

Wipro's BoundaryLess Data Protection Powered by Dell Technologies

Protect your most critical
asset – data – wherever it lives.



Data is the most critical asset for today's enterprises. It enables them to deliver new and innovative services to enhance the customer experience, increase loyalty and drive revenue. But with data growing exponentially across edge, core and cloud, it is becoming increasingly challenging to ensure it is protected and secure. The stakes are high. Data loss events could result in overall loss of revenue, opportunities and customer trust. The consequential costs along with the legal and regulatory repercussions of data loss have significant business impacts on a company's sustainability and resilience. This calls for solutions that simplify the overall protection, management and security of critical data assets across edge, core and cloud so that the CIO can spend less time on IT management - protecting and securing your data - and more time innovating with data.

Wipro and Dell join forces to help customers battle data protection challenges

According to Gartner, by 2025, workloads will reside 30% on premise, 30% on edge and 40% on public cloud. This create island of data estate and need to protect them across various datacenter and cloud

deployment. Dell Technologies PowerProtect data protection is integrated, tested and validated with Wipro BLDP, providing a full-stack, comprehensive workload and data protection solution across edge, core and cloud. Dell's proven data protection portfolio enables our customers to efficiently protect traditional and modern workloads and ensure cyber-resilience across platforms while mitigating risk and reducing complexity.

Wipro's BoundaryLess Data Protection (BLDP) is a holistic, cloud-agnostic data protection services, supporting multi-cloud environments to address end-to-end data protection scenarios. BLDP provides a single-pane-of-glass management solution to connect, secure, backup, recover, manage and control enterprise-wide data, increasing operational efficiency and ensuring consistency across on-premise and public clouds.

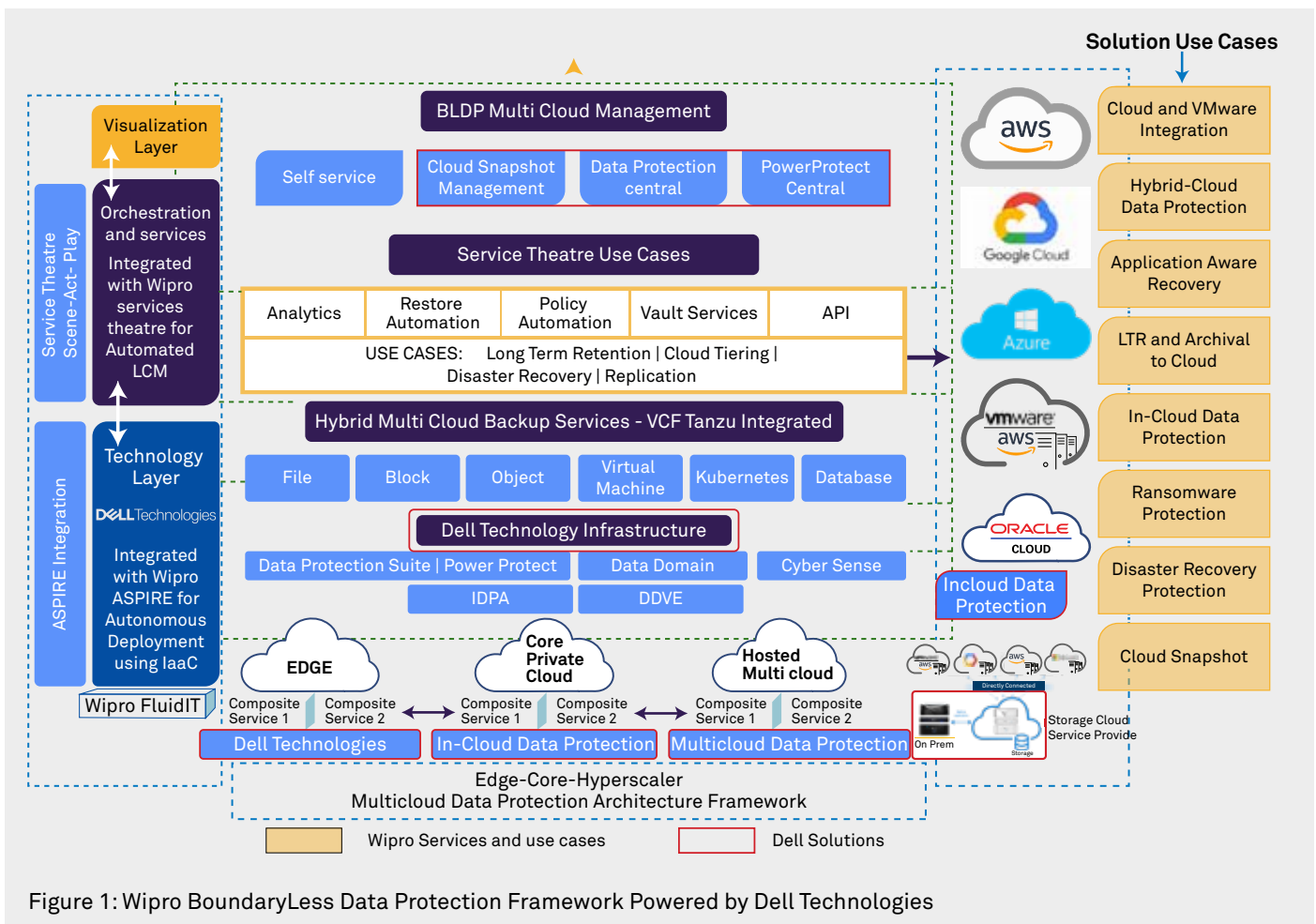


Figure 1: Wipro BoundaryLess Data Protection Framework Powered by Dell Technologies

BoundaryLess Data Protection benefits

Wipro BLDP provides ubiquitous abstraction over the underlying technology layers of data center and cloud resources with the ability to integrate with upstream APIs from Dell Technologies, cloud providers, hypervisors, storage units and databases. This makes backup operations more agile and programmatically driven.

The structure is analogous to that of theatre: Scene – Act – Play. Service Theatre works as an accelerator for BLDP and improves efficiency through automation and an outcome-driven approach.

Data protection, backup, workflows and the services ecosystem are integrated with the AIOps engine to deliver intent-driven autonomous operations for overall lifecycle management

The acceleration enables the creation of repositories of frames where backup infrastructure, management suites, backup jobs and infrastructure monitoring components are created.

Boundaryless protection of data with Wipro and Dell

As more organizations leverage cloud platforms and services to realize their digital and IT transformations, the need to efficiently protect and secure the organization's data capital and intellectual property has never been more critical. Data protection must be capable of consuming services across both private and public cloud with the flexibility needed to meet recovery SLAs should data become lost, damaged, unavailable, or held for ransom.

Dell EMC Data Protection Solutions for multi and hybrid cloud helps customers transform their data management to enable greater operational efficiency, resilience and scalability throughout the entire cloud infrastructure.

Dell Data Protection Suite

Next Generation Software Platform for Proven and Modern Cloud Data Protection - Protects data and delivers governance control for modern cloud workloads across evolving physical, virtual and cloud environments. Dell Data protection suite delivers next generation data protection that enables faster IT transformation, while providing the assurance that one can easily safeguard and quickly unlock their data's value.

Strong VMware Integration

Many customers today are not only dealing with virtual machine sprawl, but VMs and the associated data protection strategies are managed by different teams. When new VMs are added, data protection is often an afterthought – and the backup team is not taking note of all the new VMs or more importantly, their lifecycles. There is a lack of coordination between development and operations teams and the backup admins. A new feature offers native vSphere integration of data protection policies with VMware storage policies, taking the guesswork out of VM protection. The integration of data protection with vSphere for storage policy-based management lets users pair storage and protection policies so users can meet their VM's storage and protection needs within vSphere without having to use a separate interface for protection

Data Protection for Kubernetes

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Data Protection Central

Dell EMC Data protection or PowerProtect platform delivers an integrated next-generation data management software (PowerProtect Software). Dell EMC PowerProtect Central is a Software-as-a-Service (SaaS)-based monitoring and reporting platform for the Dell EMC PowerProtect Software, providing multi-system and multi-site reporting. Dell EMC PowerProtect Central provides aggregated dashboard views and detailed reports with sort and filter capabilities. It is a cloud-based portal that is hosted on Dell EMC infrastructure and is maintained and managed by Dell EMC, thus reducing TCO.

PowerProtect Appliance

Keep up with relentless data growth, secure mission-critical apps and meet the needs of emerging workloads wherever they are located. PowerProtect simplifies data protection operations and reduces risk, enabling you to meet SLAs while lowering costs with its first-in-class Purpose-Built Backup Appliance with the option to choose either an integrated appliance or target-based systems providing cloud, VMware and cyber-recovery capabilities.

Workloads and Database Support

- Oracle
- MS SQL
- Virtual machines
- Containers
- File system backup
- On-premise and cloud

Cloud-Native Protection with Cloud Snapshot Manager

The explosive growth of public cloud computing is transforming IT infrastructure. Hence, adopting a multi-cloud strategy requires a seamless cloud-native data protection strategy. It's difficult to manage workloads and the proliferation of snapshots with the native tools offered by most cloud providers. Managing different tools across clouds to protect workloads running across them can become costly and overwhelming. What's required is an automated, enterprise-grade solution that provides global visibility and control over protection of workloads in the cloud.

PowerProtect Cloud Snapshot Manager (CSM) is a SaaS solution that makes it easy to protect critical workloads in the public cloud by leveraging the underlying snapshot technology of the cloud providers, without requiring installation or infrastructure.

Wipro BLDP Services

Wipro has a complete lifecycle management to accelerate partners in their journey towards accomplishing a true scale boundaryless protection of data across board.



Assess: We have a BLDP adoption framework to assess and gain insights of various data sources, applications, files and blocks formats, copies of backup along the restoration and retention required.



Plan & Architect: Our solution architect in data protection helps draw the big picture and design a holistic architectural viewpoint for solution considerations. This is a consultative-led exercise based on the series of joint workshops conducted by the business stakeholders whilst mapping their data protection requirements along with regulatory concerns. This also goes along with understanding the operational challenges around backup window, backup policies, retention, reporting, complying to 3-2-1 structure and restore points required.



Design: In this phase, our BLDP architects help create a solution construct with various milestones and building blocks covering the overall proposition. A cost-benefit analysis, implementation charter with impacts around the change are articulated based on the engagements, either being a greenfield or brownfield. The functional requirement is mapped to the technical scope.



Transform: This is an important phase of the overall project as the outcome of this phase is to deliver the desired transformational value outlined during the solution design phase. Just like any transformational project, our transformation experts ensure the whole journey of implementation, deployment and migration is frictionless.

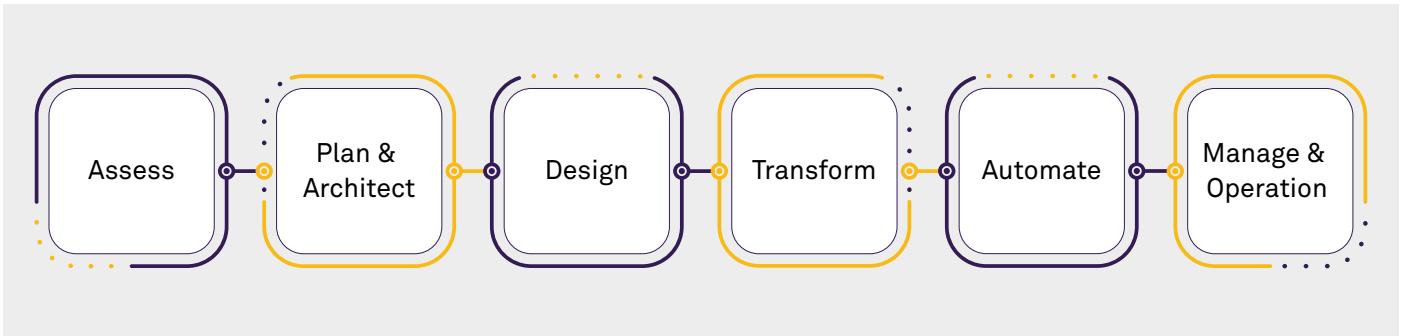


Automation: Wipro Service Theatre has an Infrastructure-as-code model to automate and roll out the solution components in an error-free non-invasive way. Service Theatre is at the heart of overall BDLP automation and orchestration. The infrastructure centric uses cases are catalogued to create a tree structure similar to a theatre value chain of Scene-Act-Play where Day 0, Day 1, Day 2 task are seamlessly integrated with north bound API, scripts enabled through

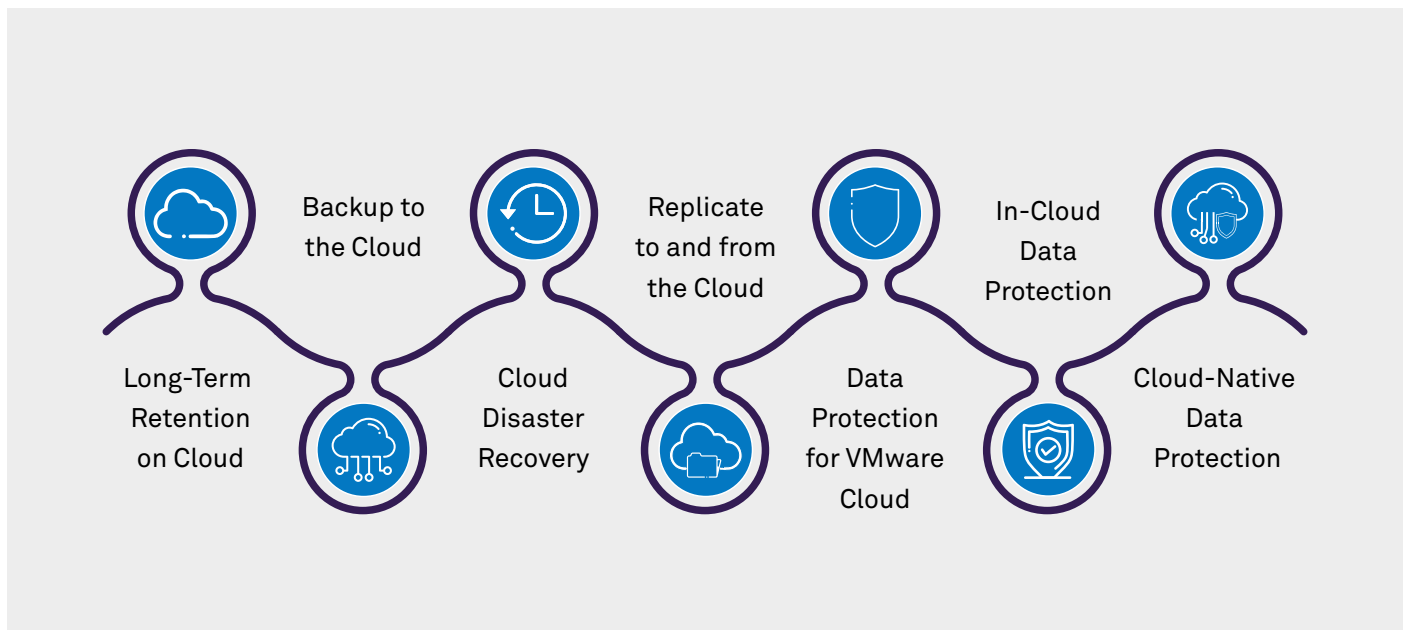
Python and ansible library to anonymize the downstream infrastructure components with ultimate objective of achieving a No-Ops services model.



Manage & Operate: Wipro, being a global partner with Dell, has a strong pool of trained and certified staff who are equipped to provide the best practices and quality driven manage services operations with desired objectives to meet highest SLA and customer experience.



Use Cases



For more details, connect with us at ask.cis@wipro.com

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Implement superior data protection solutions with Wipro and Dell

Wipro with Dell provide a full-stack, comprehensive workload and data protection solution across edge, core and cloud.



Wipro Limited
Doddakannelli,
Sarjapur Road,
Bangalore-560 035,
India
Tel: +91 (80) 2844 0011
Fax: +91 (80) 2844 0256
wipro.com

Wipro Limited (NYSE: WIT, BSE: 507685, NSE: WIPRO) is a leading global information technology, consulting and business process services company. We harness the power of cognitive computing, hyper-automation, robotics, cloud, analytics and emerging technologies to help our clients adapt to the digital world and make them successful. A company recognized globally for its comprehensive portfolio of services,

strong commitment to sustainability and good corporate citizenship, we have over 200,000 dedicated employees serving clients across six continents. Together, we discover ideas and connect the dots to build a better and a bold new future.

For more information,
please write to us at info@wipro.com