



Streaming Fountain™

Product Overview

Streaming Fountain enables Fortune 2000 companies, content providers, educational institutions, and government agencies to efficiently deliver high-demand, content-rich media streams via their Intranet, Extranet, or the Internet. High-impact corporate communications can now be provided on-demand to thousands of employees, sales representatives, channel partners, and customers. On-demand flexibility allows everyone to get the content whenever they want it, no matter how many other concurrent users are accessing that content. Network and server planners no longer have to worry that the content may be too large or too popular for the network to handle.

Streaming Fountain consists of two powerful components:

- The Fountain Server – A turnkey, high-horsepower server that replaces racks of conventional servers, and delivers true media-on-demand to up to 10,000 concurrent unicast users or 60,000 multicast users, all in a compact 3RU appliance. The Fountain Server is the first streaming solution that takes advantage of bandwidth savings of multicast for on-demand application.
- The Fountain Plug-in – Client software that integrates with existing media players (Windows Media™ Player, RealPlayer®, QuickTime™ Player) and supports standard media formats (MPEG, WMV, MP3, RealVideo®, and more).

Streaming Fountain delivers these significant benefits:

- Achieves the lowest total cost of ownership. Requires fewer servers to manage, significantly smaller space, and lower power consumption.
- Eliminates guesswork on server and network capacity.
- Reduces the time your IT professionals spend installing, configuring, and maintaining servers.
- Works with existing network infrastructure (Gigabit Ethernet and Fast Ethernet).
- Integrates with all major streaming media players and all major browsers.
- Supports content protection offered by Microsoft Digital Rights Management (DRM).



PRELIMINARY v. 1.9

Technical Features

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| • Uses DF Meta-Content™ technology to achieve server and network scalability. |
| • Can be managed through a Web GUI, CLI, and SNMP. |
| • Can be monitored remotely when OS is down or the server has lost power. |
| • Alerts when system is down or overloaded. |
| • Monitors and reports real-time information and historical usage. |
| • Exports log files to W3C format for external reporting tools. |
| • In multicast, output bandwidth remains stable regardless of the number of users. |
| • Automatically retrieves and installs client software updates. |

Product Specifications

Performance

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|------------------------------------|---|
| Total Server Output | Up to 4.8 Gigabits per second |
| Unicast Streams Supported | Up to 10,000 VHS-quality (300 kbps) or 4,000 DVD-quality (700 kbps) |
| Multicast Streams Supported | Up to 60,000 |
| Total Content Capacity | 15 Gigabytes; e.g., 110 pieces of VHS-quality content, or 50 pieces of DVD-quality content. |
| Active Content Capacity | 30 pieces of VHS-quality content, or 10 pieces of DVD-quality content |

Network Interface

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| Output Streaming Interface | Gigabit Ethernet x 2, 4, or 6 1000 BASE-SX Multi-Mode Fiber Interface and SC connection |
| Management Interface | Fast Ethernet |

Client

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|-----------------------------------|--|
| Client OS | Windows 98, NT, 2000 |
| Minimum System Requirement | Pentium II 200MHz, 32MB Available RAM |
| Fountain Plug-in Size | 400 Kilobytes |
| Supported Browser | Microsoft® Internet Explorer 3.0 and later, Netscape® Navigator 3.0 and later |
| Supported Media Formats | MPEG1, MPEG 2, MP3, ASF, WMV, WAV, RealAudio®, RealVideo®, QuickTime, MOV |
| Supported Media Players | Windows Media Player version 6.x or 7.0, RealPlayer version 8, QuickTime version 4 |

Physical Specifications

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|-------------------------------|--------------------------------------|
| Dimensions (H x W x D) | 3U (5.1 x 19 x 24.6 in) |
| Weight | 55 lbs |
| Power | 100-240 VAC, 50/60 Hz, 305 Watt Peak |

Operating Environment

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| Temperature | 50° to 95° F / 10° to 35° C |
| Humidity | 8% to 90% non-condensing |

Regulatory

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|---------------|------------------|
| Safety | UL, CSA, VDE, CE |
| EMI | FCC Class B |