



AscenLink LinkOS V7.2.3 B6677

Release Notes



AscenLink Release Notes – LinkOS V7.2.3 B6677

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Revision 1

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Introduction

Summary

This LinkOS firmware V7.2.3 B6677 is the third build for Fortinet AscenLink V7.2. The important updates for glibc package and OpenSSL are contained in this release to fix the vulnerabilities CVE-2015-0235 (GHOST), CVE-2014-0204 (FREAK Attack), CVE-2015-0209 and CVE-2015-0288. This release also contains fixes for the issue of Internal DNS A record answering and abnormal interruption during HA synchronization. Several issues which are found from internal testing are also fixed; they are about NAT Default Rule for PPPoEv6, Web UI login via RADIUS SVA, Notification for event VRRP takeover, requests for SNMP 64-bit counters and GET BULK requests, error-checking for duplicate naming in Multihoming. This document provides a list of resolved issues, upgrade procedures and support information of AscenLink LinkOS V7.2.3 B6677. Please review all sections of this document prior to upgrading your device.

Supported Models

LinkOS **V7.2.3 B6677** is the latest AscenLink firmware version released for AscenLink-700, AscenLink-5000 and AscenLink-6000.

Compatibility

LinkOS **V7.2.3 B6677** provides support and is compatible with all versions of LinkReport. AscenLink-6000 requires LinkOS V6.1, or higher.

Resolved Issues in V7.2.3 B6677

Mantis ID 264750

Configuration synchronization between master and slave units in High Availability (HA) mode sometimes was interrupted abnormally. Failures of heartbeat detection and takeover between master and slave units occurred in the chain reaction. System logs continued reporting the error messages "Peer heartbeat stopped".

Mantis ID 270978

The OpenSSL employed for AscenLink was updated to the latest version OpenSSL 1.0.1m which contains the fix the vulnerability CVE-2014-0204 against FREAK Attack.

Mantis ID 270505

Web UI did not check Multihoming and Internal DNS for duplicate naming among External Subdomain Record and other records (NS, A, AAAA, CName, DName, MX, TXT) while applying configurations. The name fields of NS, A, AAAA, CName, DName, MX, TXT records contain a duplicate of the sub-domain name or name server of External Subdomain Record might cause system failure.

Mantis ID 270506

The Notification function failed to send notifications via e-mail for the event "VRRP takeover".

Mantis ID 270507

A High Availability (HA) takeover between master and slave units triggered by individual port failure (enable the HA function in "Port Speed/Duplex Setting") caused damages to the WAN link status displayed in Web UI's summary page. This issue happened while the first WAN link (WAN1) is static-IP and other WAN links are dynamic-IP.

Mantis ID 270519

AscenLink's RADIUS authentication failed on RADIUS VSA verification.

Mantis ID 270510

The package glibc employed in AscenLink was updated to the latest version which contains fixes for “GHOST” vulnerability CVE-2015-0235.

Mantis ID 270512

The IPv6 NAT default rule did not function well for PPPoEv6 WAN links, which caused the PPPoEv6 connection failures.

Mantis ID 270514

AscenLink responded to a SNMP GET request with incorrect values on 64-bit counters in AscenLink-MIB if the amount of counters the interfaces had received or translated was exceeding 8GB.

Mantis ID 270515

It failed to apply the configurations of NS Record of External Subdomain Record to AscenLink's Internal DNS.

Mantis ID 270517

AscenLink's SNMPv2 failed to respond to a SNMP GETBULK request.

Mantis ID 272133

The OpenSSL employed for AscenLink was updated to the latest version OpenSSL 1.0.1m which contains the fixes for vulnerabilities CVE-2015-0209 and CVE-2015-0288.

Mantis ID 272721

AscenLink's Internal DNS is supposed to answer a hostname request with a list of entire A records belonged to the hostname (in a Round-Robin fashion) if multiple A records are configured to the host name. However, it was always only the first A record of the list being answered with. This issue had no effect on the operation if only one A record is applied to the hostname.

Firmware Upgrade Procedures

Upgrading Information

- Note that only versions later than V6.5 B4175 (V6.5 B4175 is included) are supported for upgrade to V7.2.3 B6677. For V7.0 (B5338 and B5246), please update to V7.0 B5526 **first** before updating to V7.2.3 B6677.
- 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.

