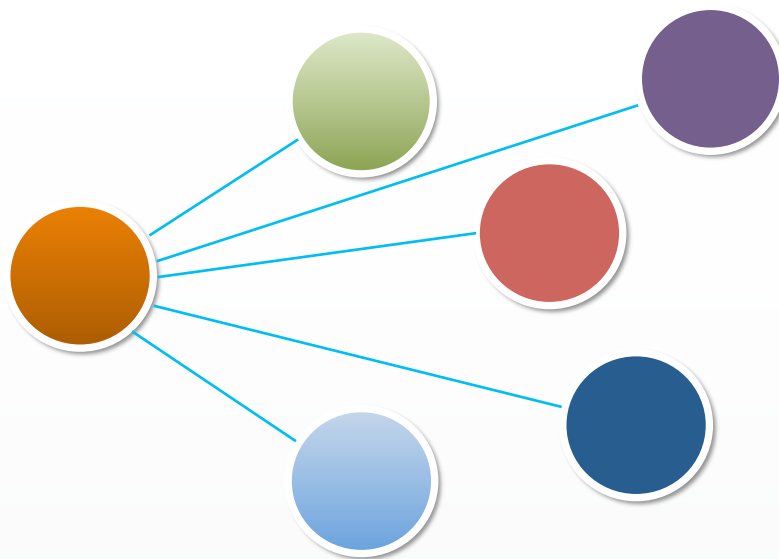


HS FILE BROADCAST SYSTEM

Reliable and accurate delivery of digital packages



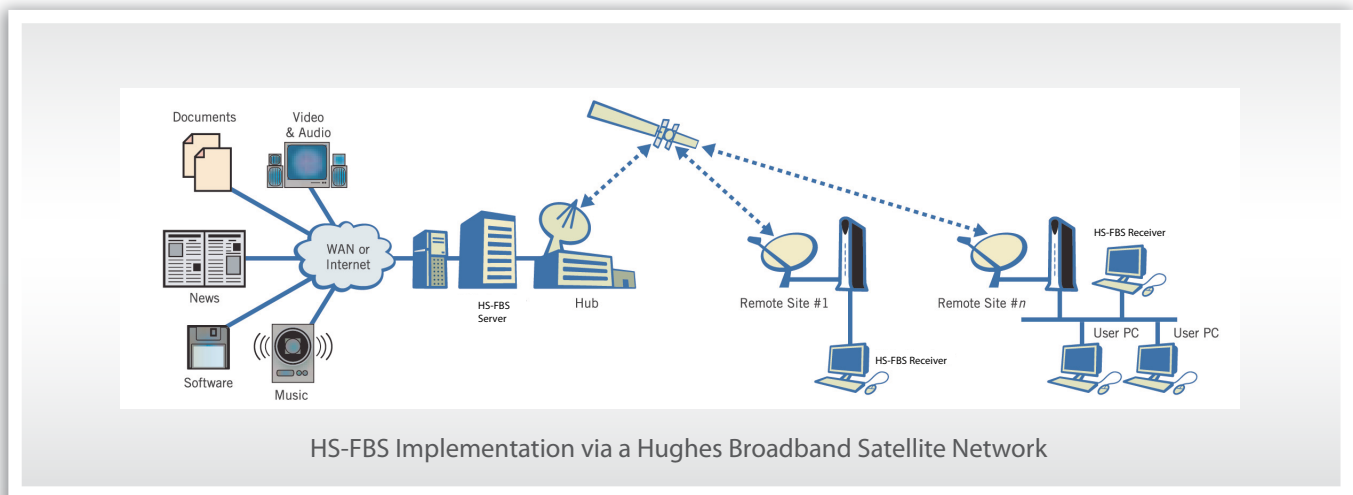
Applications

- Electronic Software Distribution
- Database Replication
- Corporate Literature & Demos
- Transmission of Critical Information to Field Offices
- Distribution of Multimedia Information to Local Servers
- Website Mirroring & Pre-caching
- Radio, TV and Print Advertising
- News Stories, Images & 3D Walkthroughs
- Medical Imaging Files & Video
- Replication of Webservers to Edge of Network for Improved Performance
- Weather Images & Radar Screen Animations
- Mapping & Geodesic Information

The HS File Broadcast System (HS-FBS) is a solution that provides a convenient, quick and accurate mechanism to multicast digital packages. It provides a value-added service for Internet Service Providers (ISP), content providers and distributors that gives them a "first-to-market" advantage with a new and creative service. HS-FBS is designed as an IP-based, stand-alone software package that can be used in any networking environment, as well as integrated with broadband satellite terminals developed by Hughes or other manufacturers. HS-FBS takes advantage of the broadcast nature of satellite communications to greatly reduce the cost of receiving, in parallel, digital packages by all sites in a network. The HS-FBS Web-based user interface simplifies the process of creating and scheduling packages for delivery while monitoring and verifying the package delivery process.

How Does HS-FBS Work?

The provider of the information sends a package to the directory at the HS-FBS server location. The HS-FBS server stores the package until it is ready to be distributed to designated locations. The information provider specifies the list of recipients and the time to submit the package for delivery. The HS-FBS server transmits the package to all designated locations simultaneously. At each location the package is delivered to a customer's PC, Server or other device, which is equipped with an HS-FBS client application. Each HS-FBS client can confirm to the HS-FBS server that the package was received successfully. Upon confirmation of delivery to all recipients, the HS-FBS server sends a status report to the information provider's email address.



Features and Benefits

- Supports IP unicast and multicast
- Provides simultaneous transmission
- Includes auto-scheduling
- Transmission rate control (10 kbps to 9 Mbps)
- Package prioritization
- Auto-retransmission of lost packets
- Delivery confirmation, logs and email status reports
- Post-processing executable support
- FEC (Forward Error Correction) for one-way transmission
- GUI, Web-based and command-line administrative user interfaces
- Package management, SNMP and FTP support
- Hot standby for high-availability networks
- Flexibility - HS-FBS works on multiple OS platforms
- API for integration with other applications
- Optional auto-rebroadcasts
- Optional use of signatures for highest security

HS-FBS Offers

The HS File Broadcast System offers increased productivity with reliable and accurate package transmission. It helps reduce time and the cost of using telecommunication equipment, space segment, etc. Its intuitive user interface makes it easy to deploy, manage, use and support. The comprehensive security features protect customer's sensitive data while providing delivery assurance. In addition, HS-FBS scales to an unlimited number of recipients with no increase in bandwidth or time.