

BiZNeT- ITcontinuity as a Service

Overview

All risk cover, no nonsense IT Continuity in three straightforward steps:-

1. Simple, transparent, automatic off-premise replication of your business critical data and complete IT infrastructure on a non-contract, pay-as-you-go model with no up-front fees.
2. Enterprise grade reliability coupled with military grade security - at a price a small to medium sized business can afford including anytime testing for complete peace of mind and stakeholder assurance.
3. Whether it's Mother Nature or human nature, CyberCrime attack or Motherboard failure, you can return to Business as Usual in less than 15 minutes with data that was current, 15 minutes before the interruption to trading or system availability (subject to connection bandwidth).

You then get 14 days to repair, replace or remove the defective elements or up to 90 days for a small additional investment. The duration is not as important as the fact that you get a period of stress-free, breathing space to put remedies in place.

The service is delivered via an Appliance, which incorporates 2N resiliency. In essence the service is run on a private cloud shared with other similar businesses to you. The high capital costs are shared over the wide spread of the users.

The Appliance

The hardware is from SuperMicro and configured to have twice the need required. It includes: -

- Two Firewalls in synchronized, high availability configuration with heartbeat failover
- Intrusion protection and security consisting of;
 1. Two anti-virus/malware servers
 2. Two encryption servers
 3. DDosS protection
- Dual Power Supplies
- Two CPU's
- Two times 22 cores at 2.3GHz
- 512GB RAM
- Raid 60 storage
- Cache 2 x SSD 1TB each
- BiZNeT-ITcontinuity replication, backup and restore software with licenses

The Appliance Location

The Appliance is located at a UKFast datacenter in Manchester, United Kingdom. This location benefits from the following:-

- BrexitProof with guaranteed UK data sovereignty
- Tier3/4 datacentre build and fit-out
- 100% uptime SLA
- High security location manned 24/7
- Fast, multiple internet connections
- On-site support
- ISO27001 certified
- ISO9001 certified
- Secured to UK government standard IL4
- UKFast owned and operated

The BiZNeTcontinuity suite

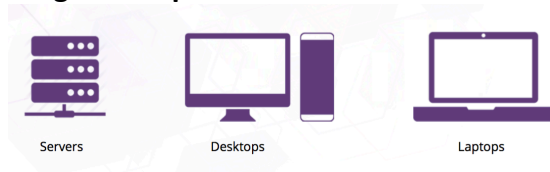
- VM backup and replication for VMware and Hyper-V
- Image backup and bare metal recovery for Physical Windows Servers, Desktops & Laptops
- Network backup solution for file/folders, popular applications including MS Exchange, SQL, SharePoint, Active Directory, Outlook, MySQL etc.
- Online backup solution for file/folders, popular applications including MS Exchange, SQL, SharePoint, Active Directory, Outlook, MySQL etc.
- SaaS backup solution for popular applications including Office365, GoogleApps etc.
- Supports on-premises, remote, cloud and hybrid cloud deployments

VM Backup



- It caters for the needs of virtualized (VMware & Hyper-V) data centres
- Agent-less VMware Image Backup & Replication with high-performance snapshots
- Agent-less Microsoft Hyper-V Image Backup with forever incrementals
- Optional Cloud backup for Data Redundancy and Disaster Recovery
- Point-in-Time persistent instant boot of backed up VMs
- Instant VM recovery in a few minutes
- Instant File Level recovery
- Failover and Fallback
- Instant granular recovery support for Exchange, SQL, Sharepoint & Active Directory

Image Backup



- It caters to the needs of data centres which have physical windows servers
- Physical Server Image Backup for Microsoft Windows Servers & Stations
- Application aware processing
- Optional Cloud backup for Data Redundancy and Disaster Recovery
- Instant VM recovery on any hypervisor in a few minutes
- Instant File Level recovery
- Instant granular recovery support for Exchange, SQL, SharePoint & Active Directory
- Bare-metal Recovery

Network Backup

- Endpoint backup for Windows, Mac & Linux
- Supports backup of File Servers & Applications (Exchange, SQL, SharePoint, Active Directory, Outlook etc.)
- Offsite Backup deployment support for Remote Offices & Branch Offices
- Support for Hybrid Cloud (On-premise with optional Cloud storage) deployment
- AES 256-bit Encryption both at rest and in-transit
- Advanced Retention Policies
- Automatic Scheduling & Bandwidth Throttling for Backups



Online Backup

- Backup Business Critical Data directly to Secure Cloud
- Backup desktop/laptop/mobile phones & devices, File Servers, Microsoft Exchange, SQL-Server, SharePoint, Outlook, Active Directory etc. to Cloud
- One solution for your Windows, Mac and Linux
- Restore anywhere
- End-to-End encryption
- Perform granular recovery of files, folders, Emails, mailboxes and tables



SaaS Backup

Google Apps

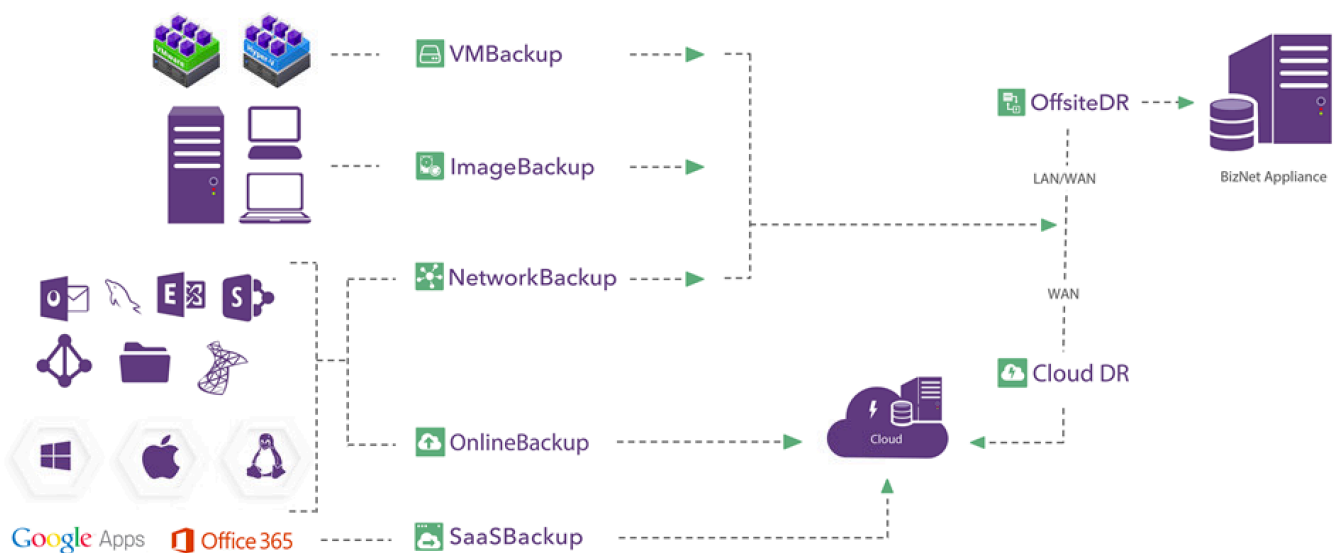
- All user's entire mailbox folders (Inbox, Sent-Items, Deleted, Drafts, User Created Labels)
- Chat, Contacts and Calendars
- All documents from Google Drive

Office 365

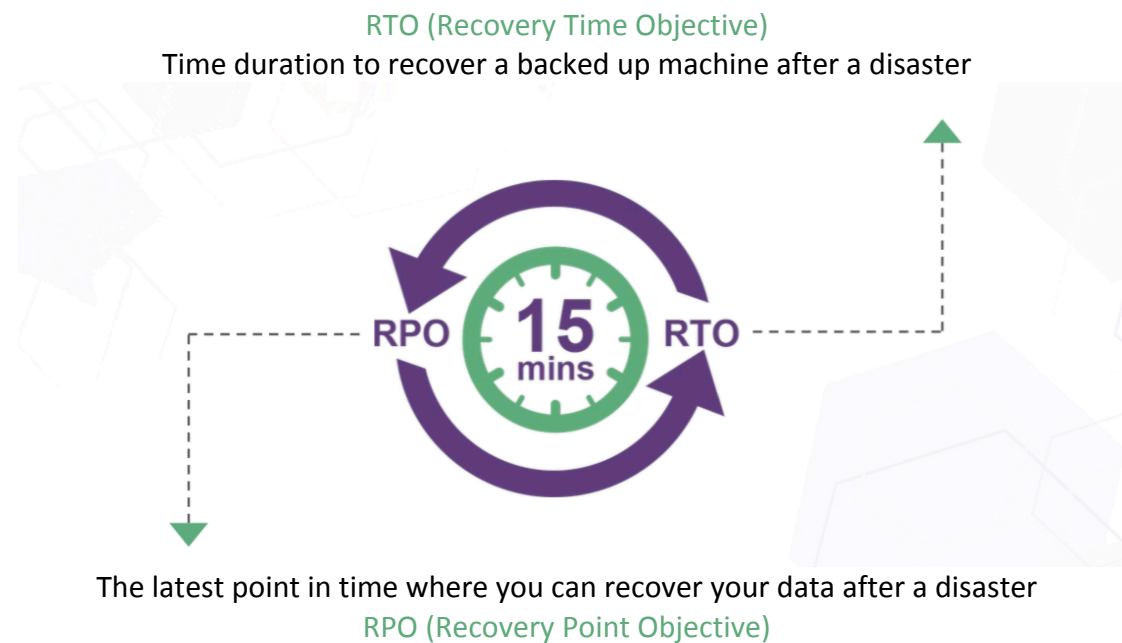
- All user's entire mailbox folders (Inbox, Sent-Items, Deleted, Drafts, User Created Labels)
- Contacts
- Calendars



Architecture



Recovery Point Objective (RPO) and Recovery Time Objective (RTO)



Recovery Time Objective (RTO)

BiZNeT can deliver an RTO of less than 15 minutes with;



Instant Virtual Machine Recovery



Instant File Level Recovery



Failover and Failback



Explorer for MS Exchange, SharePoint, SQL and Active Directory

Recovery Point Objective (RPO)

BiZNeT delivers near continuous data protection without affecting production;

- Automated Backup and Replication Scheduling
- Backup frequency from 15 minutes upwards
- Delivering an RPO of 15 minutes minimum



Backup Verification

Backup data should be recoverable. If not, it is worthless. BiZNeTcontinuity provides the ability to run automatic backup verification for all supported VMs.

- Backup verification can be automated to run post completion of every backup scheduled or once per day
- In the process, booting of backed up Virtula Machine will be carried out and a screenshot of the boot screen will be captured. This screenshot detail will be sent to Administrators via Email



Efficient Storage Management

BiZNeT uses a bespoke file system to effectively manage storage repositories. It is an efficient cloud file system designed for large-scale backup and disaster recovery applications with support for advanced user-cases. It can be defined as a File System for File Systems.

- Supports SAN, NAS and DAS
- Automatically scale up/out the storage devices
- Built-in version control and error correction
- Built-in Compression & De-duplication
- Encryption

Migration P-V and V-V

- BiZNeTcontinuity has a built solution tool to aid with migration
- BiZNeTcontinuity supports instant creation of VMDK, VHD and RAW files for backed up virtual/physical machines to enable users to readily start migrations P2V(Physical to virtual) and V2V(between virtual environments)

Recovery Tools

- Explorer for Microsoft Exchange
- Explorer for Microsoft SQL
- Explorer for Microsoft SharePoint
- Explorer for Microsoft Active Directory
- Recovery for Physical Windows Servers & Workstations

Certifications and Warranties

BiZNeTcontinuity is independently certified to the following standards:-

- ISO 20000 High Performance – Best IT services standards
- ISO 27032 CYBERSECURITY – Best practices
- ANSI/TIA 942-A - Tier 3 Data Network redundancy
- ANSI/TIA 942-A Tier 3 Data Storage redundancy
- 24x7 telephone support service with SLA of 15 minutes

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