



Software
Release Notes
Version 1
P/N D211047

NetEnforcer E5.7.0

AC-400/800 Series

This document details new features, known issues and clarifications concerning NetEnforcer software version E5.7.0. This release pertains only to the AC-402 and AC-802 models with basic management.

Please check http://www.allot.com/support/support_tech_info.asp for any updates to this document.

New Features	2
New Protocols and Applications	3
Resolved Issues	5
Known Issues	6
NetEnforcer Software Upgrade Procedure.....	7

This document contains Proprietary Trade Secrets of Allot Communications LTD and its receipt or possession does not convey any right to reproduce, disclose its contents or to manufacture, use or sell anything that it may describe.

Allot reserves the right to make changes, add, remove or change the schedule of any element of this document.



New Features

Enhanced protocols and applications support

Allot NetEnforcer version E5.7.0 comes with new and improved protocols support.

The new protocols support offers major capabilities in several application domains:

- **P2P Applications** – enhanced support for existing P2P software which includes the latest encrypted P2P support (Gnutella, eDonkey, Bittorrent), minimizing misidentifications and improved identification efficiency. Additionally, support for new P2P software is introduced with this version such as Thunder, Pando & HTTP Download Manager.
- **Instant Messaging and VoIP support** – among the newly supported applications are MySpace IM, IM plus as well as improved signatures for existing IM and VoIP applications.
- **Improved support for streaming applications** – among the newly supported applications are AOL streaming, Babelgum, CNN streaming, DailyMotion, NicoNicoDouga, Kontiki and RTMP.
- **Gaming** – support for popular online games is included: QQFantasy, RuneScape, GuildWars, GameSpy, various Chinese games and more.

New Protocols and Applications

The following protocols and applications were added, or improved:

- AOL Radio
- AOL streaming
- Audio Galaxy – signature was updated
- Babelgum
- BitTorrent – improved support of classification and control of encrypted BitTorrent traffic. Improved support is implemented for the following BitTorrent clients: Azureus, BitComet and uTorrent. Additionally, the ability to distinguish between regular download traffic, encrypted download traffic and tracker traffic was added (Bittorrent Tracker and Bittorrent Enc services were added).
- CCIPTV
- CNN streaming
- DailyMotion
- DaZhiHui (Stock Market Application)
- eDonkey – the ability to distinguish between regular traffic to encrypted traffic was added (eMule Enc service was added).
- Facebook
- GameSpy
- Gnutella SSL
- GuildWars
- HTTP – signature was updated
- HTTP Download Manager
- ICQ – signature was updated
- IM Plus
- Kamun
- Kontiki
- Mercora – signature was improved
- MHXY (Game)
- MSN messenger (now named Windows Live Messenger) – signature was updated
- MSN Spaces
- MySpace
- MySpace IM
- Napster – signature was updated
- NicoNicoDouga
- Other Games - this service was created and added under the Games group and it includes games which use well known TCP or UDP ports
- Pando

- PopKart (Game)
- QianLong (Stock Market Application)
- QQ – updated signatures
- QQ Games – signature was updated
- QQFantasy (Game)
- RTMP
- RuneScape (Game)
- Skype Management – signature was improved
- Thunder
- TongDaXin (Stock Market Application)
- TongHuaShun (Stock Market Application)
- TOR
- TOR SSL (Encrypted TOR) – signature was improved
- ZhengTu (Game)

Resolved Issues

The following issues were solved or improved in E5.7.0:

- Fast Winny service appeared in acmode while not used in the product. This issue has been resolved.
- In some cases, the Radius server failed to interpret the name and only gave the ID of a VC instance. This issue has been resolved.
- Occasionally, when a real time monitor is open for a long time, there will be a slow time shift on the time stamp of the graph. The issue is fixed in this version and requires activation (as it is disabled by default). Please contact Allot customer support if needed.
- The following misclassification issues were fixed in version E5.7.0:
 - TFTP is no longer misclassified.
 - Misidentifications relate to HTTPS have been corrected.

Known Issues

- The NetEnforcer cannot recognize FTP traffic over proxy/socks when the NetEnforcer is deployed in the network, between the FTP client and the Proxy server.
- HTTP content inspection over proxy is not classified correctly when the NetEnforcer is placed between the clients and the Proxy.
- IRC file transfer over proxy is not recognized.
- Gnutella UDP service is not part of the P2P group by mistake. Users who would like to add it there, are welcome to do so.

NetEnforcer Software Upgrade Procedure

- Note The Software Upgrade Procedure may fail if your NetEnforcer/NetAccountant database is corrupted. In such cases, please consult Allot Customer Support at support@allot.com.
- Note Allot NetEnforcer software version E5.7.0 requires a new key. Please find relevant instructions for generating key in Allot KB: <http://www.allot.com/support/KBItemDetails.aspx?ItemID=5537954>

1. Download the software version from the Allot ftp site by completing the following steps:
 - Open Telnet and log in to the NetEnforcer as User Name: **root** Password: **bagabu** (default).
 - Type **mkdir E570**.
 - Type **cd E570**.
 - Type **ftp ftp.allot.com** (the IP address is **69.56.134.142**)
 - Log into the ftp site with username: **Anonymous** and password: **<YOUR EMAIL ADDRESS>**.
 - Type **cd AC-Releases/Current Versions/AC-X02/E570**
 - Type **hash**.
 - Type **bin**.
 - Type **prompt**.
 - Type **mget ***

All required files will be downloaded automatically. When the download finishes type **bye**. This will close the ftp site but leave Telnet open.

2. Type **chmod u+x ne-instl.sh**
3. Type **./ne-instl.sh**.
4. When asked if you want to retain the current policy database or install a default policy database, enter your preference.
5. When asked if you want to retain the current Accounting database or create a new Accounting database (this choice will remove pre-existing accounting information), enter your preference.
6. Users upgrading from previous versions must receive a new key in order to upgrade to version E5.7.0. You will be asked to enter the new key during the installation procedure.
7. If asked if you wish to enter a new QoS key, enter your preference.
8. The upgrade procedure could take as long as 20 minutes and then you'll be prompted to reboot the box.
9. The unit will reboot itself upon user's approval.
10. Install the new key from the **Configuration** window in the NetEnforcer GUI if not done in step 6, above.

Changing Passwords

Notes	<p>The device's root password must be changed during upgrade/install. This is done in order to restrict the access to the device's CLI only to authorized users.</p> <p>You should change the default passwords to ensure a minimum level of security. The new user name and password will be used in the NetEnforcer Log In window when accessing NetEnforcer through a browser.</p>
-------	---

You can change the login password for either the Admin user or the Monitor user. The Admin user has access to all NetEnforcer functions, while the Monitor user has read-only access. It is **strongly** recommended to change the default password. NetEnforcer might enable access from anywhere on the Internet, and should therefore be protected with a unique password.

1. In the NetEnforcer Setup Menu, enter **3** (Change password) and press **<Enter>**.
2. Enter **1** or **2** to specify the type of user whose password you want to change and press **<Enter>**.
3. Enter a new password and press **<Enter>**. The password must be between 5 and 8 characters. You can use a combination of upper and lower case letters and numbers.
4. Re-enter the password and press **<Enter>**. If NetEnforcer detects a simple password, a warning is displayed on the screen.