

Prepared by Peter Adleff	Document Release Notes WeConfig 1.7.1	
Approved by Bo Jansson	Date January 19, 2018	Document No 186018-g57db7515e

Release Notes WeConfig 1.7.1

Contents

1	About	2
1.1	Installation	2
1.2	Usage	2
2	News	4
2.1	Summary of Changes	5
2.1.1	Report saving	5
2.1.2	Extended port configuration	5
2.1.3	Occular device identification	5
2.1.4	FRNT bus topology support	5
2.1.5	Device password management	5
3	Known Limitations	6
4	Known Issues	7
5	Fixed Issues	8

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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 <http://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

.NET Framework 4.6.2 will be installed automatically, if the installer does not find it on the target system. The .NET installer will require 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 1.7 introduces the following new functions:

- Report saving
- Extended port configuration
- Occular device identification
- FRNT bus topology support
- Extended support for MRD and RT family devices
- Support for new 20 port Viper devices

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2.1 Summary of Changes

2.1.1 Report saving

Reports are automatically saved as project attachments.

2.1.2 Extended port configuration

Unused ports may now be easily disabled.

2.1.3 Occular device identification

Occular device identification is now possible by blinking devices' "On" LED.

2.1.4 FRNT bus topology support

WeConfig supports configuration of FRNT bus (horseshoe).

2.1.5 Device password management

WeConfig no longer supports the notion of "default project password". That setting used to be found under project settings. Instead, WeConfig will default to device specific default passwords, unless a device password has been explicitly set. See the "Device Access" dialog under the project menu.

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3 Known Limitations

This section includes known reported bugs and missing features, which may not necessarily be *limitations*, in many cases they may constitute operational drawbacks.

- 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.

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4 Known Issues

Issue	Category	Description
#0011501	SYSTEM	WeConfig might not handle SNMP traps sent from routers
#0014753	SYSTEM	VLAN configuration not working on WeOS 4.13.4 (and older versions)
#0014754	GUI	It is possible to configure CPU bandwidth limit with FPS unit (frames per second) on WeOS devices version 4.13.4 and older
#0015611	SYSTEM	Projects with many configuration backups may be slow to open
#0015648	GUI	Scanning devices over L3 networks does not flag newly detected devices as "New"

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5 Fixed Issues

Fixed issues in WeConfig v1.7.1 since v1.6

Issue	Version	Category	Description
#0014710	1.7.0	SYSTEM	Can't read RiCo configuration
#0014724	1.7.0	SYSTEM	WeConfig cannot get correct information about ports when FRNT is activated without proper N/M ports
#0014773	1.7.0	SYSTEM	SNMP traps should mark devices as reachable
#0014848	1.7.0	GUI	CPU BW limit crashes if no limit unit selected
#0014850	1.7.0	GUI	TACACS servers available for 802.1x configuration
#0014851	1.7.0	SYSTEM	Fail without information when configuring RiCO with port conflicting with Dual Homing
#0014852	1.7.0	GUI	Server groups does not handle listing of servers without description
#0014861	1.7.0	GUI	WeConfig shows units in wrong order WeConfig 1.6
#0014898	1.7.0	SYSTEM	FW upgrades that take longer than 10 minutes fails
#0014970	1.7.0	SYSTEM	FRNT uplinks are incorrectly detected as dual homing links
#0015037	1.7.0	SYSTEM	WeConfig fails when handling/configuring many (> 20 units) concurrently
#0015055	1.7.0	GUI	Down links are not detected when WeConfig reconnects to a system
#0015069	1.7.0	GUI	WeConfig allows values for CPU bandwidth limits that are higher than devices can handle
#0015085	1.7.0	GUI	When opening a project, the status bar does not update the total number of devices in project
#0015095	1.7.0	SYSTEM	Firmware upgrade stalls on the 100 switch system
#0015105	1.7.0	SYSTEM	Links between an added device and Westermo device are dotted red
#0015073	1.7.1	SYSTEM	Auto layout crashes on 100 switch network
#0015083	1.7.1	GUI	When dragging multiple devices, some devices may initially "jump around"
#0015314	1.7.1	SYSTEM	Propose path takes wrong order when used in "open ring"
#0015345	1.7.1	SYSTEM	WeConfig does not optimize pkg files.
#0015420	1.7.1	SYSTEM	RFIR-127-F4G-T7G-AC and Viper-112A-T3G-P8-LV are not recognized by WeConfig
#0015421	1.7.1	SYSTEM	WeConfig crashes when selecting a manually added Westermo device
#0015433	1.7.1	SYSTEM	New Viper missing from the white list
#0015446	1.7.1	SYSTEM	New DDW-142-12V DC not recognised by WeConfig
#0015469	1.7.1	SYSTEM	RFI missing from white list
#0015500	1.7.1	GUI	When retrying FW upgrade, WeConfig does not display that it's awaiting new attempt

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Issue	Version	Category	Description
#0015541	1.7.1	SYSTEM	Setup does not respect failures in the .NET installer, and continues installation anyway
#0015596	1.7.1	GUI	WeConfig allows the user to pick aggregate port as FRNT ring ports
#0015610	1.7.1	GUI	UI is updates are twice as slow as necessary
#0015616	1.7.1	SYSTEM	SSH connections are sometimes blocked indefinitely
#0015617	1.7.1	SYSTEM	WeConfig hangs when upgrading WeOS 5.x devices
#0015622	1.7.1	GUI	Port indication in UI points at wrong port
#0015643	1.7.1	SYSTEM	WeConfig crash when trying to add device to DSL configuration
#0015729	1.7.1	SYSTEM	The physical media type may be incorrect (unknown type)
#0015731	1.7.1	SYSTEM	WeConfig does not resume parallel upgrades after failure
#0015733	1.7.1	SYSTEM	When aborting a FW upgrade using the “global” abort button, nothing happens
#0015734	1.7.1	SYSTEM	Scanning with IPconfig sometimes fails when a networking card has more than one IP address assigned
#0015763	1.7.1	SYSTEM	When configuring SHDSL for devices that are connected WeConfig may crash