AscenLink LinkOS V7.2.1 B6517

Release Notes

AscenLink Release Notes – LinkOS V7.2.1 B6517

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Revision 1

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Introduction

Summary

This LinkOS firmware V7.2.1 B6517 is the first build for Fortinet AscenLink V7.2. Several issues are resolved in this release including the fixes on VRRP, Tunnel Routing Benchmark, IPv6 NDP Proxy and the Traceroute command in CLI. The improvements on Tunnel Routing throughput and security against Poodle vulnerability are involved in this release. This document provides a list of resolved issues, upgrade procedures and support information of AscenLink LinkOS V7.2.1 B6517. Please review all sections of this document prior to upgrading your device.

Supported Models

LinkOS **V7.2.1 B6517** is the latest AscenLink firmware version released for AscenLink-700, AscenLink-5000 and AscenLink-6000.

Compatibility

LinkOS **V7.2.1 B6517** provides support and is compatible with all versions of LinkReport. AscenLink-6000 requires LinkOS V6.1, or higher.

Resolved Issues in V7.2.1 B6517

Mantis ID 265455

AscenLink does not support VRRP for IPv6 LANs. However, it failed to apply VRRP to an IPv4 LAN (no IPv6 is configured) since an error message that system does not support VRRP for IPv6 was incorrectly displayed.

Mantis ID 265348

The output from executing the command Traceroute in CLI was incorrect.

Mantis ID 265460

IPv6 NDP Proxy failed (only) on AscenLink-6000, which caused inaccessibility to IPv6 hosts between WAN and DMZ if WAN and DMZ are configured as one IPv6 subnet. This issue happened in “Routing Mode with subnet in WAN and DMZ” and “Bridge Mode: Multiple Static IP”, but caused no damage to IPv4 network.

Mantis ID 265343

The testing result of Tunnel Routing Benchmark was incorrect on the term Bandwidth.

Mantis ID 264410

The OpenSSL 1.0.1j updated in LinkOS V7.2.0 contains the mitigation for CVE-2014-3566, the SSLv3 Poodle vulnerability. For more secure from Poodle vulnerability, actions were taken in this release:

- Disabled SSLv3 and RC4.
- Replaced SHA1/RSA certificate with SHA256/RSA.

Mantis ID 265619

The performance of Tunnel Routing transmission over multiple WAN links was poor if a large gap in latency between the WAN links. In this release, Tunnel Routing throughput was improved by adjusting sequencing queue time according to the run trip time (RTT) of WAN links. This improvement takes effect on the TR connections between the following combinations, AL-700 V.S. AL-700, AL-5000 V.S. AL-5000, AL-6000 V.S. AL-6000 and AL-700 V.S. AL-5000. Improvement on throughput of TR connections

between AL-700 V.S. AL-6000 and AL-5000 V.S. AL-6000 is expected in next release.

Firmware Upgrade Procedures

Upgrading Information

- Note that only versions later than V6.5 B4175 (V6.5 B4175 is included) are supported for upgrade to V7.2.1 B6517. For V7.0 (B5338 and B5246), please update to V7.0 B5526 **first** before updating to V7.2.1 B6517.
- System with demonstration licenses cannot be upgraded to R7.1 and later. 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, V7.0 B5526, V7.1 or V7.2.0

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 and store in a save place before upgrading (and downgrade).
- 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.

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.