

Datasheet

FUJITSU Software

Interstage Information Integrator V11

An innovative WAN optimization solution to bring out maximum network performance

Enterprise-class WAN optimization

FUJITSU Interstage Information Integrator (III) is software designed for speeding up a broad range of TCP/IP applications between datacenters, branch offices and clouds. It uses Fujitsu's proprietary WAN optimization protocol to solve network quality and distance challenges. FUJITSU III delivers the following benefits:

- Accelerate the performance of centrally hosted applications
- Improve user experience and boost productivity
- Avoid expensive WAN upgrades and reduce network costs
- Enable key IT initiatives using cloud

Innovative technologies

FUJITSU III utilizes a powerful combination of Fujitsu patented network optimization technologies (RPS, UNAP, R-TSP) to achieve WAN optimization. Key Fujitsu technologies include:

- **Random Parity Stream (RPS):** Patented technology for UDP to recover data that has disappeared when packets are lost. It maximizes data transfer speed even on low-quality networks.
- **Universal Network Acceleration Protocol (UNAP):** UDP-based high-performance protocol with proprietary technologies that control unnecessary packet retransmission. It accelerates data transfer speeds especially on high latency networks.
- **Reconfigurable-Transport (R-TSP):** Dynamic protocol selection technology that measures and analyzes network conditions in real time and dynamically selects the most suitable communication method.

Applicable to a broad range of applications

- File sharing applications, such as Windows CIFS
- Web-based applications (HTTP/HTTPS)
- Collaboration applications, such as Microsoft SharePoint
- Backup and replication applications from leading vendors
- Virtual Desktop Infrastructures (VDI) applications, such as Citrix XenDesktop
- Unified communications applications, such as VoIP, video conferencing, video streaming
- Other TCP/IP applications, such as ERP, CRM

Complete network security

FUJITSU III encrypts data that flows over the network. AES encryption algorithm ensures data security with only a small impact on network performance.

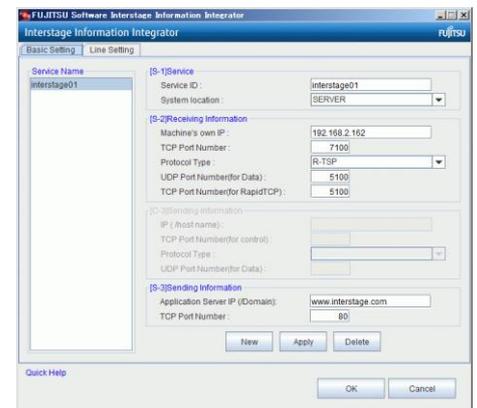
Unlike other WAN optimization appliances, FUJITSU III uses proprietary protocols that do not employ caching techniques. This prevents any possible leak of sensitive information from cached data on local storage.

Quick and flexible deployment

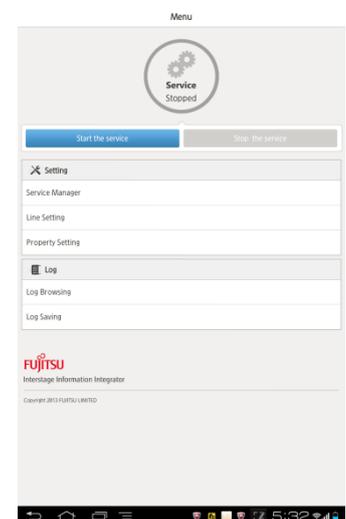
FUJITSU III can be deployed with virtual in-path (using packet redirection) or out-of-path configuration. It can be connected anywhere in the LAN, and deployed with a redundant configuration for mission-critical networks.

Access from anywhere, anytime, on any device, over any network

FUJITSU III provides comprehensive platform support from mobile workers to large-scale datacenters. Due to a small footprint, it can be comfortably used on mobile devices such as smartphones and tablets.



Windows management screen



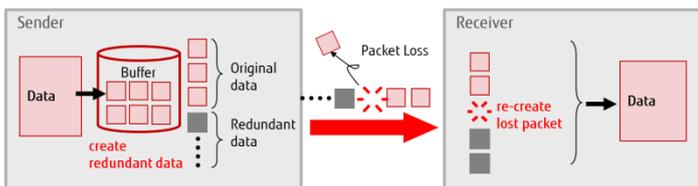
Android management screen

Main features	Benefits
<p>WAN optimization technologies</p> <ul style="list-style-type: none"> ■ RPS / UNAP: Fujitsu's proprietary UDP-based technology for network optimization ■ R-TSP: automatically selects the most suitable communication method based on the network quality ■ Dynamic bandwidth control: regularly checks the status of the network and actively controls the bandwidth 	<ul style="list-style-type: none"> ■ Accelerates data transfer speeds even on low-quality and high-latency network environments ■ Guarantees the best access for each application flow and maximizes application performance ■ Minimizes the impact on other important traffic and utilizes existing network bandwidth in the most efficient way

RPS (Random Parity Stream)

RPS uses a technology to create redundant data when it is encoded. If the packet is lost, it can restore any data using redundant data and avoid packet retransmission.

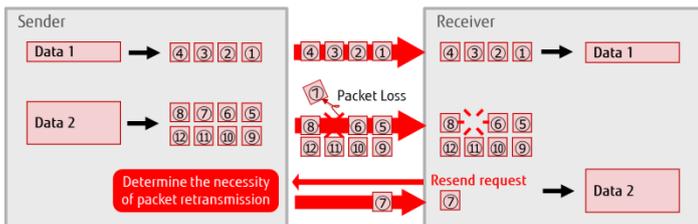
RPS technology is the perfect solution for environments where packet loss rates are high. This is because RPS does not need to retransmit the lost packets, allowing the network load to be kept at a low level.



UNAP (Universal Network Acceleration Protocol)

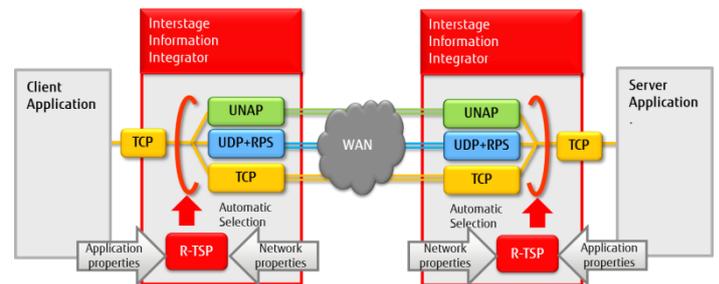
UNAP is a technology that can identify the reason why there may be a delay in delivery (packet loss, or temporary congestion on the network). If it determines the reason is packet loss, it will then retransmit the lost packet.

UNAP technology can help those environments where network latency is high. Additionally because UNAP doesn't have encode and decode process, its overhead is few and CPU utilization can be kept at low level.



R-TSP (Reconfigurable-Transport)

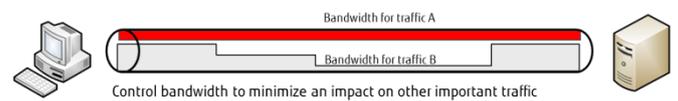
R-TSP (optimizing communication technology) automatically selects the best available communication method from TCP, RPS, and UNAP according to the network characteristic.



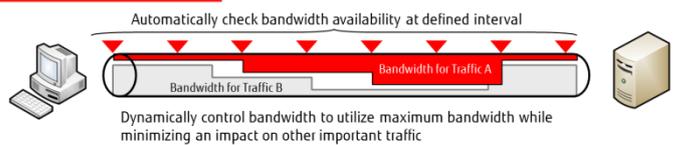
Dynamic bandwidth control

FUJITSU III regularly confirms an available bandwidth on the network and handles the bandwidth dynamically. Available bandwidth is used to its maximum, while the influence on other important traffic is minimized.

Static bandwidth control



Dynamic bandwidth control



Supported Environment

Operating System	Windows	Microsoft Windows Server 2003, 2008, 2012, Microsoft Windows Vista, 7, 8
	Linux	Red Hat Enterprise Linux 6
	Solaris	Oracle Solaris 10, 11
	Android	Android OS 4.0, 4.1, 4.2
Network type and technology		Broadband internet, Wireless networks, Satellite networks, Leased line, IPsec-VPN, MPLS-VPN

Contact

FUJITSU LIMITED
 Website: www.fujitsu.com
 2013-10-07 WW-EN

© Copyright 2013 Fujitsu Limited
 Fujitsu, the Fujitsu logo, Interstage, PRIMERGY, PRIMEQUEST are trademarks or registered trademarks of Fujitsu Limited in Japan and other countries. Other company, product and service names may be trademarks or registered trademarks of their respective owners.
 Technical data subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner.