



Release Bulletin 0630

IPv6 Support

Effective **December 29, 2011**– Media5 is pleased to introduce the latest changes to the products to its Mediatrix® product family – the support for IPv6 Internet Protocol on all Mediatrix products that run the Dgw v2.0 application.

Description

Supporting IPv6 is the next step in providing leading-edge gateway solutions.

Internet Protocol version 6 (IPv6) is a version of the Internet Protocol (IP). It is designed to succeed the Internet Protocol version 4 (IPv4). The Internet operates by transferring data between hosts in small packets that are independently routed across networks as specified by an international communications protocol known as the Internet Protocol.

The growth of the Internet has created a need for more addresses than are possible with IPv4. IPv6 was developed by the Internet Engineering Task Force (IETF) to deal with this long-anticipated IPv4 address exhaustion.

In addition to solving the address space problem, IPv6 improves handling of security, mobility and ad-hoc networking (dynamic addressing) issues.

Most network-related features of the Mediatrix unit receiving and sending packets on the Internet protocol shall be usable on both IPv4 and IPv6. See the IPv4 vs. IPv6 table on the right for more details.

Products that Support IPv6

All products that run the Dgw v2.0 application now support IPv6:

- ☒ Mediatrix 3000 Series
- ☒ Mediatrix 4100 Series
- ☒ Mediatrix 4400 Series
- ☒ Mediatrix LP Series

IPv4 vs. IPv6

The following table lists all the network related features of the Mediatrix unit with their availability in IPv4 and IPv6:

Feature	IPv4	IPv6
Backup/Restore transfer	☒	☒
Command Line Interface (CLI)	☒	☒
Configuration file transfer	☒	☒
Embedded DHCP server	☒	
Firmware transfer	☒	☒
IP Routing	☒	
IP Sync	☒	
Link Layer Discovery Protocol (LLDP) QoS settings	☒	
Local Firewall (LFW)	☒	
Network Address Translation (NAT)	☒	
Network Configuration (IP addresses, DNS and SNMP servers)	☒	☒
Network Firewall (NFW)	☒	
Online Certificate Status Protocol (OCSP)	☒	
Remote Authentication Dial In User Service (Radius)	☒	
SIP signaling and media transport	☒	☒
Simple Network Management Protocol (SNMP)	☒	
TR-69	☒	
WEB configuration	☒	☒

Known and Documented Restrictions

For a detailed list of known restrictions, please refer to the release notes.

Note: Every possible effort will be deployed, as part of the Media5 development process, to ensure that the known and documented restrictions mentioned above are addressed.

Product Release Definition

According to the Mediatrix development process, the Mediatrix® models with IPv6 support are GA products.

A 'General Availability' (GA) load has undergone intensive testing and validation. Most known issues identified during the testing and validation stages have been fixed, while the remaining restrictions are known and documented. The use made of Mediatrix products with a GA load must conform to product specifications and within the limits of reasonable environmental and network conditions.

Media5 shall not be liable for any loss or damage whatsoever caused directly or indirectly in connection with Mediatrix products making use of a GA firmware load, except to the extent to which it is unlawful to exclude such liability under the applicable law.

Moreover, Media5 excludes liability for any indirect, special, incidental or consequential loss or damage, which may arise in respect of Mediatrix products using a GA firmware load, or for loss of profit, business, revenue, or anticipated savings.

Mediatrix products are suited for controlled environments and networks where voice quality is in direct relation to network conditions. Network must have reasonably low delay, low packet loss rate and low network jitter. Media5 does not guarantee voice quality where network norms do not meet the conditions enumerated above, whether in public or private networks.