ASUG Carolinas Chapter Meeting

Digital Transformation of Purdue Pharma to HANA Cloud on RISE with SAP

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Agenda

1. About Purdue Pharma
2. Project Rationale
3. Benefits Delivered
4. Considerations for Platform & SI Selection
5. Challenges Encountered
6. Key Learnings

About Purdue Pharma

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Purdue Pharma L.P and its subsidiaries develop, manufacture and market medications and consumer health products to meet the evolving needs of healthcare professionals, patients, consumers and caregivers.

Our Purpose

Compassion for patients and excellence in science inspire our pursuit of new medicines

Integrity
We do what is right

Courage
We challenge convention and embrace change

Innovation
We apply creative and agile thinking to generate solutions

Collaboration
We work together to meet our commitments and goals

Project Rationale

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END-OF-SERVICE LIFECYCLE

End-Of-Service-Lifecycle of the On-Premises Datacenters (Primary and Disaster Recovery)

VALUE ADDED SERVICES

Path for potential implementation of S4 HANA, to enable VAS supporting GxP regulations, Cybersecurity posture and vulnerability remediation.

SUPPORTABILITY

Limitation on mainstream support for SAP ERP on non-SAP clouds

MIDDLEWARE MANAGEMENT

Digital transformation of middleware

COST AVOIDANCE

Increased operational expenditure for maintaining on-premises infrastructure.

SCALABLE ENVIRONMENT

Flexible environment, capable of auto-scaling to meet ADHOC and seasonal demands with minimal downtime.

Benefits Delivered

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Improved System Performance

- **15-20%** System Performance improvement with introduction of SAP HANA database.
- SAP applications are upgraded to a stable, secure and **Highly Available** environment through SAP RISE
- **Improvements** in Integration Framework
- **Pre-built content** ready to use.

Base platform for the potential S/4HANA journey

- The migration initiative is the stepping-stone for **Purdue's potential ERP transformation journey**.
- Aligned with **Purdue's architectural standards**

Hardware Resource Optimization & Scalability

- HANA Database provides the data compression rate (approximately **4 to 1**) resulting in **storage optimization.**
- Scalability **based on need** & Utilization.
- **ECS cloud migration approach** while maintaining robust disaster recovery capabilities.

Reduced Complexity & Maintenance free

- **Optimized SAP licenses** by retiring few SAP applications and reducing the complexity
- Retired the **multiple vendor support.**
- **Simplified SAP architecture** in a unified cloud environment.

Cybersecurity and GxP compliance

- **Robust security posture** following industry recommended best practices.
- Deployed **comprehensive**, **validated**, and **documented** set of security controls
- **Automatic scanning** of cloud environment
- **Automatic remediation** of non-compliant resources
- **GxP compliance** in Life Science/Healthcare Industry is enabled

*ECS - Enterprise Cloud Service

Considerations for Platform & SI selection

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Consideration for Platform Selection

Roadmap to ERP Transformation

Landscape simplification and unification of software and IT infrastructure hence creating a roadmap for potential **S/4HANA** option while meeting the current business needs.

Cost Optimization via Vendor Consolidation

lowest possible TCO and a **unified vendor landscape.**

Compatible Solution

Solution for migrating **50+** SAP systems & **70+** non-SAP and SAP interfaces including legacy interfaces & **5000+** code remediations.

Selecting Cognizant as SI provider?

Domain Expertise

Offering both **RISE and GxP capabilities.**

Consulting

Advisory services for architecting **SAP BTP HANA Cloud** via **Smart Data Access.**

Environment Awareness

Good understanding of Purdue's **IT landscape, application design, interfaces and business processes.**

Challenges Encountered and How they were addressed

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Challenges Encountered		How they were addressed
Restricted **Operating System** access.	1	Partners coordinated with ECS* for **Operating System** tasks and **Meticulous Planning** minimized the impact.
Data transfer from source to target	2	Preferred to use **Premium SSD storage with additional IOPS and Disk Striping**.
Timing of commissioning of the **Cloud Infrastructure**	3	**Cloud Infrastructure provisioning** as per Project plan
Preprod not in original plan	4	**Reused** Production hardware for mock exercises.
Downtime Optimization	5	**Multiple Mock exercises** and a **Phased go-Live approach**
Communication challenges from OCI to SAP HANA cloud	6	**Connectivity** was established using **SDA/RTR**
APO and BW migration challenges faced due to historical unused data	7	**Data cleansing and regular housekeeping** was performed in advance

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Key Learnings

Key Learnings

1

To perform parallel migrations, it is beneficial to use **multiple LT (staging) servers**.

2

Migration and **upgrade** of content server 6.50 to 7.53 should be performed along with **OS/DB upgrade**.

3

Perform multiple **MOCK** exercises in order to achieve precise cutover plan and adopt **phased migration approach** to minimize downtime and risk.

4

Prepare production infrastructure and readiness for the **Go-Live**, by performing an **end-to-end mock rehearsal**.

5

SFTP is the recommended approach as **SSH** connectivity is restricted on **RISE** due to security controls.

6

Conduct **Storage Optimization** through out the project life cycle.

Thank you