AscenLink LinkOS V7.2.2 B6563

Release Notes

AscenLink Release Notes – LinkOS V7.2.2 B6563

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Revision 1

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Introduction

Summary

This LinkOS firmware V7.2.2 B6563 is the first build for Fortinet AscenLink V7.2. The important fix for the poor performance on Tunnel Routing connections between 32-bits systems and 64-bits systems is resolved in this release. Several issues which are found from internal testing are also fixed; they are about Tunnel Routing, synchronization over HA deployment and Web UI login via RADIUS. This document provides a list of resolved issues, upgrade procedures and support information of AscenLink LinkOS V7.2.2 B6563. Please review all sections of this document prior to upgrading your device.

Supported Models

LinkOS **V7.2.2 B6563** is the latest AscenLink firmware version released for AscenLink-700, AscenLink-5000 and AscenLink-6000.

Compatibility

LinkOS **V7.2.2 B6563** provides support and is compatible with all versions of LinkReport. AscenLink-6000 requires LinkOS V6.1, or higher.

Resolved Issues in V7.2.2 B6563

Mantis ID 265970

The statistics of Tunnel Status (the RX/TX Packets and Kbps) were abnormal for several seconds after a Tunnel Routing connection recovered from a dynamic IP address re-assignment. This issue only happened on the Tunnel Routing network when a dynamic WAN link (ex. PPPoE) was involved.

Mantis ID 266092

The master unit failed to synchronize Bandwidth Management configurations with the slave unit under High Availability (HA) deployment.

Mantis ID 266095

Logging to web UI via RADIUS authentication was directed to a blank page.

Mantis ID 266093

Detection of the network latency of data transmission over a Tunnel Routing network was abnormal on TR connections between a 32-bit system and a 64-bit system (AL-700 to. AL-6000 & AL-5000 to AL-6000). This abnormal detection lead to an incorrect value of network latency and caused poor performance in Tunnel Routing transmission over multiple WAN links.

Mantis ID 266198

The routing algorithm “By Upstream” for Tunnel Routing was abnormal for about one minute after TR connections recovered from a dynamic IP address re-assignment. This issue only happened on the Tunnel Routing network when a dynamic WAN link (ex. PPPoE) was involved.

Mantis ID 266200

It caused high CPU usage on AscenLink units when running Tunnel Routing Benchmark if a routing rule that Source is “Any Address” and Destination is “WAN” was applied to both AscenLink units.

Firmware Upgrade Procedures

Upgrading Information

- Note that only versions later than V6.5 B4175 (V6.5 B4175 is included) are supported for upgrade to V7.2.2 B6563. For V7.0 (B5338 and B5246), please update to V7.0 B5526 **first** before updating to V7.2.2 B6563.
- 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.x

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 safe 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.