



Network Executive Software

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HyperIP Release 6.0.0 is a feature release that provides support for a Microsoft's Hyper-V hypervisor installations. HyperIP Release 6.0.0 is not a mandatory upgrade for HyperIP Release 5.5.1/2/3. It is available from Network Executive Software by download, and is available as a no-charge upgrade to HyperIP customers of record.

This release supports installation and operation on Network Executive Software supplied hardware appliances as well as under VMware ESX(i) server systems and Microsoft Hyper-V server systems.

FEATURES/ENHANCEMENTS ADDED WITH HyperIP RELEASE 6.0.0

- 1) Support for Microsoft's Hyper-V virtualization
- 2) Integrated Components for Windows Server 2008 Hyper-V
- 3) HyperIP for VMware installation via OVA (support for vSphere 4.0/5.0)
- 4) Reduce excessive CPU utilization for bandwidths less than 100Mb/s – additional tuning parameter for higher bandwidth requirements
- 5) New CLI commands to perform initial configuration
- 6) Raw TCPdump exports available
- 7) The layout of the following web pages changed for clarity:
 - a. Maintenance Page
 - b. Diagnostic Page
- 8) Ability to display all logs for easier diagnosis
- 9) All file uploading and downloading to/from the HyperIP is done with http/https only

FEATURES/ENHANCEMENTS ADDED WITH HyperIP RELEASE 5.5.3

- 1) VMware Tools support
- 2) HyperIP Plugin for VMware VCenter
- 3) HyperIP for VMware installation via OVF (support for vSphere 4.0)
- 4) New tuning parameter to prevent HyperIP from reducing the target transmission rate
- 5) New CLI commands to perform initial configuration
- 6) Graphs can be configured on/off and be persistent across saved configuration files
- 7) Upgrades can be performed via HTTP(S)
- 8) Support for new HyperIP Hardware Appliance model

FEATURES/ENHANCEMENTS ADDED WITH HyperIP RELEASE 5.5.2

- 1) VMware installation can be installed in as little as 5GB of disk space.

- 2) Users now have the ability to view the software version installed on the alternate partition. This information is displayed in the Display Product Information on the Maintenance page.
- 3) Users now have the ability to set the following site tuning parameter:
usercvgapq - When the receiving HyperIP is receiving duplicates at a rate consistent with the transmitting HyperIP's retransmits, this parameter should be turned on. The receiving HyperIP will then queue packets received out of order, then put them back in order to reduce the number of retransmits.
- 4) Display HyperIP State shows the number of configured and active intercepts and proxies (for all sites).
- 5) Intercepts can now be defined with a destination address on the same IP network (subnet).
- 6) All updates from HyperIP Release 5.5.1 are also included in this release:
 - Support for VMware ESX platform. The HyperIP serial number must be obtained from the virtual machine running HyperIP and then submitted to NetEx (support@netex.com) in order to obtain a license key for HyperIP optimization.
 - Enhancement for HyperIP sessions that are running over links where packets are delivered out of order (i.e. MPLS circuits).

OPERATIONAL/PROCEDURAL IMPACT

The following items highlight any operational or procedural issue(s):

- 1) Any customers running Release 5.4.6 or earlier on a NetEx appliance must upgrade via an upgrade kit (hard drive replacement) or via appliance exchange/refresh. Please contact Netex Support to order upgrade kit or arrange for exchange.
- 2) If you are upgrading from Release 5.5 (.1/.2/.3), you can download the image and install on the other partition of the hard drive, which is not currently running. Once installed, the new image can be subsequently started by selecting the other partition (and a configuration file) and rebooting the system. Once the new system is running it must be made permanent for it to run on subsequent reboots.
- 3) Default administrator (hipadmin) password is hipadmin. NetEx strongly recommends changing this password.
- 4) HyperIP Platform Serial Number is found on the Maintenance Page under Display Product Information and will be required when requesting the license key.
- 5) Because of current VMware ESX limitations, the documented usage of the USB port is not supported for VMware deployments and you must substitute alternative means for saving/restoring configurations, diagnostic dumps, etc.

DOCUMENTATION UPDATES

Updated product documentation:

- * HyperStart Guide Release 6.0.0 on VMware

- * HyperStart Guide Release 6.0.0 on Hyper-V
- * HyperIP User Guide Release 6.0.0

Check for new versions of documentation at www.netex.com by clicking on the 'Support' tab, then selecting 'HyperIP' under 'Products', then clicking on 'Docs' in the entry for this product release.

- * Release Announcement
- * HyperStart Guide on VMware
- * HyperStart Guide on Hyper-V
- * User Guide
- * SNMP MIB definition files:
 - NESi Products MIB
 - HyperIP License MIB
 - HyperIP MIB
 - HyperIP Traps MIB
 - MIB Structure

RECENT UPDATES

Check for product updates at www.netex.com by clicking on the 'Support' tab, then selecting 'HyperIP' under 'Products', then clicking on 'Updates' in the entry for this product release. If any updates are listed, follow the installation recommendations.

Refer to the HyperIP FAQ's at www.netex.com by clicking on the 'Support' tab, then selecting 'HyperIP' under 'Products', then clicking on 'FAQ' in the entry for this product release. Please refer to all Release Announcements up to and including this one for added features and/or changes to HyperIP which may affect procedures, support, or operations included in this release.

DOWNLOAD PROCEDURE

If you are a customer of record and are currently running HyperIP Release 5.4.6 or earlier, you **MUST** order the upgrade kit by contacting Network Executive Software, Inc. Support.

If you are a customer of record and are currently running HyperIP Release 5.5 (.1/.2/.3), contact support@netex.com to obtain download instructions. In order to maintain the same license you will need to upgrade from and .iso (CD image file). Be sure to identify your company name in the request, the product being requested (HyperIP), and contact information, including a name and telephone number.

If you are a customer of record and are currently running HyperIP Release 5.5.1, Release 5.5.2 or Release 5.5.3, it is not necessary to upgrade to Release 6.0.0.

END OF SUPPORT

Consistent with our support policy:

- Since this is not a mandatory upgrade from Releases 5.5.1, 5.5.2, or 5.5.3 there is no announced end of support date for Releases 5.5.1, 5.5.2 or 5.5.3 at this time.
- Releases earlier than 5.5.1 are unsupported.