



AscenLink LinkOS V7.2.6 B7073

Release Notes



AscenLink Release Notes – LinkOS V7.2.6 B7073

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Revision 1

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Introduction

Summary

This LinkOS firmware V7.2.6 B7073 is the sixth build for Fortinet AscenLink V7.2. This release contains the fixes for issues on Log Control and Network Setting when importing configurations for them, a fix for issue of setting configurations to factory default after system downgrading or reactivating, and the fixes for issues on the algorithm HASH used by Virtual Server, aggregated DMZ, CLI command “arping”, Multihoming A/AAAA records with IP groups configured, statistics of FQDN and Persistent Routing, and other Web UI issues. Also, the BIND package and OpenSSL employed for AscenLink were updated to new version to fix security vulnerabilities. This document provides a list of resolved issues, upgrade procedures and support information for AscenLink LinkOS V7.2.6 B6894. Please review all sections of this document prior to upgrading your device.

Supported Models

LinkOS **V7.2.6 B7073** is the latest AscenLink firmware version released for AscenLink-700, AscenLink-5000 and AscenLink-6000.

Compatibility

LinkOS **V7.2.6 B7073** provides support and is compatible with all versions of LinkReport. AscenLink-6000 requires LinkOS V6.1, or higher.

Resolved Issues in V7.2.6 B7073

Mantis ID 263407

It failed to get the response for a snmpwalk request if it was transferred to a remote SNMP server via Tunnel Routing.

Mantis ID 282801

Configurations of Multihoming and Internal DNS did not be set to factory default after system firmware was downgraded or reactivated via the CLI command "reactivate".

Mantis ID 284825

The OpenSSL employed for AscenLink was updated to the latest version 1.0.1p, to keep it current. No security fixes in this version apply to AscenLink.

Mantis ID 284946

It failed to apply configurations to Tunnel Routing via Web UI, if the Tunnel Group table on Web UI was expanded by clicking the arrow button on the left side of its header. No failures will cause if a tunnel group on the table is expanded by clicking the individual button "Show Details". This is a Web UI bug, and no damages cause to system to run tunnel routing.

Mantis ID 285393

DHCP and DHCPv6 failed if one of their optional parameters "DNS server" was specified to ALL via Web UI (selecting ALL from the drop-down menus "Domain Name Server" or "DNS Server" in Networking > LAN Private Subnet > IPv4 and IPv6 Basic Subnets).

Mantis ID 285395

It failed to display correct configurations of IP Grouping and Service Grouping on the field "E (Enable)" of "IPv6 Rules Setting" if the two Web UI pages were reloaded. This was a Web UI mistake while the configurations saved in back-end remained correct.

Mantis ID 285400

System failed to count the FQDNs employed by rules of Connection Limit for the statistics page "Statistics > FQDN".

Mantis ID 285413

Weighting the hosts of Virtual Server's server pool is not required by the server load balancing algorithms "By Connection" and "By Response Time". However, the field "Weight" was displayed on Web UI for any of the two algorithms, which was useless.

Mantis ID 285554

If an IPv6/IPv4 dual stack WAN link was changed from bridge mode (one static IP) to routing mode and re-deployed with a different IPv6 address on its localhost, Web UI page [System > Summary] remained the old IPv6 address for the WAN link in table "WAN Link State", which was incorrect.

Mantis ID 285743

An A/AAAA record of Multihoming became ineffective if its Source IP was configured as an IP group.

Mantis ID 286080

Importing a damaged configuration to Log > Control (by clicking "Import Configuration" in the Log > Control page) caused the content panel of Web UI abnormal.

Mantis ID 286101

System incorrectly displayed the segmentation information and logged users out of the CLI, if the command "arping" was executed without indicating an index for link type = wan.

Mantis ID 286990

The balancing algorithm "Hash" used for server load balancing in Virtual Server did not function properly. It frequently mapped the inbound connections to the first host of the server pool.

Mantis ID 287145

The Reports failed to process the data of IPv6 traffic passed through AscenLink. All the bandwidth reports missed the statistics of the IPv6 traffic.

Mantis ID 287721

It failed to restore the configuration of Network Setting if the configuration contained a redundant or aggregated DMZ port whose the label name was numerical and the number was greater than the amount of physical ports which the AscenLink unit supported.

Mantis ID 287727

The BIND package employed for AscenLink was updated to the latest version 9.10.2-P3 which contains the fix for the DoS vulnerability CVE-2015-5477.

Mantis ID 277775

Table “WAN Link State” in the Web UI page [System > Summary] displayed incorrect IP address of a WAN link if only WAN/DMZ Private Subnets were configured to this WAN link.

Mantis ID 287850

The Timeout value of a Persistent Routing entry in Statistics page became abnormal if all the connections of the PR entry closed at the same time.

Mantis ID 287903

An aggregated DMZ port became failed if an aggregated LAN port was configured at the same time.

Mantis ID 288195

The DHCP server failed to distribute IPv4 addresses for all the LAN private subnets configured in the table “IPv4 Basic Subnet” on Web UI except the one listed at the first position of the table.

Mantis ID 288320

It failed to reboot system by executing the command “reboot” on the AscenLink over SSH.

Firmware Upgrade Procedures

Upgrading Information

- Note that only versions later than V6.5 B4175 (V6.5 B4175 is included) are supported for upgrade to V7.2.5 B6894. For V7.0 (B5338 and B5246), please update to V7.0 B5526 **first** before updating to V7.2.6 B7073.
- 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.

