Simplify Branch Office Recovery and Disaster Avoidance with Riverbed

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DISTANCE AND LOCATION HAMPER IT ARCHITECTURES

SOFTWARE-DEFINED DATA CENTERS
Virtual machine migration limited by bandwidth

SOFTWARE-DEFINED NETWORKS
Virtual networks difficult to scale across multiple sites

CLOUD COMPUTING
Difficulty on- and offloading apps & data to clouds

DATA COMPLIANCE
Data retention policies managed based on geographic boundaries

WORKSPACE MOBILITY
Bandwidth and latency affects quality and fidelity
## THIS IS PARTICULARLY ACUTE IN BRANCH IT

<table>
<thead>
<tr>
<th>HARD TO SUPPORT</th>
<th>COST-INEFFICIENT</th>
<th>AT RISK</th>
<th>SUBJECT TO DOWNTIME</th>
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<tbody>
<tr>
<td>1 datacenter supports 55 branches</td>
<td>Only 8% of branches are fully consolidated</td>
<td>More than 50% of data resides in branches</td>
<td>It takes 168 hours to recover from outages</td>
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WHAT IF YOU COULD . . .

REDUCE BRANCH IT FOOTPRINT

ACHIEVE INSTANT RECOVERY

DEPLOY BRANCHES IN MINUTES

WHAT IF YOU COULD . . .

ELIMINATE TAPES AT THE BRANCH

GET DATA OUT OF HIGH-RISK PLACES
THESE CIOs DID.

ACHIEVE INSTANT RECOVERY

REDUCE BRANCH IT FOOTPRINT

DEPLOY BRANCHES IN MINUTES

ELIMINATE TAPES AT HIGH-RISK PLACES

GET DATA OUT OF HIGH-RISK PLACES

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Branch converged infrastructure adapts concepts pioneered by datacenter providers to deliver local performance while enabling data centralization, instant recovery, and lower TCO.
Why Converged Infrastructure?

Today’s modern IT infrastructure stack:

- Pre-integrated, pre-configured
- Workload-optimized

Converged Infrastructure:

- Pre-integrated, pre-configured
- Server + Storage + Networking + Virtualization

Virtualization and Management

Virtual App 1
Virtual App 2
Virtual App 3

Control and Orchestration

Server
Storage
Network
WHY CONVERGED INFRASTRUCTURE?

BRANCH CONVERGED INFRASTRUCTURE

- All-in-one branch platform
- Industry-standard virtualization
- Storage delivery & replication
- WAN optimization for user & data traffic
BRANCH CONVERGED INFRASTRUCTURE . . .

- ELIMINATES BRANCH SERVERS & STORAGE
- CENTRALIZES BACKUP OPERATIONS
- QUICKLY PROVISIONS AND RECOVERS
- GETS DATA OUT OF HIGH RISK PLACES
STEP 1: VIRTUALIZE BRANCH SERVICES
STEP 2: POINT TO STEELFUSION CORE

BRANCH

DATA CENTER
STEP 3: PROJECT VMs AND DATA TO BRANCH
BOOT VIRTUAL BRANCH DURING DISASTERS
RECOVER BRANCH WITH NO DOWNTIME
RADICALLY IMPROVE RTO AND RPO

ZERO REMOTE IT STAFF

Branch Server/IT

New TIP

Time To Provision

RPO

New RPO

New RTO

RTO

Up

Down

12A Nightly Backups

DATA LOSS

12A

PROVISION

PROTECT

RECOVER

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47 PB
Branch data centralized

87,000
Branch servers consolidated
STEELFUSION DELIVERS . . .

96X
Reduction in recovery time

30X
Reduction in provisioning time

30-50%
TCO savings
A teaser for where we can go...
Tomorrow’s data center...
Tomorrow’s data center...
Freedom to move infrastructure...
Freedom to move infrastructure...
Enabling new ways to work...
Enabling new ways to work...
Fulfilling the promise of cloud computing...
Fulfilling the promise of cloud computing...
Fulfilling the promise of cloud computing...
THANK YOU

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