



AscenLink LinkOS V7.1 B5955

Release Notes



AscenLink Release Notes – LinkOS V7.1 B5955

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Reversion 1

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Introduction

Summary

This LinkOS firmware V7.1 B5955 is the latest build for Fortinet AscenLink V7.1. To protect AscenLink from the vulnerabilities of OpenSSL, PHP, Apache and malformed TCP packets, the system is upgraded and enhanced. Several configuration issues that are caused by Grouping are fixed in this release. This document provides a list of resolved issues, upgrade procedures and support information of AscenLink LinkOS V7.1 B5955. Please review all sections of this document prior to upgrading your device.

Supported Models

LinkOS **V7.1 B5955** is the latest AscenLink firmware version released for AscenLink-700, AscenLink-5000 and AscenLink-6000.

Compatibility

LinkOS **V7.1 B5955** provides support and is compatible with all versions of LinkReport. AscenLink-6000 requires LinkOS V6.1, or higher.

Resolved Issues in V7.1 B5955

Ticket 2909

Over-Threshold WAN Links were not skipped in Multi-Homing A(AAA) Record Policies. Instead of ignoring over-Threshold WAN Links and looking for the next valid WAN Link in the policy, the system continued to reply with the IP address of the over-Threshold link(s).

Ticket 2914

The account name, log-out button and system date on the left upper side of AscenLink Web UI overlapped each other when the length of account name was long.

Ticket 2919

A mistake in the Disable function of WAN links sometimes caused an error message "Internal Error 101" displaying when disabling a WAN link or applying configurations in [System > Network Settings].

Ticket 2932

Incompatible naming rules for IP Group and Service Group caused the failure to apply configuration files from previous versions when upgrading to AscenLink V7.1.

Ticket 2936

Previously configured IP Groups were not always shown in the selection pull-down menus for Source and Destination fields in Bandwidth Management, Persistent Routing and Auto Routing.

Ticket 2937

An error message displayed when the field Source IP of an AAAA record was configured with a defined IPv6 group.

Ticket 2938

The MAC address in Port Speed/Duplex Setting page was not reset to default after Clone MAC on the correspondent WAN port was disabled.

Ticket 2942

The PPPoE Redial did not function correctly.

Ticket 2950

AscenLink Web UI failed to display configurations that contained Chinese characters and sometimes caused abnormal effects on Firewall's IPv6 Rules.

Ticket 2965

AscenLink reliability is enhanced to avoid system crash from malformed TCP packet.

Ticket 2968

Open SSL employed in AscenLink was upgraded to version 1.0.1h to resolve the vulnerabilities CVE-2014-0224 (Man-in-the-Middle), CVE-2014-0198 (Denial of Service), CVE-2014-5298 (Data injection and Denial of Service) and CVE-2014-3470 (Denial of Service on OpenSSL TLS client).

Ticket 2984

AscenLink might fail to upgrade from V6.5 / V7.0 to V7.1 and caused failure to reboot if system daemons were coincidentally occupying a file directory during the upgrading procedure, which is not common.

Ticket 2987

PHP employed in AscenLink was upgraded to V5.5.11 or later to resolve a vulnerability CVE-2013-7345 (Risk of suffering from CPU consumption attacks).

Ticket 2989

Apache employed in AscenLink was upgraded to V2.4.9 or later to resolve a vulnerability CVE-2014-0098 (Risk of suffering from DoS attacks which causing

segmentation fault and daemon crash).

Ticket 2994

Abnormal behaviors occurred on the Web UI of services Auto Routing, Multihoming and NAT (failed to display the UI pages or error messages displayed) if applying configurations including an IP Group or Service Group, which the group name contained special characters such as single quotation, double quotation or backslash.

Ticket 2971

AscenLink send incorrect SNMP responses if the received SNMP datagram contained multiple requests.

Ticket 2973

AscenLink responded incorrect number of octets of a network interface for SNMP requests when the amount of octets the interface had received or translated was exceeding 4GB.

Firmware Upgrade Procedures

Upgrading Information

- Note that only versions V7.1 B5745, V7.1 B5599, V7.0 B5526, V6.5 B3856, V6.5 B4038, V6.5 B4081 and V6.5 B4175 are supported for upgrade to V7.1 B5955. For V7.0 (B5338 and B5246), please update to V7.0 B5526 **first** before updating to V7.1 B5955.
- System with demonstration licenses cannot be upgraded to R7.1. Please contact Fortinet at ascenlink@fortinet.com for information on updating these systems to NFR units.
- AscenLink's firmware image and upgrade license key are available from FortiCare at <https://support.fortinet.com> once customer's AscenLink Serial Number is registered. However, because of US Government export restrictions on Tunnel Routing technology, all registration to FortiCare for customers using V7.0 or V6.5 **MUST** be "ordered" via your distributor and Fortinet Order Management. Registrations for in-warranty systems will be at no charge, as usual, but Fortinet must have end-user visibility and update its databases in order to support AscenLink. The SKU for ordering a Registration is **AL-REGI-FC**. This is a one-time requirement. Future upgrades will be automatically available to in-warranty customers via the FortiCare website, without the need for additional ordering.

Upgrade procedure

Upgrade from V6.5 or V7.0 B5526

After registering to FortiCare, the License Key can be generated inside FortiCare (for in-warranty Serial Number).

Start the upgrade procedure as follow:

- Always back up your system configurations before upgrading.
- Log on to AscenLink as Administrator and go to [System > Administrator] page.
- Click Update to start the upgrade procedure
 - Click Browse to select the path where the new firmware image is saved
 - Enter the Update Key you received from Fortinet
 - Select Upload.
- Be patient while firmware is being upgraded. During the upgrade, do not turn off the system, unplug the power or repeatedly click the Submit button.
- The message "Update succeeded" will appear after the upgrade is completed. Please reboot the system afterwards for the firmware to take effect.

Upgrade from V7.1

- Always back up your system configurations before upgrading.
- Log on to AscenLink as Administrator and go to [System > Administration] page.
- Click Update to start the upgrade procedure.
 - Click Browse to select the path where the new firmware image is saved.
 - Select Upload.
- Be patient while firmware is being upgraded. During the upgrade, do not turn off the system, unplug the power or repeatedly click the Submit button.
- The message “Update succeeded” will appear after the upgrade is completed. Please reboot the system afterwards for the firmware to take effect.

Getting Help

For customer support of Fortinet's AscenLink products shipped, please contact your local Fortinet AscenLink channel partner or http://www.fortinet.com/support/contact_support.html. AscenLink system must be registered to FortiCare to receive support.

Patches and updates are regularly released for Fortinet's AscenLink products. For access, please register at <https://support.fortinet.com/> or contact ascenlink@fortinet.com.

