



AscenLink LinkOS V7.1 B6376

Release Notes



AscenLink Release Notes – LinkOS V7.1 B6376

December 10, 2014

Reversion 1

Copyright© 2014Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, and FortiGuard® are registered trademarks of Fortinet, Inc., and other Fortinet names herein may also be trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance metrics contained herein were attained in internal lab tests under ideal conditions, and performance may vary. Network variables, different network environments and other conditions may affect performance results. Nothing herein represents any binding commitment by Fortinet, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding written contract, signed by Fortinet's General Counsel, with a purchaser that expressly warrants that the identified product will perform according to the performance metrics herein. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. Fortinet disclaims in full any guarantees. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.

Technical Documentation

<http://help.fortinet.com>

Knowledge Base

<http://kb.fortinet.com>

Forums

<https://support.fortinet.com/forums>

Customer Service & Support

<https://support.fortinet.com>

Training

<http://training.fortinet.com>

License Agreement

<http://www.fortinet.com/doc/legal/EULA.pdf>

Document Feedback

Email: ascenlink@fortinet.com

Table of Contents

Introduction	1
Summary.....	1
Supported Models	1
Compatibility.....	1
Resolved Issues in V7.1 B6376	2
Mantis ID 253812	2
Mantis ID 256702	2
Mantis ID 257676	2
Mantis ID 257898	2
Mantis ID 257899	2
Mantis ID 257901	2
Mantis ID 257902	2
Mantis ID 258039	3
Mantis ID 258198	3
Mantis ID 258209	3
Mantis ID 258373	3
Mantis ID 258374	3
Mantis ID 258827	3
Mantis ID 263095	3
Firmware Upgrade Procedures	4
Upgrading Information	4
Upgrade procedure	4
Getting Help	5

Introduction

Summary

This LinkOS firmware V7.1 B6376 is the latest build for Fortinet AscenLink V7.1. Several issues are resolved in this release including the fixes on Tunnel Routing and the important updates of Bash and OpenSSL to fix security vulnerabilities. This document provides a list of resolved issues, upgrade procedures and support information of AscenLink LinkOS V7.1 B6376. Please review all sections of this document prior to upgrading your device.

Supported Models

LinkOS **V7.1 B6376** is the latest AscenLink firmware version released for AscenLink-700, AscenLink-5000 and AscenLink-6000.

Compatibility

LinkOS **V7.1 B6376** provides support and is compatible with all versions of LinkReport. AscenLink-6000 requires LinkOS V6.1, or higher.

Resolved Issues in V7.1 B6376

Mantis ID 253812

A mistake of identifying Remote Host ID caused function failure on Tunnel Routing if multiple TR groups are deployed over more than two units and are established with only one static IP.

Mantis ID 256702

Users failed to query Multihoming for A/AAAA records and CNAME records after restoring a configuration file which contains enabled settings of Multihoming via the Web UI page [System / Administrator].

Mantis ID 257676

The slave unit under deployment of Multihoming Backup did not function correctly.

Mantis ID 257898

IP Conflict Test in Diagnostic Tools made misjudgments of detecting IP conflict for the WAN links deployed in [Bridge Mode: Multiple Static IP] and with DHCP Range enabled for hosts in the DMZ.

Mantis ID 257899

An error message was displayed while executing IP Conflict Test in AscenLink's Diagnostic Tools via a Monitor account.

Mantis ID 257901

The Bash module employed in AscenLink was updated to the latest version which contains fixes for vulnerabilities related to Shellshock: CVE-2014-6271, CVE-2014-6273, CVE-2014-6277, CVE-2014-7169, CVE-2014-7186 and CVE-2014-7187.

Mantis ID 257902

OpenSSL employed in AscenLink was updated to version 1.0.1j which contains fixes for

vulnerabilities CVE-2014-3513, CVE-2014-3568 and CVE-2014-3567.

Mantis ID 258039

CLI command failed to enable SIP gateway module in AscenLink.

Mantis ID 258198

The DHCP function enabled for subnets deployed to a DMZ port was still detected after the associated WAN link was disabled (only happened on WAN links in Bridge Mode: One Static IP and Multiple Static IP). This mistake caused a failure to enable DHCP on the same DMZ port for other Bridge Mode WAN links; an error message “Found multiple DHCP in one port” was displayed.

Mantis ID 258209

DNAME record was not contained in the type list for Nslookup query via [System > Diagnostic Tools].

Mantis ID 258373

DHCPv6 lease information failed to display on page [Statistics > DHCP Lease Information].

Mantis ID 258374

Hosts using DHCPv6 failed to get DNS information.

Mantis ID 258827

An abnormal system reboot occurred intermittently by a particular Tunnel Routing application.

Mantis ID 263095

The load balancing algorithms “By Upstream Traffic” failed in Tunnel Routing.

Firmware Upgrade Procedures

Upgrading Information

- Note that only versions V7.1 B6141, V7.1 B6015, V7.1 B5955, 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 B6376. For V7.0 (B5338 and B5246), please update to V7.0 B5526 **first** before updating to V7.1 B6376.
- 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.

