



NUTANIX™

Supercharge your Database Transformation with Wipro's Digital Database Platform Services 2.0

Power up your vote for data democracy



Challenges in the legacy three tier architecture and legacy database lifecycle management that impede transformation:



Challenges faced by the database team with legacy database lifecycle management

- Up to 60% of storage cost is related to copy data on expensive arrays
- 80% of effort goes into solving infrastructure challenges
- Lack of multi-database self-service limits data democracy
- Release management takes 3-4 weeks
- Longer provisioning cycle – ~ 2 to 3 weeks
- Lack of autonomous capability leads to complex day 2 operations
- No firm foundation for DevOps – Not developer friendly
- Complex multi window management



Legacy infrastructure further complicates these challenges

- Vertically stacked fragmented systems not suited for scale out business model
- More complex than the Rubix cube!
- Multiple management, multi technology complex skill demand
- Impact on bottom line due to underutilized and over provisioned IT resources
- Higher TCO and operational cost
- Not built for hybrid multicloud operating model
- Lack of automation with database and application layer

Large enterprises view application modernization as a competitive differentiator. The need to deliver a modernized application is fast becoming a key business priority to address the new normal. It's about managing business in times of uncertainty, volatility, changing competition landscape, customer experience and growing demand for digital products and services. As applications go through a major transformation, database modernization is a priority. Redefining the database lifecycle management and making it developer friendly is a critical success factor.

While organizations struggle to navigate the application complexities, the IT team is slowed by legacy infrastructure. This adds to the database management complexity to meet the growing demand for faster time to market, reduced cost and improved service levels. To solve this growing challenge, the modernization of database management begins with modernization of the underlying infrastructure platform.

Wipro's digital database platform services

Wipro's digital database platform services 2.0 is a fully managed database as a service (FMDBaaS) solution for industrializing database management built on cloud principles for democratizing data access across traditional and next generation modern databases.

This solution is an architectural framework built on Nutanix database service, Nutanix cloud infrastructure and Nutanix cloud manager, integrated with Wipro's Service Theater that allows granular orchestration among business, process, people and technology elements that can be consumed on-demand through self-service, thus delivering cost savings, faster time to innovation and simplified operations .

Solution building blocks of digital database platform services 2.0

Wipro's Digital Database Platform Services (DDPS), a combination of infrastructure and database modernization, is built on Nutanix cloud infrastructure, cloud manager, Nutanix Database Service and is integrated with **Wipro's Service Theater**. This provides enterprises with database self-service provision, autonomous lifecycle management, cloud like experience, flexible consumption model, developer friendly APIs for DevOps integration and simplified management. Wipro's DDPS is built for supporting clients with hybrid multicloud architecture and hosting traditional and cloud native database engines on a unified platform to deliver true Database as a Service. The result is accelerated application release time, allowing database administrators and developers to focus on innovation, driving efficiency, agility, cost-effectiveness, and scalability across the enterprise by automating and simplifying database environment.

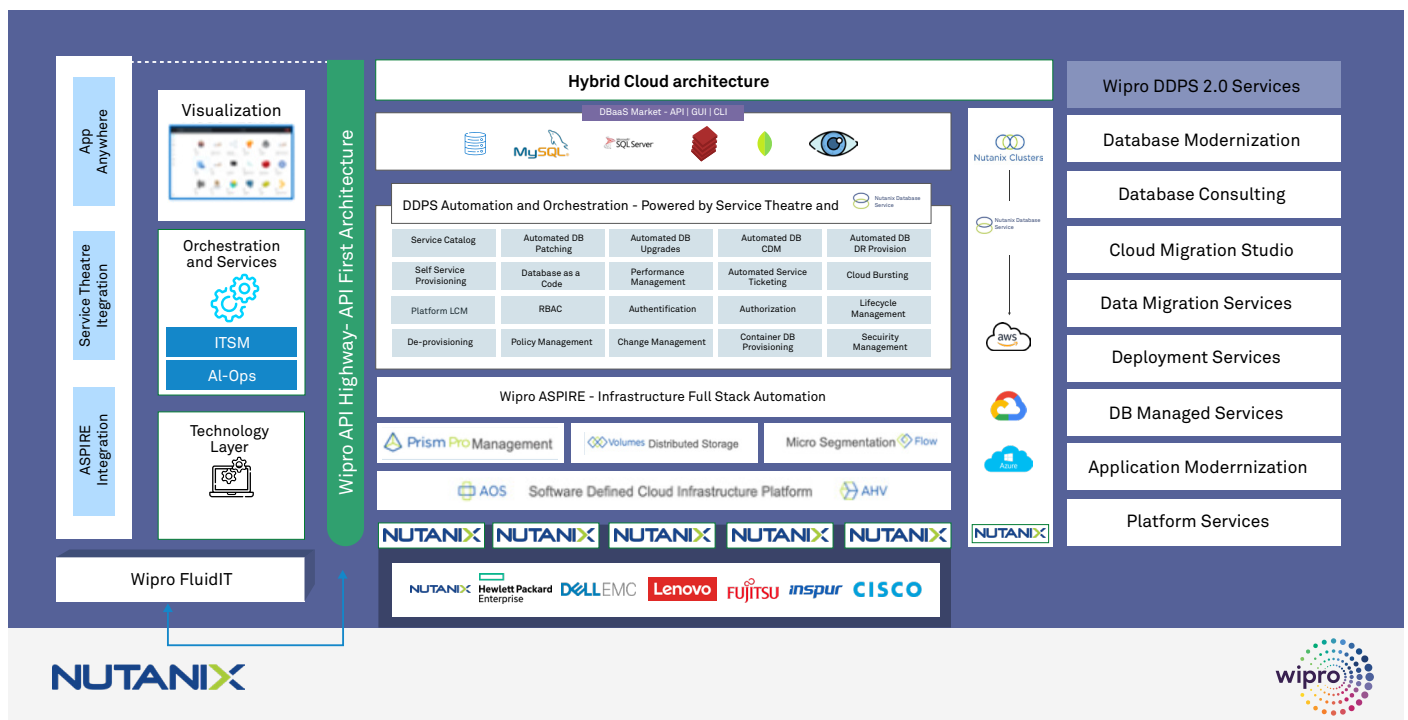
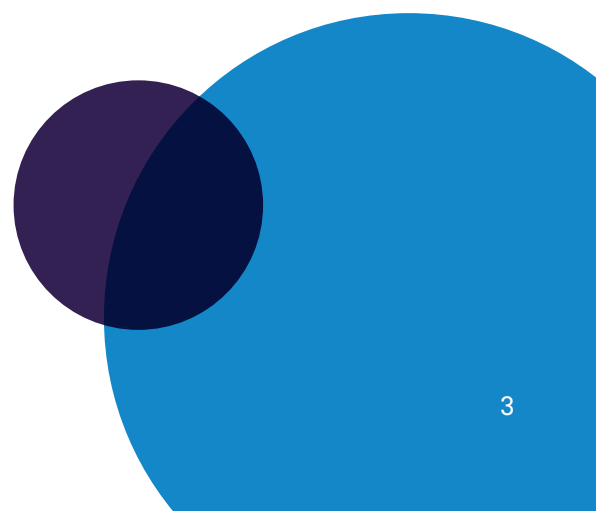


Figure 1: DDPS 2.0 Architecture



The role of Wipro's Service Theater and integration with Nutanix

Wipro's Service Theater delivers a fully programmable industrialized services platform that exposes callable services via API mediation and adaptive automation workflow engine. The platform abstracts complex heterogeneous technologies and delivers outcome driven automation assets which are discoverable and used as managed APIs. It enhances the velocity of DevOps or micro-services roll out by empowering end users and unlocking technology potential to enhance their pipelines.

Key differentiators of Service Theater in DDPS 2.0

- Full stack automation of day 0, 1 and 2
- Single-touch deployment based on certified configuration
- Integration of Nutanix Database Services and CALM to deliver single pane of management
- Integration of full stack DbaaS platform with ServiceNow
- Hybrid multicloud orchestration and automation for specific business case
- API based developer support, enabling teams to quickly and easily spin up high-performance database environments and streamlining dev/test
- Container based database through self service provisioning

Business benefits of Service Theater in DDPS 2.0



Autonomous operations

Facilitates technology tower agnostic full stack zero touch management of incidents, change and service requests leading to 30-40% increase in productivity



Internal API economy and knowledge automation

Enables ultra-efficient reusability of services leveraging centralized repository, resulting in 60-85% increase in efficiency of reusable assets



Improve agility

Reduces time by 50-90% in services rollout

DDPS 2.0 benefits

With a foundation built on Nutanix Enterprise Cloud technology, Wipro's DDPS 2.0 creates a DBaaS environment that enables your organization with business outcomes and not just a technology deployment. This solution provides single-touch deployment based on certified reference architectures, validated configurations, and security and compliance best practices. It Integrates flexibly with public cloud platforms and orchestration tools so that you can leverage existing database and application development investments. You can also provision database environments at scale leveraging the Webscale cloud infrastructure platform.

The combined benefit of database and the underpinning platform modernization provides the enterprise significant benefits



Common enterprise business outcomes

- 8X faster time to market
- Accelerate time to innovation
- Realize up to 291% ROI
- Improved IT productivity and efficiency
- Improved cost governance with cost control and visibility

Source –

<https://www.nutanix.com/go/forrester-total-economic-impact-study-of-nutanix-era>

<https://www.nutanix.com/go/simplifying-database-with-nutanix-era>



Techno-business benefits of database modernization

- 27% faster application development
- 19% more productive developers
- 47% reduction in database administration
- Reduce database provision time by up to 90%
- Upto 60% reduction in storage cost with copy data management
- Clone in minutes and patch in hours! – No weekend outage on Day 2 ops
- Reduce FTE cost and improved cost of operations


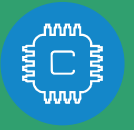






Techno-business benefits of infrastructure modernization supporting database

- 58% Improved IT infrastructure management
- 85% less unplanned downtime
- 61% more efficient helpdesk operations
- Embrace hybrid multicloud – Future enterprise IT architecture
- 82% less time to deploy IT resources
- Reduce cost of IT Infrastructure by 38%

Why choose Wipro DDPS 2.0?

<p>1,500+ Experts</p> 	<p>150+ Customers</p> 	<p>250,000+ Databases Across Geos</p> 
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 <p>Database Monitoring & Support</p> <ul style="list-style-type: none"> Database monitoring & administration High availability DB support- RAC, replication DB patching, performance tuning Backup and recovery/DR Security & Compliance- ISO27001/2, HIPAA, SOX, CCM, PCI -DSS 	 <p>Database Assessment & Consulting</p> <ul style="list-style-type: none"> Core DB design and implementation Database consolidation Database upgrades Backup and recovery planning & tool deployment DR consulting and implementation Database license rationalization 	 <p>Database Alliances</p> <ul style="list-style-type: none"> Alliances with leading DB technology vendors - Oracle Corporation, Microsoft and IBM Diamond Partnership with Oracle Top System Integrator for Microsoft 	 <p>Database Automation</p> <ul style="list-style-type: none"> DB Automation Advisory Services DB Automation Implementation Services GTM strategy with HP and EMC around automation and storage offerings 	 <p>Database CoE</p> <ul style="list-style-type: none"> Hosts top-end class hardware devices & software solutions f Manage POC & demos, pre-built solutionthrough the lab Provide value adds - Assessment, analysis of current challenges & road map finalization Competency development 	 <p>Database talent Pool</p> <ul style="list-style-type: none"> Certified technical specialists including Oracle, SQL, Sybase, MySQL, DB2 DB certifications- OCE/OCP/MCSA/MCSE/MCTS/MCITP Supporting more than 2,500,000 Database instances for 150+ customers
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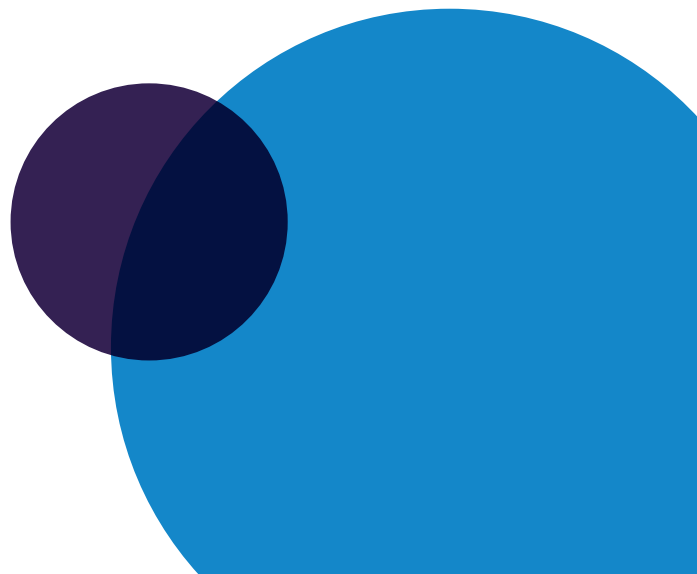
<p>10+ Solution Accelerators (Wipro IPs)</p> 	<p>25,000+ Database Migration / Upgrades</p> 	<p>100+ Database Automation Use Case</p> 
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Alliances



Some of the outcomes we have delivered for clients globally

- Airport authority in Canada - Helped to modernize DB estate and simplified DB operation
- Large financial company - Helped reduce 25% in spend
- Large energy company – Helped consolidation to private cloud and enabled 30% reduction in spend





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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 240,000 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,
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