following must be enabled on the managed switches/routers to get full functionality of WeConfig:

- IPConfig protocol
- HTTPS (Web) must be enabled on port 443
Administrator password must be setup in the WeConfig Settings dialogue.
- SNMP protocol. The read community has to be set.
The same read community has to be setup in WeConfig Project Settings dialogue.
- LLDP protocol
- SSH CLI access

The functionality dependent on the respective item above is described below.

- Information gathering from the device, including topology information to be able to draw a device map is performed using SNMP.

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- Basic Setup uses the IPConfig protocol to setup devices. The IPConfig protocol must be enabled on the devices to use Basic Setup.
- Backup, restore and firmware upgrade all use the HTTPS interface.
- Upgrade with HTTPS-upload method uses the HTTPS interface.
- To use SSH access an external SSH client must be set up in the Settings dialogue.
- All configuration of WeOS devices depends on the use of SSH; hence, SSH must be enabled on the target devices.

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2 News

WeConfig 1.9 introduces the following new functions:

2.1 Internationalization

The WeConfig user interface now supports different display languages. Language packs are installed separately.

2.2 Notifications

WeConfig now has a notification panel, where important messages to the user is shown.

2.3 Network Baseline Report

WeConfig can generate a network baseline report to show characteristics and settings tied to the function and performance of a system.

2.4 Tools

- Tool to check the integrity of a firmware file by calculating the SHA-256 checksum.
- Tool to calculate Subnet (subnet address, broadcast address, netmask, min/max IP address, number of hosts/nets).

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3 Limitations

- Upgrade using HTTPS-upload is supported from WeOS 4.13 and later.
To upgrade an older WeOS version, TFTP/FTP method must be used. A TFTP or a FTP server must be running on the WeConfig PC. The path to the TFTP/FTP root folder is setup in the Settings dialogue.
- Hostname and location is limited to 10 and 11 characters due to limitations of the IPConfig protocol.
- Conflicting IP addresses can only be identified on WeOS units, and only for the IP address retrieved using the IPConfig protocol.
- WeConfig does not identify if an IP Address is statically configured or retrieved from a DHCP server. When setting an IP address using WeConfig, it is applied as a static address.
- Non WeOS units have limited support in WeConfig.
- Limited WeConfig SNMP trap support will be available when MS Windows SNMP Trap Host server is activated. For WeConfig to provide as much SNMP trap support as possible, please disable the MS Windows Trap Host server.
- If alarm monitoring for SNR high/low is to function properly, the device's firmware version must be 4.18.0 or higher due to a limitation in earlier firmwares.
- Some NICs (mostly low end USB NICs) discard LLDP frames. This means that WeConfig cannot learn where it is connected in the network.
- VLAN configuration is not supported on WeOS 4.13.4 or previous versions.
- WeConfig might not show SNMP traps sent from routers
- Device connections might not be displayed correctly until 30 seconds after a link up/down event.

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4 Fixed Issues

Issue	Version	Category	Description
#0013467	1.9.0	GUI	NTP field does not allow numerical values
#0016601	1.9.0	GUI	NEW VLAN Conflict button disappears when a trunk port is added
#0016602	1.9.0	GUI	General setting Date and time does not allow for URL entries
#0016604	1.9.0	GUI	Diagnostic CSV file has a default of SHDSL Diagnostics.csv
#0016605	1.9.0	GUI	When saving a diagnostic CSV file the location is ignored
#0016606	1.9.0	GUI	Saving diag CSV file wipes current graph view from screen
#0016616	1.9.0	GUI	Deployment report: ports are named inconsistently
#0016654	1.9.0	SYSTEM	MRP licensing may be confusing
#0016701	1.9.0	GUI	Add more than one NTP servers in the NTP config
#0016777	1.9.0	SYSTEM	Enabling syslog server corrupts main menu
#0016820	1.9.0	GUI	Security MAC Filter Scan, WeConfig does not find all MAC-Addresses present
#0016846	1.9.0	SYSTEM	Unable to open NPRJ file with manual MRD Connection
#0016967	1.9.1	GUI	USB connected always shows No in Network Baseline Report
#0016966	1.9.1	GUI	Missing labels in Security Report
#0016960	1.9.1	GUI	VLAN interface address is not shown correctly in Security Report
#0016958	1.9.1	GUI	WeConfig crashes when adding a device manually to the topology
#0016953	1.9.1	GUI	VLAN header is not visible in Deployment Report
#0016952	1.9.1	GUI	CA certificate is never shown in security report SSL settings
#0016915	1.9.1	GUI	WeConfig crashes when resizing bottom tabs during scan