Fort Hill EdgeSystem Ô v.2.0

Data Sheet

TODAY, BUSINESS-CRITICAL INFORMATION IS A STRATEGIC ASSET. THE ABILITY TO SELECTIVELY DELIVER AND UTILIZE THAT ASSET CAN BE A CORE COMPETITIVE ADVANTAGE.

Intelligent Management of Content Delivery

The Fort Hill EdgeSystem intelligently identifies and selectively pre-positions business-critical information from any network location – data center, remote office, or Internet - to the edges of the corporate network. The most important information, including file data, rich media, web application and portal content, is placed closer to users ahead of demand, ensuring a consistently superior user experience anywhere in the network.

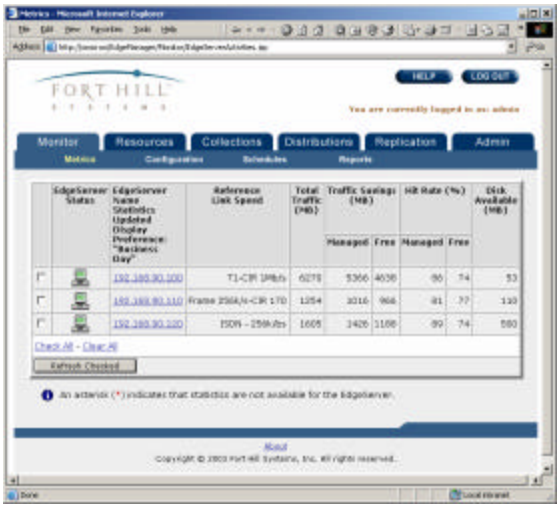
The EdgeSystem efficiently employs existing WAN bandwidth and robust edge manageability, including rich monitoring of the edges, to put corporate IT back in the driver's seat with simplified central management and precision control of its worldwide traffic patterns and information flow – thereby enabling better managed utilization of their existing WAN infrastructure.

How Intelligent Management Works

The EdgeSystem gleans metadata about vital corporate web and file data from multiple network sources - including server access logs and agents, edge logs, crawlers, applications and manual input. The EdgeSystem activates sophisticated distribution policies and rules that heuristically determine the best information to pre-position. The EdgeSystem dynamically learns from on-going usage patterns to automatically tune future deployments.

Fort Hill EdgeSystem Components

The EdgeSystem has two primary components. The **Fort Hill EdgeServer**Ô pre-positions requested data to the edges of the network, allowing remote users quick access to relevant information. The **Fort Hill EdgeManager**Ô is a policy server that intelligently identifies and selects appropriate information for edge replication by EdgeServers. The EdgeManager includes a web-based administrator interface to auto-discover, select, distribute, monitor and manage content throughout the network, including remote locations. An EdgeSystem deployment typically consists of EdgeServers installed at all remote offices and one EdgeManager positioned in the corporate data center.



EdgeServer statistics detail screen

Key Features

- Automatically pre-positions business-critical information to the edge to ensure the optimum user experience
- Identifies hot content for prioritized deployment while enabling true enterprise-wide information mobility
- Uses a comprehensive set of solution methodologies to identify priority content for edge replication
- Employs a sophisticated rules-based policy engine to develop detailed information-specific parameters that determine optimal distribution and ensure freshness
- Automatically manages information freshness and coherency
- Offers an open "edge services" platform that supports emerging services such as advanced content filtering and virus scanning
- Seamlessly integrates with leading content, storage management and key enterprise software solution vendors to create a superior end-to-end managed content delivery solution
- Remotely controllable via a robust web-based management console

Benefits

ROI is readily recognized through first mile, network and last mile

- Leverages existing IT infrastructure to enable enterprise-wide information mobility and better manage end-to-end WAN utilization
- Avoids WAN infrastructure growth through efficient management and utilization of WAN bandwidth
- Reduces remote office build-out costs
- Frees capacity in the WAN infrastructure
- Improves quality-of-service and enterprise user satisfaction
- Increases employee productivity

Features

Intelligent Management of Content Delivery

- Automatic Pre-positioning of Data – The EdgeSystem distributes information to remote locations that require it in advance of requests, saving both time and bandwidth.
- Dynamic Learning and Adaptation – Based upon analysis of the statistics gathered at both the origin servers and the EdgeServers, the EdgeSystem learns what it needs to pre-position. The EdgeSystem then adapts itself to the changing demand for data in the network.
- Automatic Freshness Policies – Freshness policies automatically work to ensure the content is maintained as prescribed by the administrator.
- Content Discovery – Web servers can be "discovered" or searched and the resulting information analyzed to determine what content, if any, needs to be pre-positioned. This enables administrators and content publishers to more effectively control large quantities of information.

Powerful Management

- Web-based GUI – The EdgeSystem is easily administered via a powerful, web-based user interface accessible from anywhere on the corporate network.
- Edge Performance Monitoring – Consolidated or individual EdgeServer performance and usage patterns can be centrally monitored, enabling IT organizations to manage and tune their network-wide information flow.
- Edge Data Logging – The EdgeSystem consolidates in one central location detailed EdgeServer logs on access patterns for analysis by standard data mining tools.

Easy Administration

- Data Mining and Filtering – Selected information can be "collected" from a variety of sources and managed as a single entity, and rules can be automatically assigned to entire collections of data.
- Windows-based – EdgeServer runs as a Windows Service and uses standards-based management methodologies that leverage the many popular tools available on the Windows platform. May be installed on existing file/print servers.
- Turnkey Software – The EdgeSystem offers the ease of management of an appliance with the scalability, expandability and extensibility of a software solution.

Security

- Multi-Protocol Authentication – EdgeServer transparently supports Basic, Digest, LDAP and NTLM authentication schemes to authenticate against a single NT server or an NT trusted domain.
- Access Control – Multi-level access control to EdgeSystem management and operating functions protects against unauthorized access to the system.

Rich Content Support

- Business Critical Information – All types of digital web and file information are viewable on the remote LAN with the same quality as if the user were accessing the origin server directly.
- Location Independence - EdgeServers retrieve data from any location on the intranet, extranet or Internet, including corporate data centers, remote offices, and the Web.

Efficient Content Delivery

- Bandwidth Throttling – EdgeServers self-limit network usage to prevent bandwidth saturation.
- Assured Freshness – Freshness of replicated information is checked at customizable intervals, assuring served information is always fresh.

Seamless Integration & Interoperability

- Standards-based Solution – EdgeSystem runs on industry standard hardware and operating systems.
- Computer Associates BrightStor Portal Integration – The entire EdgeSystem can be managed via CA's enterprise portal platform.
- Documentum eBusiness Integration – Content Publishers can pre-position to the network edge information tagged using the Documentum eBusiness platform.
- WCCP Router Interoperability – The EdgeSystem operates transparently with WCCP-compliant routers.
- SNMP Interoperability - Host MIB SNMP support provides interoperability with Network Management software.

Performance Metrics

- Peak Throughput – More than 40 megabits/second and 660 requests/second.
- Large Deployments – Supports multiple EdgeSystems, each composed of an EdgeManager directing up to 36 EdgeServers, collectively managing up to 3.6 million objects.
- Fast Restart - Up and running and serving a cache hit within 2.5 minutes after a power outage.

Minimum System Requirements

The EdgeSystem is easily installed and starts automatically on reboot. System components run on industry-standard Intel servers.

	EdgeManager:	**EdgeServer:**
CPU Type	Intel Pentium 3,4 or Xeon	Intel Pentium 3 or 4
CPU Speed	600 MHz	600 MHz
RAM	1 Gbyte	500 MByte
Disk Capacity	18GByte	18 GByte
Networking	10/100/1000 Ethernet	10/100/1000 Ethernet
O/S	RedHat Linux 7.3	Windows 2000 or NT 4.0 Server

About Fort Hill Systems

Fort Hill Systems develops network solution software that dramatically improves the delivery and management of business-critical information to remote offices. The Fort Hill EdgeSystem manages the flow of network data, providing IT with improved WAN scalability without additional investment in WAN infrastructure.