



## Product Brief

# Nortel Business Continuity System 3000 Branch Office Data Acceleration

### Value proposition

Nortel's Business Continuity System (BCS) branch office solution enables enterprises to simplify and consolidate their branch office computing and networking applications, resulting in improved productivity and lower total cost of ownership for remote locations.

The BCS 3000 Branch Office solution offers the following on a single platform:

- Up to 90 percent WAN file traffic reduction
- Wide Area File Services
- Microsoft Exchange acceleration
- Embedded Windows Storage Server 2003 OS
- Accelerated support for encrypted files and encrypted Exchange attachments via IPsec
- Reduction in Total Cost of Ownership (TCO) by as much as 74 percent

### Solution overview

The BCS 3000 Data Acceleration technology Branch Office solution includes:

- BCS 3000 platform
- The Data Acceleration technology hosted on the Data Sharing Module within the BCS chassis at either the core or at remote sites
- Embedded Microsoft storage server on the platform for seamless integration with Microsoft networking services

Data caching and streaming allows the BCS 3000 to consolidate branch office infrastructure services at core data centers, while providing branch office caching for data locality. Internal RAID disk caching is supported for added data protection.

The BCS 3000 Branch Office solution use of Wide Area File Services (WAFS) enables LAN-like centralization of file servers and NAS appliances across the WAN.



The BCS 3000's tight integration with Microsoft's active directory ensures encrypted secure access to both accelerated files and email attachments via IPsec policies.

## Key values

### Full Microsoft Environment Integration

- Microsoft Storage Server OS embedded
- Microsoft Windows File System (CIFS) acceleration
- Full support for Microsoft services: DNS, Domain Controller, DHCP, IPsec, Signed SMB, Active Directory and DFS



**Nortel Business Continuity System Shelf**

## Optimization

- Maximizes WAN performance to price ratio with up to a 90 percent reduction of file-related traffic crossing the WAN
- Advanced optimization techniques provide LAN-like file performance and hide the impact of limited WAN bandwidth and latency

## Increase productivity and ability to serve customers

- Increase remote user productivity with LAN-like file performance while minimizing any end-user impact during WAN link degradation or complete outage

## Enable IT Thin branch office architecture

- Reduce branch office storage file and print servers
- Reduce IT WAN communication costs or postpone the need to upgrade WAN facilities to accommodate new applications
- Simplify branch office architecture by eliminating multiple appliances (WAFS, WOC, data protection, etc.) to solve multiple challenges associated with branch office computing

## Compliance

- Enables remote files to be secured at the data center with no performance impact to remote users
- Full data acceleration support for encrypted files and encrypted Exchange attachments via IPsec

## Manageability

- Centralized management with distributed access
- Enable visibility to the entire global network via a single centralized management view for all services across each BCS 3000 irrespective of its location
- Provide file consistency, ensuring that all files accessed are the most up-to-date versions
- Remote power cycling
- Integrated surveillance and discovery

## Experience of a global leader

- More than 100 years experience
- Supported by Nortel's Global Professional and Support Services

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