

DC-IP ROUTING MULTICAST



METASWITCH'S DC-PIM AND DC-IGMP/MLD PRODUCTS ARE ARCHITECTED FROM THE GROUND UP TO ADDRESS THE SCALE AND RELIABILITY REQUIRED BY TODAY'S INTERNET ROUTERS. COMPLEMENTARY PRODUCTS AND DEVELOPMENT TOOLKITS PROVIDE A COMPLETE SOLUTION THAT DRAMATICALLY REDUCES PROJECT COSTS AND TIME TO MARKET FOR COMMUNICATIONS EQUIPMENT VENDORS.

DC-IP ROUTING MULTICAST FEATURES

PIM AND IGMP/MLD

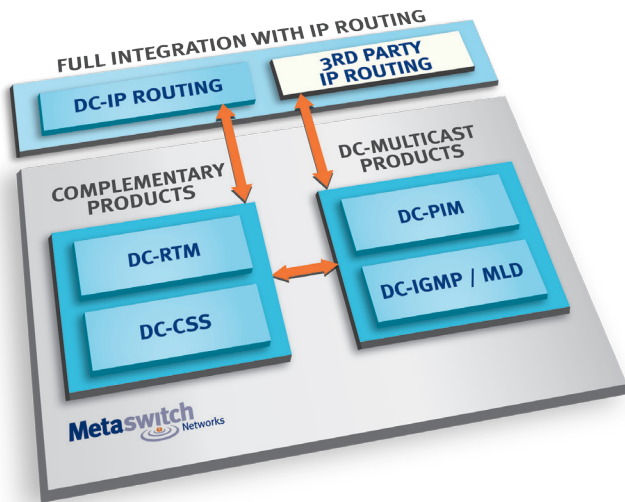
The flexible design of Metaswitch's multicast products allows communications equipment vendors to build tailored solutions that maximize a router's differentiation. For example, the modular architecture enables router components to be distributed over multiple hardware locations, and every component may be interchanged with in-house or third party technology.

The Metaswitch Multicast IP Routing products support re-routing of multicast paths around failed nodes, and support non-stop forwarding to prevent data loss during node restarts. DC-PIM and DC-IGMP/MLD are also integrated with DC-CSS, which is an optional toolkit that increases system availability through advancements in management of configuration information.

DC-PIM and DC-IGMP/MLD are IPv6 compliant, and pre-integrated with all of Metaswitch's IP routing and complementary products including DC-OSPF, DC-ISIS, DC-BGP, DC-RIP, DC-RTM, and DC-CSS.

IP ROUTING MULTICAST TOOLKIT

- **Source Code** - protocol source code including numerous customization options
- **High Availability Framework (HAF)** - off-the-shelf framework for fault tolerance and replication
- **Configuration Safe Store (DC-CSS)** - optional package for offline maintenance of configuration information
- **Diagnostics** - extensive tools for assisting development including problem reporting, IPS tracing, memory verification, internal tracing, memory tracing, and internal checking
- **CAM Tool** - Configuration And Management tool provides runtime and test environment; simulates IP Router environment
- **SMS Tool** - Sample Management Stubs tool provides examples of system initialization and integration with external management
- **Documentation** - written by engineers and maintained by professional documentation specialists



CUSTOMER BENEFITS

REDUCED RISK AND COST

- Extensive IETF RFC and draft compliance
- Widely deployed IP Routing Multicast solution
- Field-hardened with well-proven interoperability
- Over 20 years of experience delivering routing technologies
- Backed by a stable and financially self-sufficient corporation

REDUCED TIME TO MARKET

- Proven portability
- Pre-integrated solutions for Linux, OSE, VxWorks, Windows
- Straightforward integration with management and dataplane system components
- Pre-integrated with other Metaswitch products including MPLS, IP Routing Unicast, and Configuration Safe Store
- Toolkit and diagnostics reduce integration and test cycles

FLEXIBLE INTEGRATION OPTIONS

- Independent protocol modules
- Modular architecture; easily deployed on multicore processors, multiple processors, multiple cards, or distributed architectures
- Published and well maintained APIs

CARRIER GRADE SCALE AND RELIABILITY

- Thousands of peers, interfaces, and sources
- Millions of groups and routes
- No single point of failure
- Redundant instances of DC-RTM
- Scalable algorithms ensure extreme efficiency

WORLD CLASS SUPPORT

- Support team is staffed by senior engineers who developed DC-IP Routing Multicast
- Unlimited support with firm contractual response and resolution times
- All levels of code supported; fixes back applied to customer code level
- Education courses available at customer site

ABOUT US

NETWORK TECHNOLOGIES OF METASWITCH

Metaswitch Network Technologies provides networking software stacks and solutions to OEMs and system vendors worldwide. Formerly known as Data Connection, Network Technologies is the genesis of Metaswitch Networks from which our core values of reliability, quality, exceptional support and innovation were born.

We take a long-term approach at Network Technologies which is exemplified by our 25-plus years of service to the industry. Network Technologies builds strategic, lasting customer relationships, designs future-proof product architectures, and believes that a sustainable, successful business is in the best interests of our people and our customers.

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