

LONDON METROPOLITAN NETWORK

**Enabling DR with effective Data
Protection:
A Community-wide approach to
data backup and recovery**



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Higher. Further. Faster.

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Agenda

- ❑ Data Protection - What is it ? Why do we need it ?
What are the issues ?
- ❑ Data Protection – Business, Financial and Operational Drivers
- ❑ The contemporary approach: Backups
- ❑ Data Protection in an Ideal World(!)
- ❑ InTechnology Managed Services
- ❑ LMN Online Data Backup and Recovery Services
- ❑ VBAK overview

Data Protection

- What is it?
- Why do we need it?
- What are key issues:
 - How fast do you need data/applications back?
 - How much data can you afford to lose?

Data Protection

Business Drivers

- Downtime
- Timely file restores
- Data loss
- Compliance and legal
- DR timings and scope
- Risk

Data Protection

Financial Drivers

- Predictable costs
- Linear cost to scale
- Cost Transparency
- Cost of downtime
 - Internal
 - External

Data Protection

Operational Drivers

- Backup failures
- Management of traditional backup infrastructure
- Backup window creep impacts server performance
- Scalability

The contemporary approach: Backups

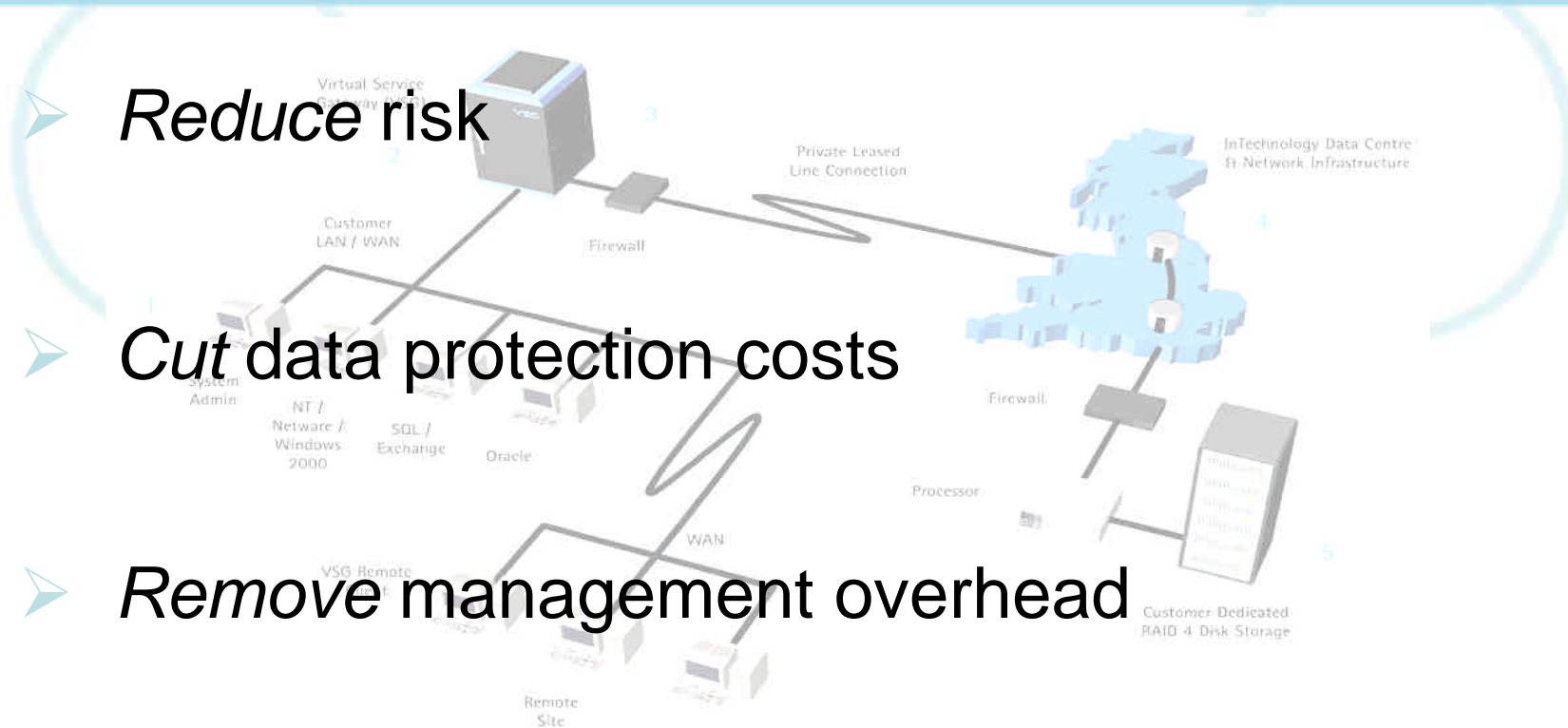
- People don't need backup solutions!
- Process unchanged for 30 years
- Traditional approach is inflexible
 - Business
 - Financial
 - Operational

Data Protection *In an Ideal World(!)*

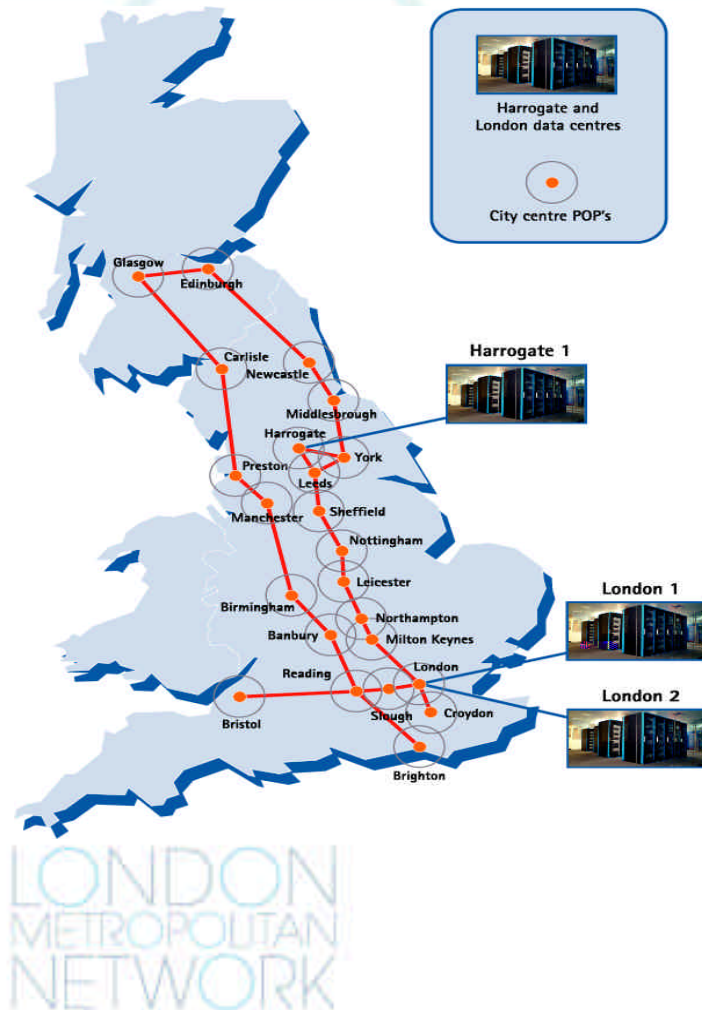
➤ **Reduce risk**

➤ **Cut data protection costs**

➤ **Remove management overhead**



InTechnology Managed Services

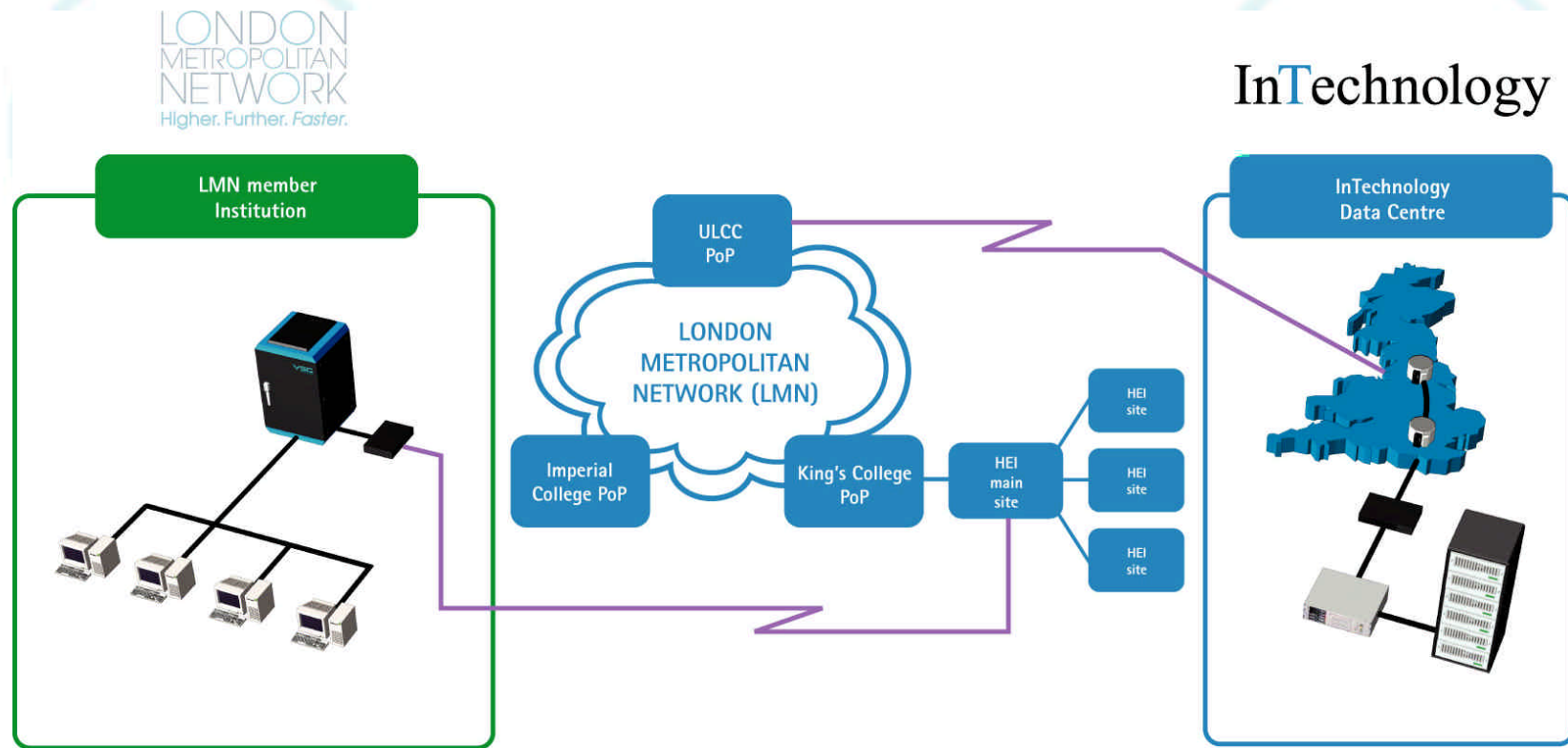


- Network:
 - 2.4 Gbps resilient network with 24 PoPs
 - 100Mbps interconnect at LMN's ULCC PoP
 - *Imminent:* 100Mbps interconnect at Imperial College PoP
- Data Centres:
 - Secure, geographically diverse, N+1
 - Private suites & racks
 - 24x7 monitoring & support
- Managed Data Services:
 - Backup and recovery
 - ...Web File Services
 -Archiving/ILM and Data Replication

LMN Online Backup and Recovery Services

- ❑ Offsite online backup and recovery services for LMN Institutions delivered via their existing JANET-related 2Mbps – 1Gbps connections
- ❑ “VBAK” service:
 - Windows and NetWare support
 - Online backup of Exchange, SQL, Oracle applications
 - Simple agent-less implementation
- ❑ “VBAK Plus” service:
 - UNIX, Mac, Windows, NetWare support
 - Online backup support for core MIS applications and databases
 - Agent based implementation
- ❑ Both managed services include design and ongoing support
- ❑ Customised Solution Delivery Model, Service Definitions and SLAs
- ❑ Monthly service charge based on backup capacity utilisation

LMN "VBAK" Backup Service



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