

DBAAS SOLUTIONS

EMPOWERED USERS

ACCELERATED EFFICIENCY





Overview

Today, large enterprises use hundreds and thousands of databases of various versions, configurations and patch levels to support ever-growing business needs. Whether they perform critical day-to-day functions like ERP or support ad hoc projects, database management is a task that takes up a substantial amount of time and resources.

Virtulization has reduced IT infrastructure cost. However, database management costs still continue to increase. With the increasing use of big data and analytics, the ability of business to make highly data-driven decisions becomes ever so vital. Business decisions can be made easily using the same.

Another challenge faced by enterprises is around the time taken to provision a new database. When an end-user needs a database, it involves a cumbersome and time-consuming approval process that may take days, if not weeks. As application turnaround times become tighter, the need for a rapidly scalable and adaptable platform becomes all the more important.

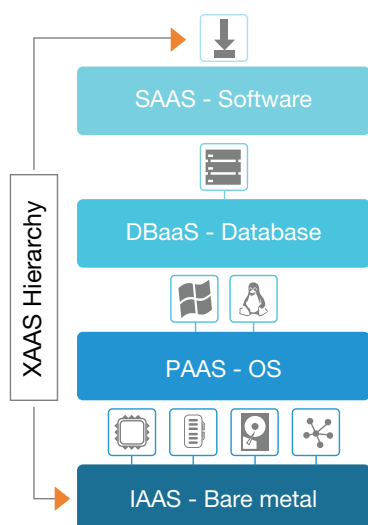
This is where DBaaS comes in.

What is DBaaS?

With infrastructure demand swiftly outpacing the capability of IT to deliver, DBaaS is the prime example of the 'as a service' model helping organizations move from a reactive to a proactive approach for data center management.

DBaaS helps address these challenges, by delivering a platform that enables users to provision databases in a faster, secure and cost-effective manner. The self-provisioning aspect also enables the platform to charge back users on the basis of individual consumption, thus lending measurability and accountability.

Besides the self-provisioning benefit, DBaaS also enables organizations to ensure consolidation, standardization and centralized management of databases. It facilitates faster application development as well as rigorous regulatory compliance through patch management.



DBaaS is a service delivery platform with shared or consolidated database infrastructure, enabling faster database provisioning (ideally, via self-service tools) and Managed Maintenance services with better scalability and following advantages:

Improved time-to-market	Reduction in license & support costs	Efficient use of hardware	Enterprise SLAs are available to all consumers	Standards are easily enforceable
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Comparison of Database deployment:

Traditional	DBaaS
Release DB to Apps	Hardware procurement
Database build	Forecast driven capacity planning
Finalize database design	Release DB to Apps
Configure up to OS level	Automated provisioning
Hardware sizing & procurement	DB creation request

Why DBaaS?

Organizations of any size can benefit from consolidation and outsourcing of their database management tasks on a standardized and optimized platform. Users can request database services from a predefined service catalog, utilize it over the necessary time period, and then have them decommissioned automatically when no longer necessary.

DBaaS not only helps management of diverse sets of database from a single platform, but also deliver significant cost benefit by efficiently re-purposing existing servers and storage. By providing an on-demand access to infrastructure in a scalable, metered and self-service model, DBaaS offers several key benefits:



Rapid and self-provisioning of databases



Reduction of database sprawl and increased standardization

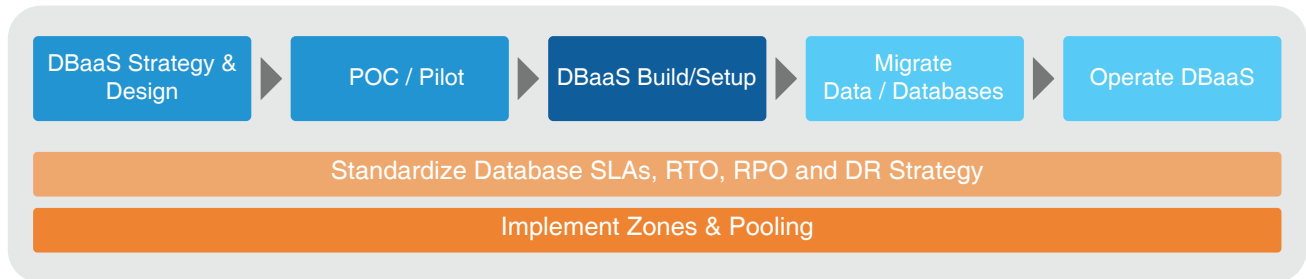


Enhanced security and regulatory compliance



Automated database administration and monitoring

Mphasis approach to DBaaS enablement



Success stories

UK's top integrated energy company virtualizes its datacenter environment with Mphasis

- 500+ databases with over 19 highly complex, critical and integrated applications
- High maintenance costs due to database sprawl
- Expensive licenses paid for niche database technologies

- Mphasis migrated more than 500 databases from their legacy system to a virtual Cloud
- Set up an on-demand provision and a policy for dynamic application delivery to support mission-critical applications
- Implemented a modular framework to ensure plug and play services and standardized their entire database estate

- 7 Million GBP saved year-on-year due to the migration exercise
- Data center transformation helped reduce hardware costs by 70%

Client

Problem statement

Solution provided

Business value delivered

Mphasis helps a US based grocery manufacturing and processing conglomerate improve availability, scalability and standardization in their datacenter environment

- Migration and consolidation of 300+ databases under strict timelines
- Reduce end of support risks due to legacy databases
- Improve security and standardization of the complete environment

- Mphasis set up automated migration and post migration processes and phased out their legacy database versions and standardized the entire datacenter estate
- The entire exercise was carried out under strict timelines with more than 80 databases migrated in just 2 weekends

- 40% reduction in database space and 30% reduction in downtime
- Auto-Build tool that cut down new server build time from 42hrs to 4hrs

Why Mphasis for DBaaS?

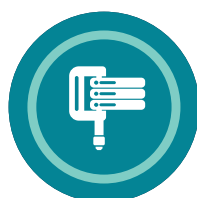
Mphasis' DBaaS offerings covers the entire database lifecycle from design, pilot, setup, migrate to the operational stage. We enable movement to an instant, on-demand managed database model to avail the complete benefits of DBaaS, supported by our unique offering of tools and utilities.

With automation at the heart of our framework, we help



DbConsole (Automated database provisioning and management console)

- Self-service provisioning, patching and decommissions
- Centralized dashboard for reporting/trend analysis



DbGauge (Granular reporting of resource usage)

- Granular metering of resource usage
- Chargeback rules to ensure business accountability



DbSecure (Database Compliance & Assessment Tool)

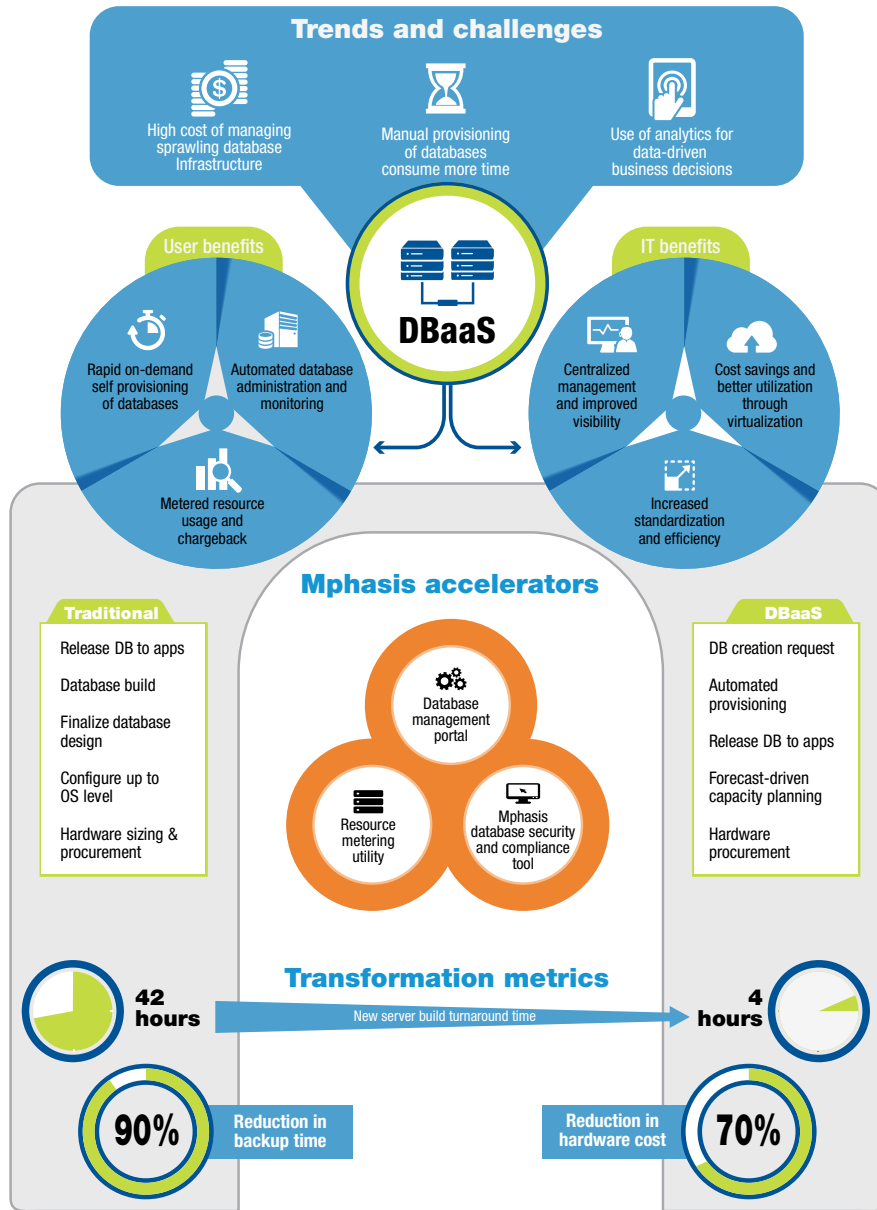
- Auto-Detection of security threats
- Improve adherence to standard compliances

optimize database utilization, reduce IT expenditure, and resource utilization, and enable meeting business demands quickly and efficiently.

The ecosystem of tools that is built around the core framework helps regain control of database environment:

Database as a Service

Revolutionize the way databases are managed



About Mphasis

Mphasis is a global technology Services and Solutions company, specializing in areas of Digital and Governance, Risk & Compliance. Our solution focus and superior human capital propels our partnership with large enterprise customers in their digital transformation journeys, and with global financial institutions in the conception and execution of their Governance, Risk and Compliance strategies. We strategically focus on next generation technologies for differentiated solutions, delivering optimized operations for diverse clients. Contact us on www.mphasis.com

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