

# INFOSYS DATA STRATEGY AND DIAGNOSTICS (DSD) PLATFORM

## Business Imperative

Enterprises are struggling with the proliferation of reporting and data management systems, multiple tools and technologies and numerous data marts. Moreover, thousands of reports are being commissioned in the production system without any visibility on their usage and relevance in the overall BI ecosystem. This has led to reduced agility, lack of a single source of truth and serious concerns over data quality and security.

In our experience, typically only 30-40% of insights (data, metadata and reports) available enterprise-wide are used. Therefore, effective governance of data, reports and metadata is important to maintain consistency, reduce clutter and costs. From a business perspective, this means eliminating unnecessary clutter, redundancy, duplication, and sunk costs in terms of services and licenses. From an IT perspective, it means eliminating unnecessary stress on IT assets and ineffective utilization of resources. Therefore, as enterprises set out on a path of consolidation and modernization of their BI landscape, it is imperative to run diagnostics on it to understand usage and relevance of both the data, metadata as well as the reports. This will help understand data assets better to define a data strategy, standardize reporting and analysis across the enterprise.

## Solution Overview

Infosys Data Strategy and Diagnostics Solution facilitates the analysis of an enterprise's growing sets of data and reports across various applications and databases in an integrated fashion, and derive insights on the usage, definitions and performance of data and reporting objects.

The solution helps achieve the following:

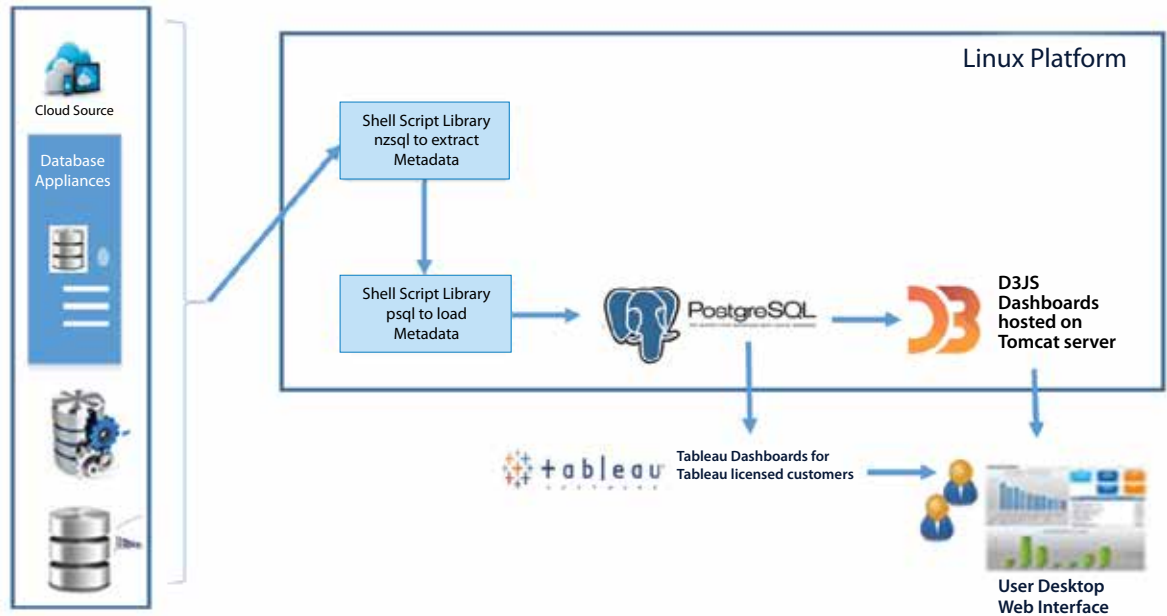
- Visibility on the usage patterns by user, report and table
- Evaluate performance in a top down and bottoms up manner for effective diagnosis of the issue across the visualization, metadata and data layer

- Enables the discovery of the database capacity in real-time to determine the fastest growing tables, abnormal spikes in space, spool/temporary space utilization
- Enables identification of data access and usage patterns, stale partitions and indexes maintenance
- Enables the discovery of the database health, CPU/IO utilization, delay time/wait IO pattern
- Effective workload management of servers

DSD is an Assessment Platform that provides metadata insights on Appliances, Databases, ETL and Visualization layers.



## Solution Architecture



## The value

- Helps simplify and optimize BI and reporting systems for better adoption by removing duplication and redundancy
- 50% reduction in effort with usage and performance assessment
- Optimization of licenses across reporting and data management tools
- About 30% reduction in infrastructure cost in terms of data storage by identifying scarcely used data sets and devising an apt data strategy and correct single source of truth for data
- 20% reduction in resource cost by better management of resources with historical and timely resource consumption view
- 10% improvement in data quality and usage analytics by identifying data quality issues and benefiting the process
- Approximately 50 – 60% lower total cost of ownership (TCO) in 3 to 5 years in comparison to providers, offering a compelling low cost alternative

## A case in point

### A leading US-based financial institution

One of the world's largest financial institution with more than 5,000 banking centers and more than 16,000 automated teller machines spread across 91 countries and territories wanted to implement a data strategy and diagnostics due to following scenarios:

- Multiple data sources
- No proper recognized single source of truth for data
- Applications processing their own data in silos
- Excessive ad hoc server loads
- Slow performing databases/tables
- Rising infrastructure and maintenance costs

Our solution included a data strategy and performance and data usage diagnostics with notifications to the data users, architects and business users. This resulted in significant reduction in the infrastructure and resource cost and improvement in data quality and discovery. Two important benefits were delivered:

- More than 10% improvement in infrastructure cost and 15% improvement in resource cost
- Improved quality of data

For more information, contact [askus@infosys.com](mailto:askus@infosys.com)

**Infosys**<sup>®</sup>  
Navigate your next

© 2018 Infosys Limited, Bengaluru, India. All Rights Reserved. Infosys believes the information in this document is accurate as of its publication date; such information is subject to change without notice. Infosys acknowledges the proprietary rights of other companies to the trademarks, product names and such other intellectual property rights mentioned in this document. Except as expressly permitted, neither this documentation nor any part of it may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, printing, photocopying, recording or otherwise, without the prior permission of Infosys Limited and/ or any named intellectual property rights holders under this document.