FORTINET®

AscenLink LinkOS V7.2.17 B7964

Release Notes

AscenLink Release Notes – LinkOS V7.2.17 B7964

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Revision 2

Technical Documentation	http://help.fortinet.com
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Introduction

Summary

This LinkOS firmware V7.2.17 B7964 is the eighteenth build for Fortinet AscenLink V7.2. CLI command *resetconfig* was enhanced to support LAN port mapping while resetting configurations to factory default. Security vulnerabilities of PHP, BIND and OpenSSL were fixed and patched. Moreover, bugs of Tunnel routing and H323 passing through NAT were fixed in this release. This document provides a list of resolved issues, upgrade procedures and support information for AscenLink LinkOS V7.2.17 B7964. Please review all sections of this document prior to upgrading your device.

Supported Models

LinkOS **V7.2.17 B7964** is the latest AscenLink firmware version released for AscenLink-700, AscenLink-5000 and AscenLink-6000.

Compatibility

LinkOS **V7.2.17 B7964** provides support and is compatible with all versions of LinkReport. AscenLink-6000 requires LinkOS V6.1, or higher.

Updated Features in V7.2.17 B7964

Mantis ID 390863

A new parameter **PORT** is added to command **resetconfig** to specify port mapping to LAN port while resetting configurations to factory default. The new command format is **resetconfig [IP/MASK@[PORT]] [IP/MASK@GATEWAY]**. For example, *resetconfig 192.168.100.1/255.255.255.0@port1 192.168.200.0/255.255.255.0@192.168.100.254* will reset AscenLink's configurations to factory default but map its LAN port to port1, assign IP address 192.168.100.1 to it, and add a routing entry for packets coming from subnet 192.168.200.0/255.255.255.0.

Resolved Issues in V7.2.17 B7964

Mantis ID 390863

AscenLink mistook the H323 Helper and would result in a failure in delivering RTP packets of H323 applications if AscenLink's NAT and H323 Helper were both applied to the sessions.

Mantis ID 390857

The GRE tunnels of a Tunnel Routing network might partially go failed if the deployment consisted of more than 5 static GRE tunnels (static WAN links at the two sites) and at least one dynamic GRE tunnel (dynamic or NAT-behind WAN link at one or both the two sites). Even reapplying the configurations get the abnormal TR behavior worse.

Mantis ID 390851

The BIND package employed by AscenLink was upgraded to bind-9.10.4-P3 to fix security vulnerabilities CVE-2016-2775 and CVE-2016-2776.

Mantis ID 389210

The OpenSSL employed by AscenLink was upgraded to 1.0.1u to fix security vulnerabilities: CVE-2016-6304, CVE-2016-6305, CVE-2016-2183, CVE-2016-6303, CVE-2016-6302, CVE-2016-2182, CVE-2016-2180, CVE-2016-2177, CVE-2016-2178, CVE-2016-2179, CVE-2016-2181, CVE-2016-6306, CVE-2016-6307 and CVE-2016-6308..

Mantis ID 389191

After the value of Up Stream was changed to a WAN link (System > Network Setting > WAN Setting), the new value was not employed into the weight calculation of Tunnel Routing's By Upstream algorithm and packets were still distributed over tunnels according to old tunnel weights.

Mantis ID 387843

The PHP package employed by AscenLink was upgraded to 5.6.26 to fix security vulnerabilities such as CVE-2016-7125.

Known Issues in V7.2.17 B7964

Mantis ID 373188

One customer is reporting that BM statistics calculates an impossible traffic rate on a WAN port, which is much higher than the throughput that the AscenLink supports. We have been unable to reproduce this issue but have suspended notifications of very high traffic rates to mask this issue until it can be reproduced.

Firmware Upgrade Procedures

Upgrading Information

- Note that only versions later than V6.5 B4175 (V6.5 B4175 is included) are supported for upgrade to V7.2.17 B7964. To upgrade to V7.2 from V6.5 or V7.0, it requires an upgrade of V7.1 first (See "AscenLink V7.1 Firmware Upgrade Quick Guide", which is available from FortiCare at https://support.fortinet.com). For V7.0 (B5338 and B5246), please update to V7.0 B5526 **first** before updating to V7.2.17 B7964.

- 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.