

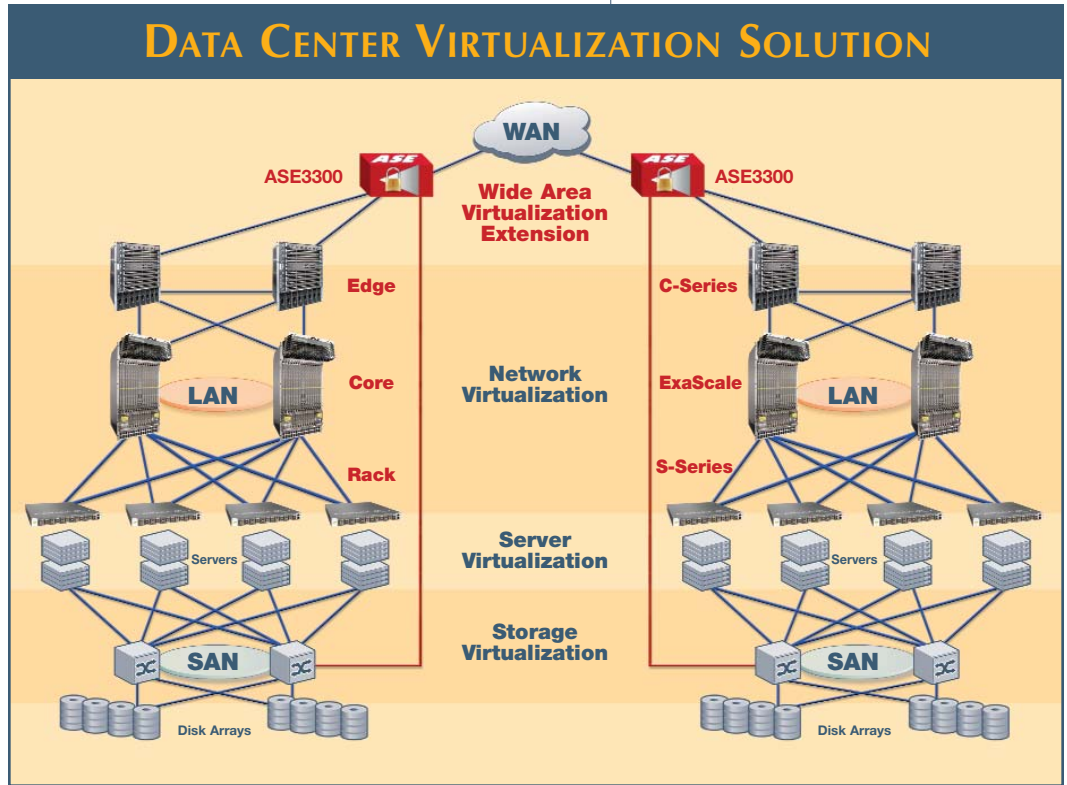
- Encryption as a Service
- Ethernet private line optimization
- Fixed wireless access optimization

Data Center Interconnect Optimization

Data Center Services Access/Delivery Optimization

Data Center Infrastructure Virtualization for MSPs & Enterprises

New Business Service Delivery Over Ethernet or IP Networks (DR, BC, SAN, IaaS, etc.)



Force10 and AFORE Optimized Intra and Inter Data Center Solution

Force10 and AFORE is the first networking solution to target wide area virtualization extension. Extending virtualization across wide area networks enables application mobility and maintains connectivity to local storage area networks (SANs). Virtual Machine (VM) migration enables improved application performance, availability and reduces costs.

The Force10 and AFORE ASE3300 solution enables both enterprises and cloud computing service providers to establish extended virtual data centers, paving the way for advanced hosting and managed service offerings. Together, this innovative solution also allows customers to connect distributed data centers, improving application performance, high availability and reliability. These capabilities were previously only possible with intra-data center VM migration.

The combined solution delivers best in class performance and density for Core to Edge, Core to Rack, and Core to HPC, while enabling the data center virtualization evolution and addressing wide-area interconnectivity challenges.

Key Capabilities

Native Ethernet and Fibre Channel Support: Simultaneously support gigabit rate Fibre Channel (FC) and Ethernet interfaces facing the data center, with flexible wide area interfaces. SAN-XTEND stretches native FC protocol thousands of kilometres without performance penalties.

Lossless & Secure Wide Area Network Performance: VirtualFIBER technology provides gigabit rate wide area packet loss re-ordering and error correction, improving upper layer application and protocol performance. Secure data transport for all protocols with CryptoWIRE AES256-bit end-to-end encryption.

Dynamic Packet Re-Sizing: perform Ethernet segmentation and re-assembly with VirtualWIRE technology to seamlessly transport jumbo frames over any wide area network.

ASE3300 Service Delivery Platform

ASE3300 enables both enterprises and cloud computing service providers to establish extended virtual data centers, creating new levels of availability and paving the way for advanced hosting and managed service offerings.

ASE3300 provides ultra low latency and negligible jitter, key requirements for long distance extension of virtualized storage and computing over any wide area network including IP/MPLS and Ethernet. Supporting high availability and advanced performance with SLA monitoring capabilities, the ASE3300 allows enterprises and cloud computing service providers to establish extended virtual data centers and create new levels of service availability.

AFORE ASE3300

Wire-Speed Data
Compression &
Encryption

Packet Loss Recovery
& Error Protection

Native Ethernet and
Fibre Channel Support
with Integrated
Distance Extension



Jumbo Frame Dynamic
Packet Re-Sizing

Flexible Wide Area
Interfaces

Enhanced SLA Reporting
& Powerful Management

Time of Day traffic
prioritization

ASE3300 Key Features

VirtualFIBER & VirtualWIRE

ASE3300's VirtualFIBER & VirtualWIRE technology provides lossless, secure, and transparent wide area capabilities over IP/MPLS and Ethernet wide area networks.

EtherPACK - High Speed Data Compression

ASE3300 offers dedicated hardware compression engines for Virtual Wire, with extremely low latency, lossless, high performance gigabit rate compression for Ethernet, Fiber Channel over Ethernet, and native Fiber Channel protocols. EtherPACK is application and protocol agnostic.

CryptoWIRE – AES-256 Encryption

Optional AES-256 bit gigabit rate encryption per Virtual Wire is provided by the ASE3300. The encryption process is protocol independent; Layer 2 based, and provides highly deterministic performance with low latency.

EtherCORRECT - Packet Loss Recovery & Error Correction

ASE3300 provides the unique ability to detect packets that have been lost or re-ordered in the wide area network and recover any lost data. Supporting bit and packet level error correction, ASE3300 creates lossless Virtual Fiber extensions while improving application performance over wide area networks.

SAN-XTEND - Storage Extension and Disaster Recovery

Native support for Fiber Channel with full rate distance extension supporting thousands of Kms/miles, with localized and wide area advanced flow control domains. SAN-XTEND is compatible with leading third-party storage vendors.

JumboSLICE – Dynamic Packet Re-sizing

ASE3300 can fragment and re-assemble client-side frames of up to 9600, resizing them to smaller standard byte transmission units for wide area transport. Frames are re-assembled at the far end, ensuring the process is transparent to the customer



Force10 Networks, Inc.
350 Holger Way
San Jose, CA 95134 USA
www.force10networks.com

408-571-3500 PHONE
408-571-3550 FACSIMILE

© 2009 Force10 Networks, Inc. All rights reserved. Force10 Networks, Adit, E-Series, Traverse, and TraverseEdge are registered trademarks and Axxius, C-Series, ExaScale, FTOS, MASTERseries, P-Series, S-Series, TeraScale, and TransAccess are trademarks of Force10 Networks, Inc. All other company names are trademarks of their respective holders. Information in this document is subject to change without notice. Certain features may not yet be generally available. Force10 Networks, Inc. assumes no responsibility for any errors that may appear in this document.

HS63

1009 v1.0