




# Introduction



# Flex2n BDR Suite

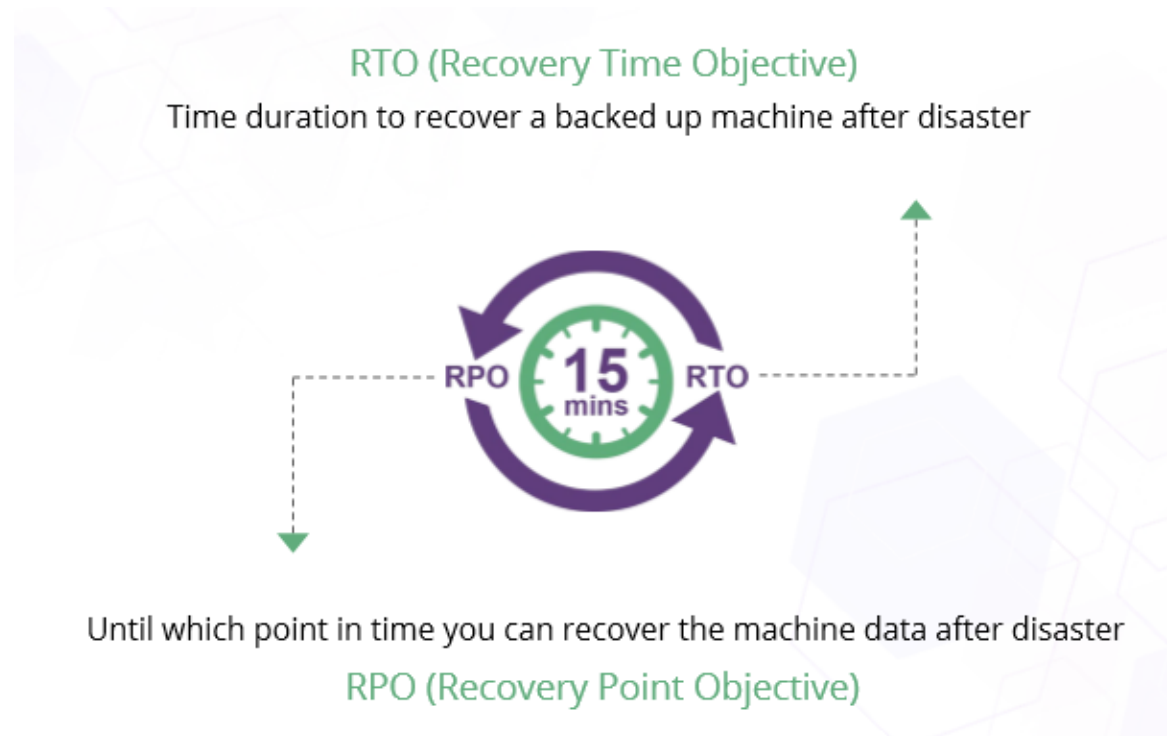
Flex2n BDR suite is an one stop solution to all your Backup and DR needs - catering to every requirement of small and midsize businesses.

	VMBackup	Backup & Replication for VMware and Hyper-V
	ImageBackup	Backup and Bare-metal recovery for Physical Windows Servers & Desktops
	NetworkBackup	Backup solution for file/folders, applications like MS Exchange, SQL, SharePoint, AD, Outlook and MySQL etc.,
	OnlineBackup	Backup solution for file/folders, applications like MS Exchange, SQL, SharePoint, AD, Outlook and etc. directly to Vembu Cloud
	SaaSBackup	Backup Solution for SaaS Applications like Office 365 and Google Apps

## Add-on Products

- Flex2n OffsiteDR is an add-on service to Flex2n BDR Backup Server. OffsiteDR enables you to keep additional copy of backup data on-site or off-site
- Flex2n BDR360 helps you with 24/7 availability by providing the flexibility to monitor and manage all your Flex2n BDR backup environments from a centralized portal
- Flex2n Universal Explorer is an agent-less software which helps you to restore individual items from Microsoft Exchange, SQL Server, SharePoint and Active Directory instantly. This tool can be used for Instant Granular Recovery from Flex2n BDR managed backups

# Understanding RPO & RTO



# Recovery Time Objective (RTO)

Flex2n offers Industry best RTO which is less than 15 minutes.



Instant Virtual Machine Recovery



Instant File-Level Recovery



Failover and Failback



Explorer for Microsoft Exchange,  
SharePoint, SQL and Active Directory

# Recovery Point Objective (RPO)

Flex2n offers near continuous data protection without affecting the production data center.

- Automated Backup & Replication scheduling
- Backup frequencies starts from 15 mins
- So you can assure RPO less than 15 mins



# Backup Verification

Backup data should be recoverable. If not, it is worthless. Flex2n provides the ability to run automatic backup verification for all backed up VMs

- Backup verification can be automated to run post completion of every backup schedule or once in a day.
- In the process, booting of backed up Virtual Machine will be carried out and screenshot of boot screen will be captured. This screenshot details will be sent to administrators via email.



# Migration Plan (P2V and V2V)

Having plan to migrate physical machines to virtual environments (VMware/Hyper-V)? Looking for a cost-effective solution with less downtime offering and less workload?

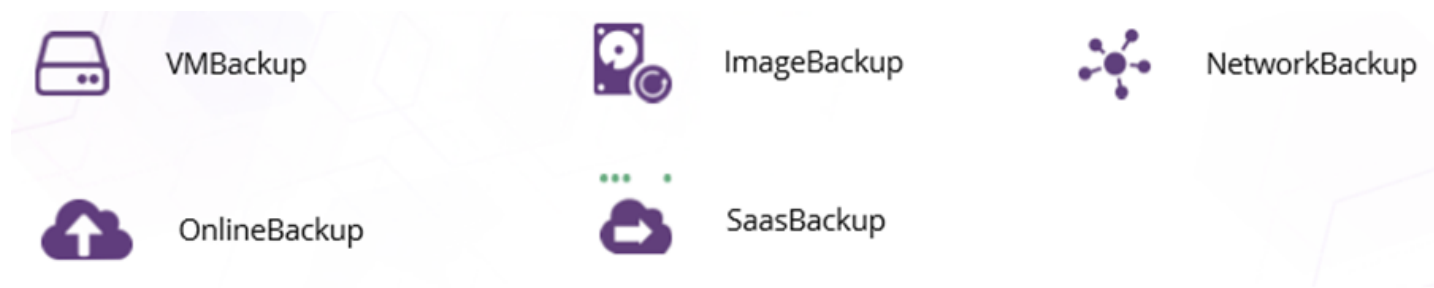
- Flex2n has in built solution to all your migration plans
- Flex2n supports instant creation of VMDK, VHD and RAW files for backed up virtual/physical machines; So that users can instantly start migrations P2V(Physical to virtual) and V2V(between virtual environments)



# Product Overview



# Flex2n BDR Suite



- Flex2n BDR suite is an one stop solution to all your backup and DR needs, catering to every requirement of small, medium and Enterprise businesses.
- Backup and replicate Vmware vSphere, Microsoft Hyper-V, Microsoft Windows Physical Servers & Desktops, Files/folders, MS Exchange, MS SQL and so on.
- Supports on-premises, remote, cloud and hybrid cloud deployments

# Flex2n VMBackup



- It caters to the needs of virtualized (VMware & Hyper-V) data centers
- Agentless VMware Image Backup and Replication with high-performance snapshots
- Agentless 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 few minute
- Instant File-level Recovery
- Failover and Failback
- Instant granular recovery support for Exchange, SQL, SharePoint and AD

# Flex2n ImageBackup



Servers



Desktops



Laptops

- It caters to the needs of data centers which have physical windows servers
- Physical Server Image Backup for Microsoft Windows Servers & Workstations
- Application aware processing
- Optional Cloud Backup for Data Redundancy and Disaster Recovery
- Instant VM recovery on any hypervisors in few minute
- Instant File-level Recovery
- Instant granular recovery support for Exchange, SQL, SharePoint and AD
- Bare-metal Recovery

# Flex2n NetworkBackup

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



# Flex2n OnlineBackup

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



# Flex2n SaaSBackup

## 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

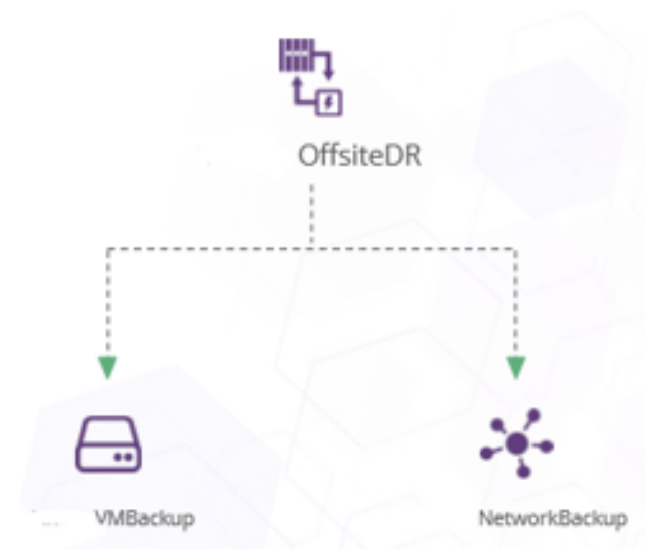
## Office 365

- All user's entire mailbox folders (Inbox, Sent-Items, Deleted, Drafts, user created labels)
- Contacts
- Calendars



# Flex2n OffsiteDR

- Deploy DR site in your own data center
- Send additional copy of the backup data to your own data center for DR
- Syncs backup data immediately
- Control over data transfer - Automatic scheduling and Bandwidth throttling
- Supports Instant VM Recovery and Instant file level recovery
- Rebuild Flex2n BDR Backup Server from the secondary storage repositories





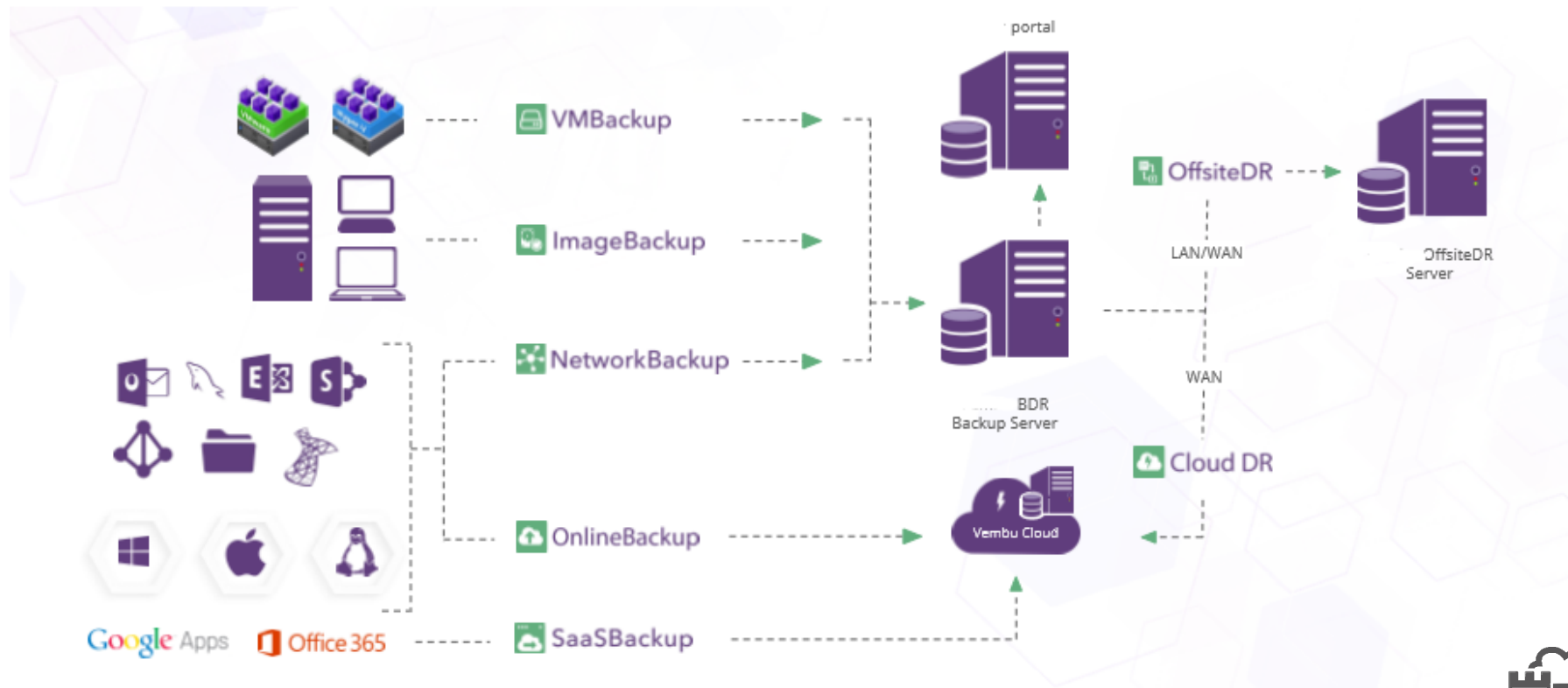
# Flex2n Recovery Tools

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

# Architecture

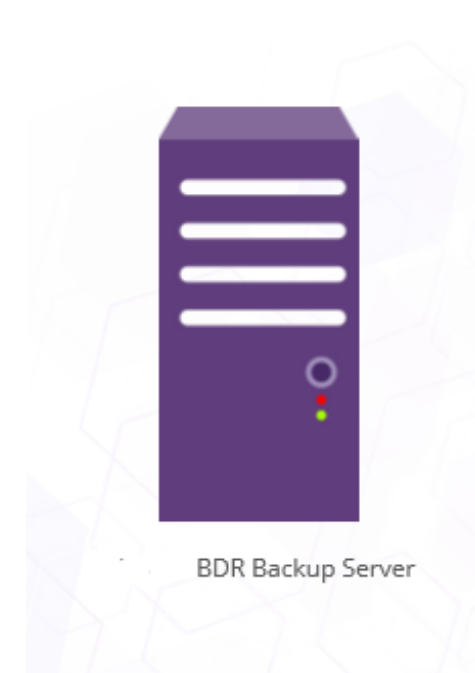


# Flex2n BDR Suite - Architecture



# Flex2nBDR Backup Server

- BDR Backup Server can be installed on Windows and Ubuntu OS
- It can be installed on Windows or Linux based Physical or Virtual machines
- Virtual Appliance available for VMware vSphere & Microsoft Hyper-V
- VMware and Hyper-V backups can be configured and managed from BDR Backup Server GUI
- Handles backups from Flex2n VMBackup, ImageBackup and NetworkBackup agents
- Redundant copy of the backup data can be sent to their own data center (Flex2n OffsiteDR) or to FlexPro Cloud
- Manage Storage Repositories
- Runs backup recovery verifications
- Perform Disaster Recoveries



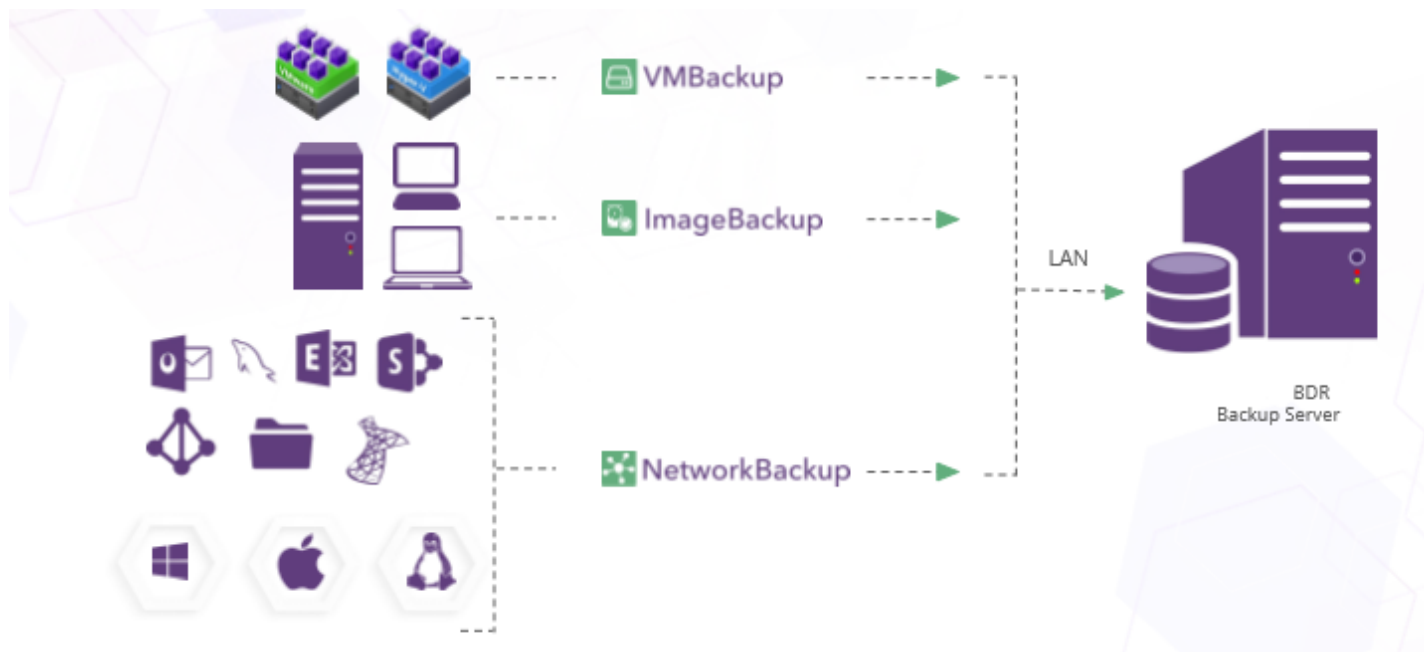
# Deployment



# Physical or Virtual ?

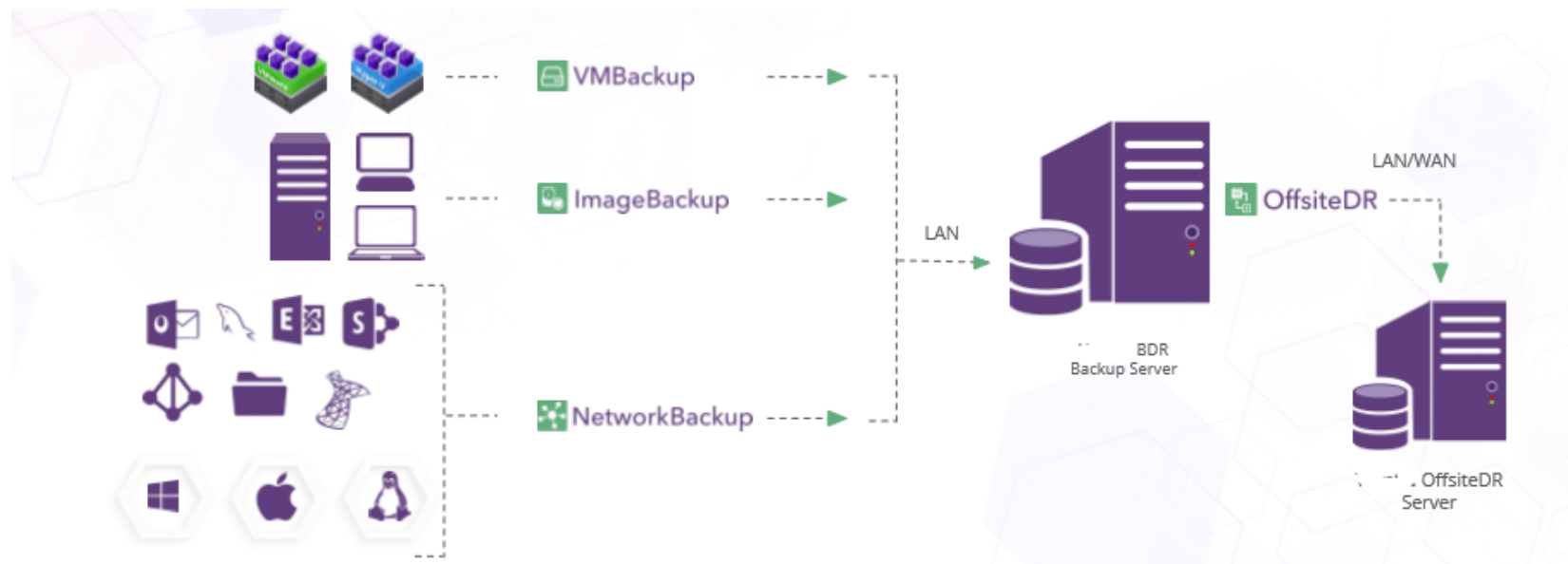
- Flex2n BDR Backup Server, OffsiteDR Server, VMBackup Client, ImageBackup Client, NetworkBackup Client and OnlineBackup Clients can be installed on physical or virtual machines
- It depends on size of the environment
- Small business may use virtual machine for Flex2n BDR backup server and OffsiteDR server
- Recommending physical machine for Flex2n BDR backup server and OffsiteDR server to get instant boot feature

# On-premises Deployment



- Setup DR site in your local environment and backup via LAN connections
- Backup VMs, Physical Machines and applications to the local storage repositories

# Hybrid Deployment - Scenario 1 (OffsiteDR)



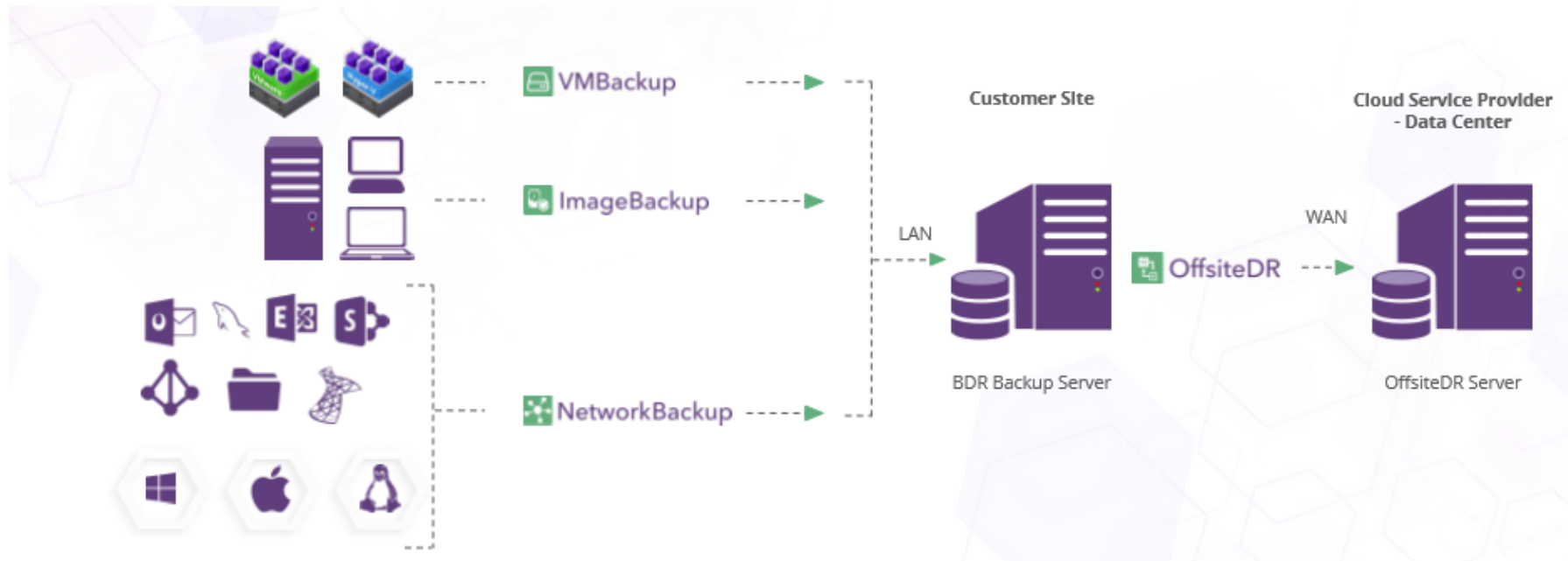
Setup DR site in your local environment and backup via LAN connections and send another copy of backup data to your Own Cloud via LAN/WAN connection by deploying Flex2n OffsiteDR Server



The diagram illustrates a multi-site backup architecture. On the left, two identical client environments are shown, each containing icons for VMs, servers, desktops, and various file types. These clients connect via LAN to a local BDR Backup Server. The BDR Backup Servers at both sites connect via WAN to OffsiteDR Servers located at Site 1 and Site 2. The OffsiteDR Servers then connect via LAN to local storage units at their respective sites. The architecture supports VMBackup, ImageBackup, and NetworkBackup for the clients.



# Offsite (or) Remote Deployment (CSP)



Cloud Service Providers can host Flex2n OffsiteDR Server on their data center and backup another copy of data from Flex2n BDR Backup Servers to their data center over WAN

Q&A



Thank you

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