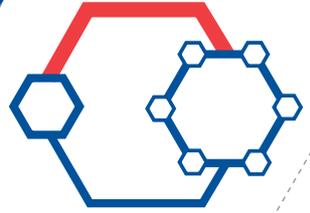


UDpush

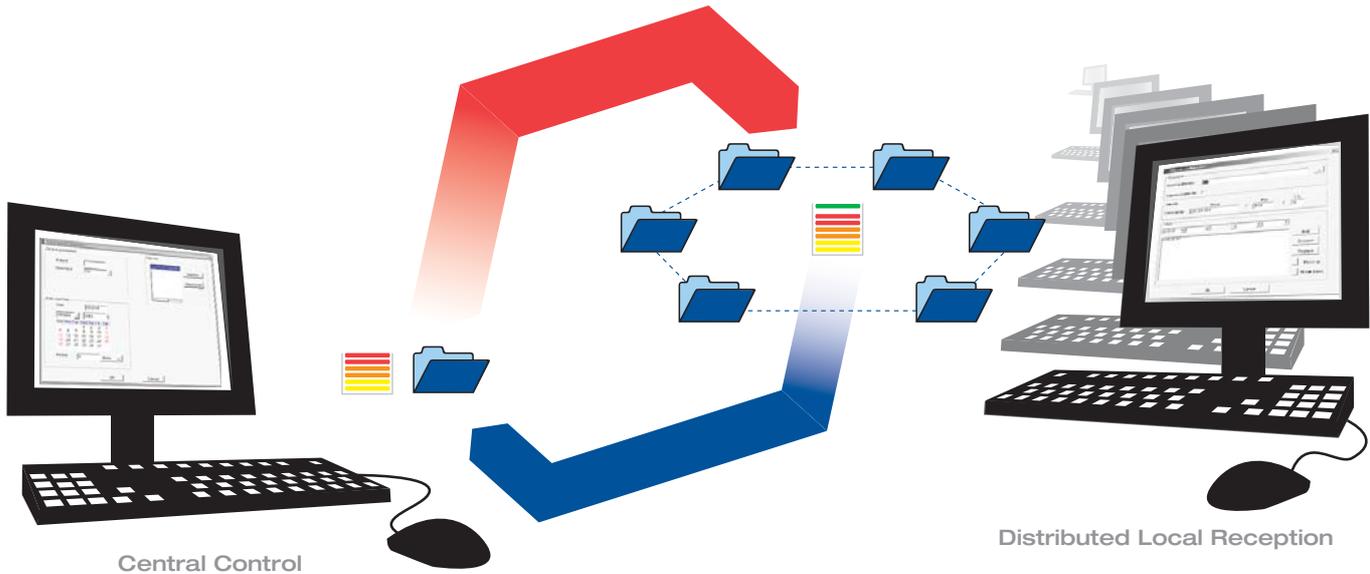
Solution for multicast networks

Software/Application enabler

- + Reliable multipoint data transfer
- + Scalable, content delivery



UDpush

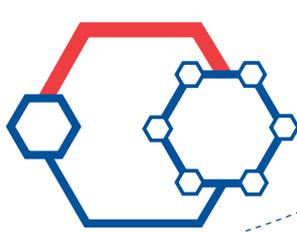


01 Description

The **UDpush** software provides a fully scalable and reliable multi-point content distribution solution, with full transfer delivery management options.

Based on a robust IP multicast data transfer algorithm and a unique dynamic forward error correction mechanism, **UDpush** provides the user with both bandwidth efficiencies across many thousands of receivers, and a high level of control over content types, priorities, scheduling and reporting. **UDpush** can be used as a stand-alone application or can be embedded within either appliances or external applications.

Thanks to **UDpush** being a true IP multicast delivery solution, it can be deployed with IP standards based security solutions. **UDcrypt** is the ideal complimentary product being both standards based, and specifically conceived for IP multicast traffic. This dual architecture provides protection for all types of data, independently of any application-specific information protection.



UDpush

02 Features / Benefits

+Reliable, true multicast content distribution

- . Multi-point content transfer based on an end-to-end IP multicast infrastructure
- . Scalable multi-receivers to multi-senders dynamic feedback control
- . True quality of service mechanisms based on standard multicast group differentiators

+Unique dynamic error correction mechanism

- . Optimized goodput/receiving quality ratio based on a dynamic FEC (Forward Error Correction) algorithm
- . Optimized global goodput quality diversity ratio by isolating receivers with poor reception
- . Selective data retransmissions when required

+Full transfer management options

- . Integrated information transfer scheduler
- . Priority management and quality of service based queue management
- . Transfers managed by sub-groups of receivers

+Compatibility with external applications

- . Full scripting tool allowing applications to easily control transfers
- . Software Development Kit with API for a complete application integration
- . Standard MIME file type management to push files directly to specific external applications at receivers
- . Full Windows® NetBios and Unix® NFS based file system integration

+Multi-mode usage

- . Active (with return link) and passive (no feedback loop) modes supported in parallel
- . All-in-one or distributed platform with IP backhaul using standard XML format
- . End user and service provider bandwidth control based on intelligent QoS, supporting absolute and relative priorities

03 Usage

The **UDpush** software solution can be used for a wide range of services and revenue models. This unique flexibility helps by adding value into the global content delivery chain.

+Service provider

- . Managed information delivery is possible by packaging UDpush with content aggregation applications in specific appliances
- . Extension of the business model to multiple customer categories, using one UDpush transmitter across multiple delivery services

+Corporate/Integrator

- . On demand or application driven content delivery: database, mailings, virus signature, mirroring, push to caches
- . Proactive pre-programmed data transfer, such as batch deliveries
- . Reactive multi-site update: immediate universal response to security alerts

04 Integration

+Integration within the UDcast product suite

UDpush is directly applicable to any multicast-enabled network. UDpush can be deployed on terrestrial, broadcast or hybrid networks. When associated with UDLR and UDrouteicast, UDpush can even be deployed on top of a unicast network, creating a multicast content delivery WAN-overlay platform. UDpush includes specific improvements for hybrid, asymmetric network architectures, and seamlessly fits with UDcast's complimentary security products (UDcrypt for multicast traffic encryption, UDauth for receiver authentication).

+Integration with the customer's environment

UDpush can be easily deployed on any existing multicast infrastructure. Traffic backhaul feature extends reach to non multicast-enabled end-customers. Integrated security can be provided as a complete package or integration within an existing certificate authority is also possible. When needed, a shared file system provides transparent access to the UDpush facility.