

# Go Live Tips and Tricks and Optimizations Post S4/HANA Migration

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**SAP**insider  
2023



## In This Session

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- A Little About Jabil
- Jabil's SAP S4 Migration
- Jabil IT Advisory Services



# What We'll Cover

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- Jabil?
- Jabil's S4; Project Symphony
- Tips 'n Tricks
- Optimization
- Now What?
- Wrap-Up



Jabil?

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**JABIL**

# Built on a Solid Foundation

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1966

Founded in  
Michigan, USA

TOP TIER

Manufacturing  
Services Provider

\$33.5B

Revenue  
in fy22



Tenured  
management team

250K+

Dedicated  
Employees

400+

Customers across  
Diverse markets

100+

Sites strategically  
located around the  
world

50M+

Square feet of  
manufacturing space

27K

Supply chain  
partners

**JABIL**

**MADE POSSIBLE. MADE BETTER.**

# Markets Served

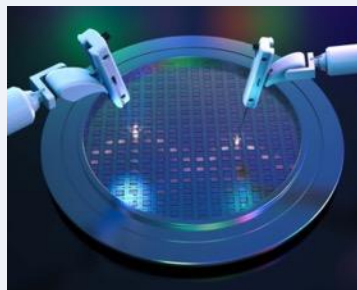
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Networking & Telecommunications



Cloud, Compute & Storage



Capital Equipment



Industrial & Energy



Building Technologies



Safety & Security



Digital Print & Retail



Smart Home & Appliances



Consumer Devices



Optics



Automotive & Transportation



Defense & Aerospace



Healthcare



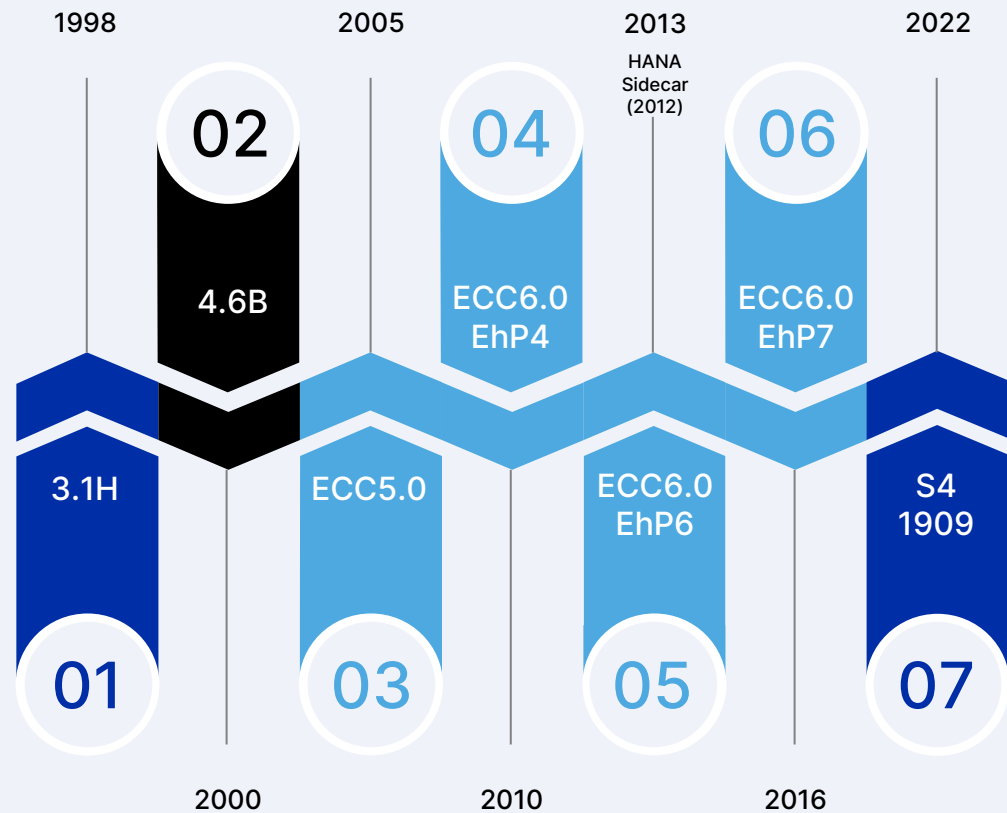
Packaging

# Jabil's SAP S4; Project Symphony

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# Jabil's SAP S4 Journey – Unprecedented Experience

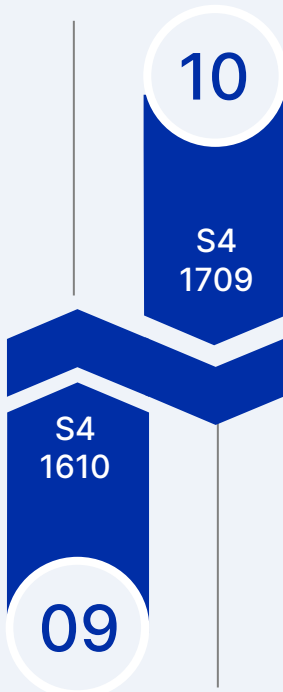


- ECC 6.0 - EHP 7 / Oracle DB
- DB Size: 67 TB
- Unicode Enabled
- Active Users: 40,000

Commercial



Healthcare



Packaging

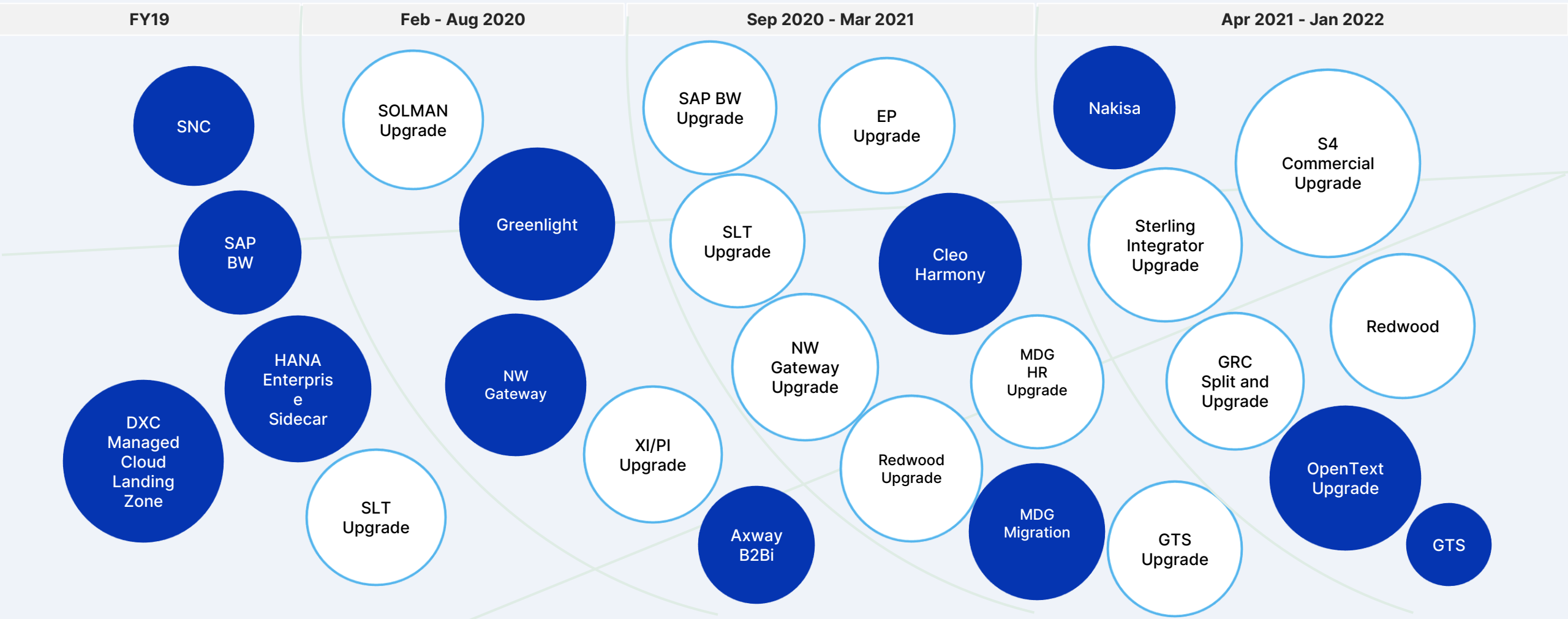


Medical



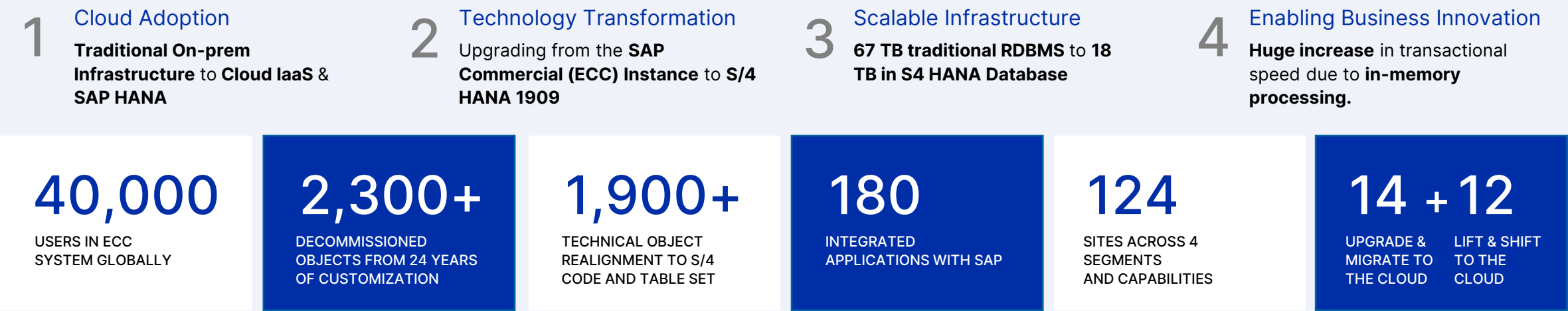
# Jabil's SAP S4 Journey – Cloud Migration and Upgrade


○ Upgraded And Moved  
● Moved



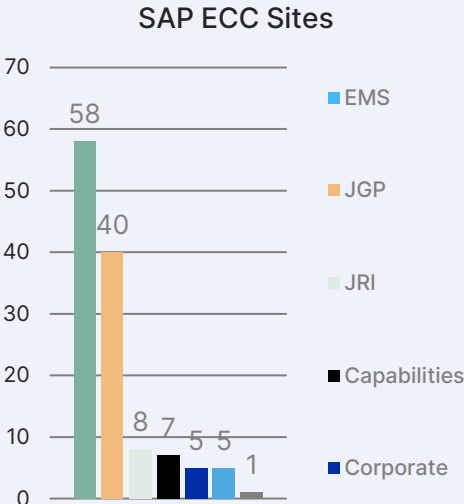
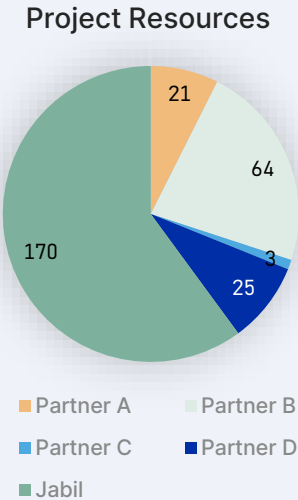
Enabler of our vision to be the most technologically advanced manufacturing solutions provider

# Jabil's SAP S4 Journey – Project Symphony





Symphony was a 3-year project with scope from completion of Pre-Projects to upgrade and full migration to Cloud



- Pre-Projects
- Deprecated T-Codes  
IMWM – 9 t-codes  
FICO – 24 t-codes
  - CVI Integration
  - ML Activation
  - SAP Integrated Applications
  - CD/TR clean-up – 440+ cleaned up
  - Finance Amount Mismatch From Delete Currency Type
  - MRP Area
  - IMWM Initiatives
  - Quota Arrangement

- Business Functionalities/Innovations
- New Asset Accounting for Multiple Currencies
  - Universal Journal Finance Transactions
  - Fiori Application for House Bank Maintenance
  - Harmonized G. L. Master Data
  - Simplified Finance Month End Closing
  - Enhanced Analytics Capabilities
  - Financial Supply Chain Management
  - Centralized Business Partner Process for Better Vendor Management
  - International Trade/Foreign Trade
  - Real Time Data Access

# Jabil's SAP S4 Journey

Comparing Jabil **Symphony** to other major S4 migrations \*\*

|                     | Jabil                 | Retail             | Pharmacy          | Telecom            | Global Mfg        | Consumer Goods    | US Utility        |
|---------------------|-----------------------|--------------------|-------------------|--------------------|-------------------|-------------------|-------------------|
| Revenue             | \$30 Billion          | \$15 billion       | \$26 billion      | \$50 billion       | \$5 billion       | \$7 billion       | \$33 billion      |
| DB Size             | 70 Terabytes          | 21 TB              | 27 TB             | 30 TB              | 03 TB             | 06 TB             | 32 TB             |
| Project Duration    | 16 months             | 18 months          | 17 months         | 18 months          | 13 months         | 17 Months         | 14 months         |
| Scale (key metrics) | 37 Countries          | 40 countries       | 62 countries      | 25 countries       | 17 countries      | 28 countries      | 01 countries      |
|                     | 147 Legal Entities    | Data not available | 12 legal entities | 130 legal entities | 18 legal entities | 72 legal entities | 03 legal entities |
|                     | 33,000 Custom Objects | 2,300 objects      | 5,000 objects     | 340 objects        | 750 Objects       | 1,000 Objects     | 550 objects       |
| Downtime            | 62 Hours              | Unknown            | 64 hours          | 66 hours           | 10+ days          | 48 hours          | 48 hours          |

\*\*Comparative information from Accenture, Sep 2021

# Tips 'n Tricks

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# Jabil's SAP S4 Journey

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## Collaboration

- Remote work
- Collaboration tools
- Ongoing Go-Live / Hypercare calls & chats

## OCM

- Key areas
- SharePoint, recordings, fireside chats, and employee email communications

## Dedicated Team

- Assigned team
- Collaborating, monitoring and decommissioning unused technology and functionalities



## Testing

- Performance testing; unable to mimic full production workloads

## Hypercare

- Focus on partner expert resources to be available during hypercare hours

## Scope Changes & Risk

- Volume of Project Changes due to a three-month push
  - Moved 3,163 transports outside of the project

# Jabil's SAP S4 Journey

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## Downtime

- Hard Freeze
- Archiving and NZDT
- ONE more Cycle (Jabil had 8)
  - 1<sup>st</sup> Dev ~6 months, LV2 ~90 minutes, Final ~67 hours

## Size

- Archiving MSEG vs MATDOC
- Compaction program MATDOC\_EXTRACT
- Partition strategy ACDOCA

## Dedicated Team

- HANA expert (LOBs/LRAWs/FDAs/Hash settings/Hints/Hex Engine-Plan IDs)
- Garbage Collector
- Assigned team
- Funding for and On Standby



# Jabil's SAP S4 Journey

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## Pre-Work

- Long running jobs in ECC
- Jobs going to spooler
- Scheduled batch jobs
- Workflows

## Proactive

- Enhancement pack updates
- Communicate to business you could experience unplanned downtimes/outages during first weeks
- DBTABLOG is not for transactional logging

## Unexpected

- Normal high water mark users was 12K, Monday after cutover was 20K (high response times thus resized app servers)
- High memory usage in RF and LSMW
- Full reload HANA Sidecar vs. Delta load

# Optimization

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# Jabil's SAP S4 Journey

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## Transformation in Finance and Beyond...

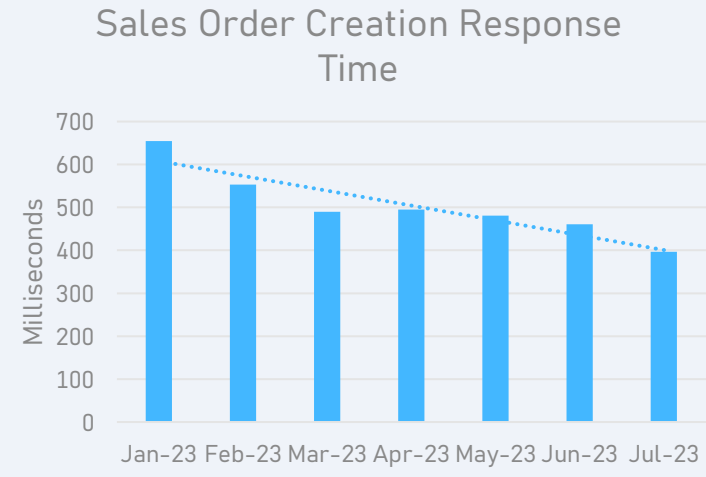
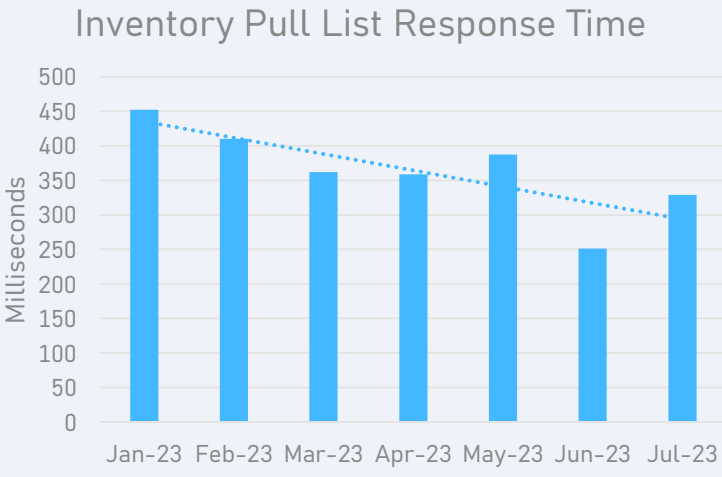
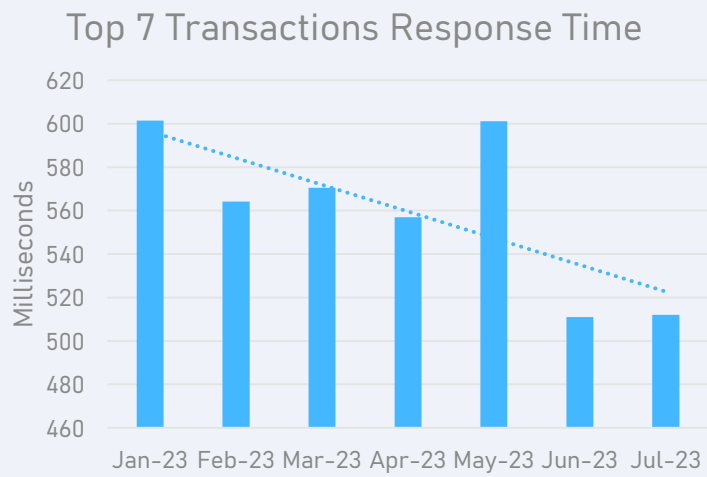
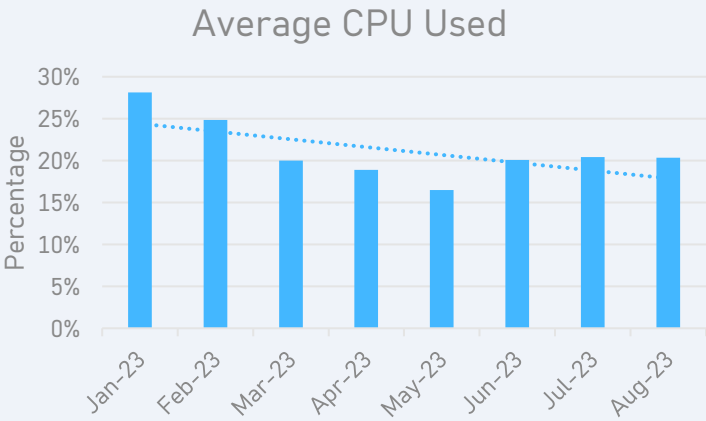
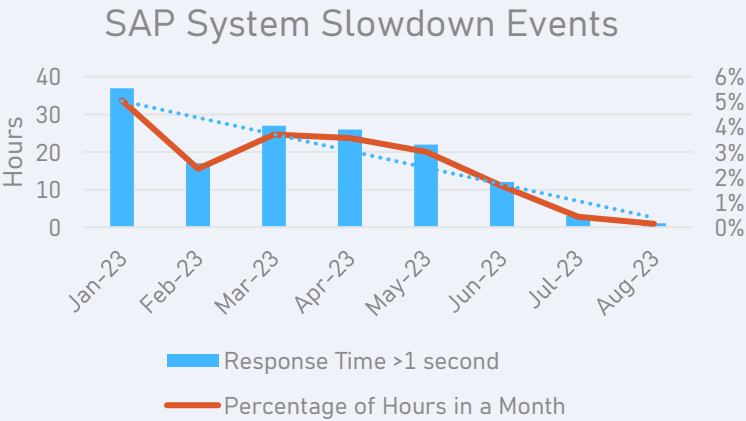
- Document Splitting (Oct 2023)
- Lease Management (Oct 2023)
- Parallel Ledger (Aug 2024)
- Fiori; custom MRP dashboard with newest framework
- Enterprise Asset Management integration via Mii

## Optimization and System Health

- HANA DB Optimizer issue
- Garbage collector / LOB Tables
- Batch jobs retired
- ABAP program tuning
- Table logging
- Archiving



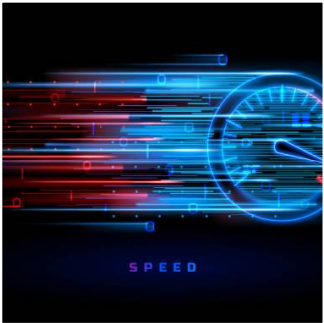
# System performance trends



# Jabil's SAP S4 Journey



Cloud Environment



Improved Performance

| What  | On Prem | Cloud       |
|---|---------|-------------|
| App server resizing                                   | Days    | Hours       |
| App server move between Availability zones (AZ)       | Weeks   | Hours       |
| Collapsed number of servers, moving to larger systems |         | Flexibility |
| Have 3 data centers vs 2 data centers                 |         | Redundancy  |

| T-Code  | Oracle      | Hana       |
|---|-------------|------------|
| VA05 (List of SO)                             | Timed out!  | 45 seconds |
| KE24 (Display Actual Line Items (Cost Based)) | 40 minutes  | 10 seconds |
| TAANA (table analysis)                        | 9 minutes   | 3 seconds  |
| Z_IMWM_SERIAL_CHANGE_REPORT                   | 100 minutes | 4 minutes  |
| CORUPROC (Backflush)                          | 60+ minutes | 2 minutes  |

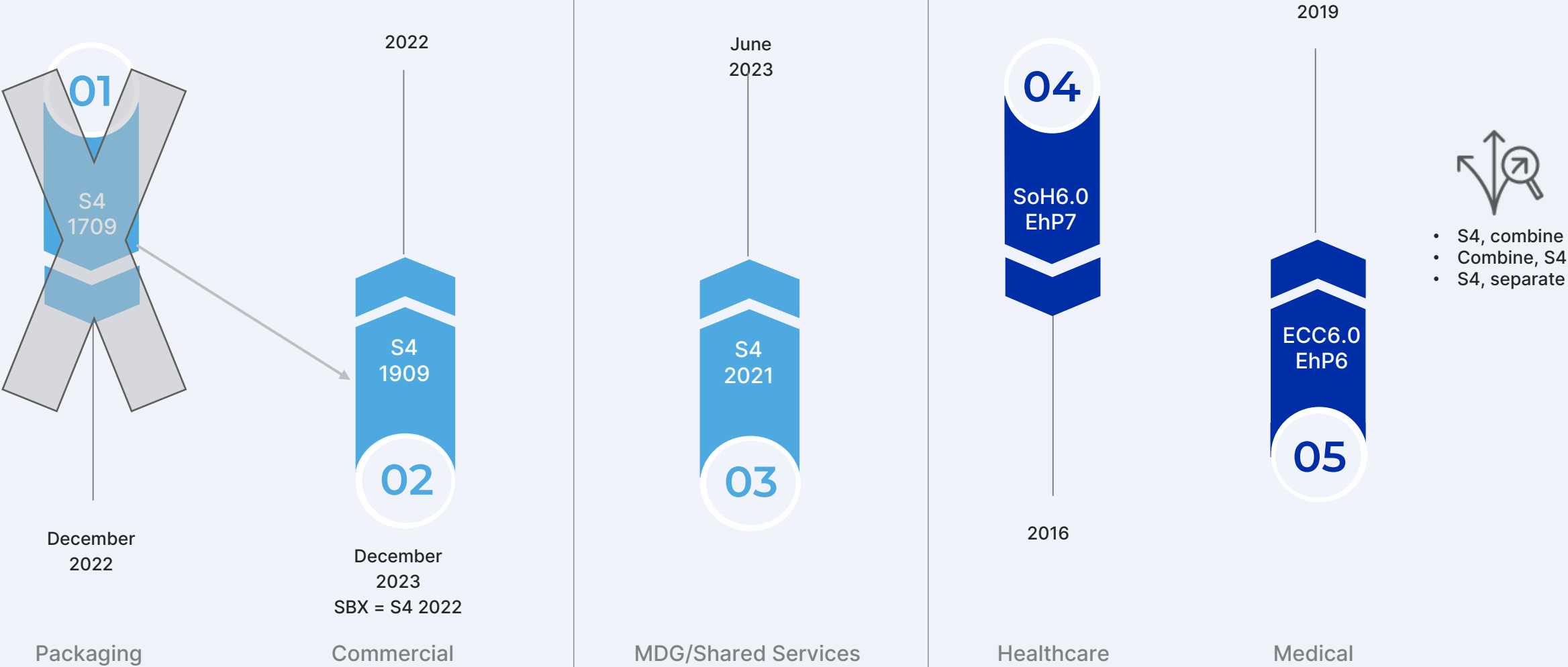
# Now What?

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# Jabil's SAP S4 Journey



# Jabil IT Advisory Services

## Project Setup Services

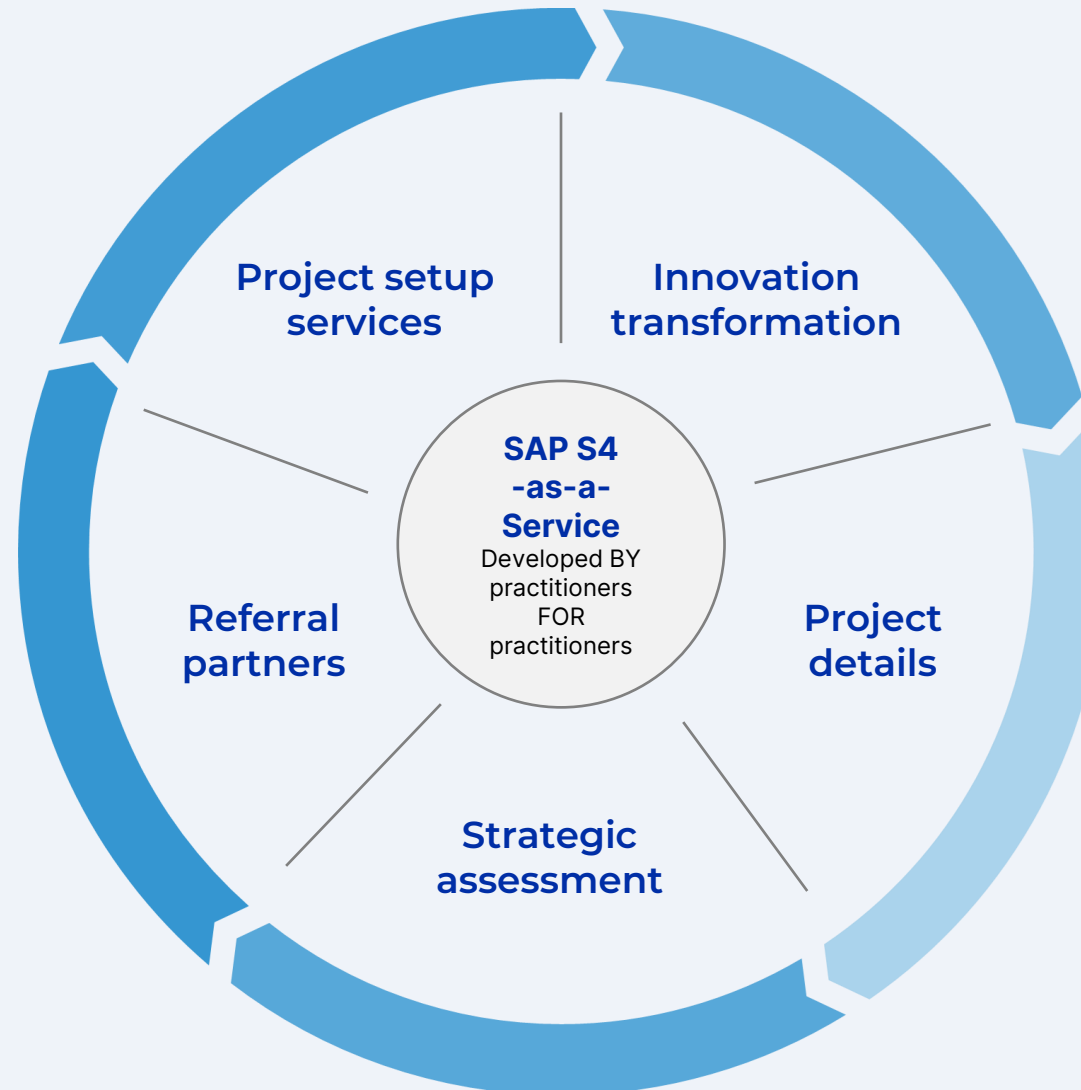
- SAP transformation analysis and roadmap
- Gap analysis, RACI, & organizational development
- Support RFP for Technology Selection
- Support SOW for Technology Details
- Project Budget and Forecasting
- Business case; funding and business support

## Referral Partners

- Implementation Partner
- Code evaluation Partner
- Zero Downtime Partner

## Strategic Assessment

- License coverage recommendation
- Team Skills evaluation
- Standard SAP Readiness reports / usage functionality
- Evaluate Downtime/Cutover needs



## Innovation transformation

- Recommendations for Innovation before, during and post go live
- Transformation initiatives before, during and post go live

## Project Details

- Recommendation for Pre-Requisite projects
  - 3rd Party Management
- Cloud Decision and Direction
  - Dual Maintenance Strategy
    - System Validation and recommendations (FDA, etc.)
- Testing / Quality management
  - Company OCM strategy
- Program Management / Project Team structure

# Wrap Up

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# Where to Find More Information

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- <https://news.sap.com/2023/06/jabil-transforms-innovates-sap-s-4hana-cloud/>
- <https://www.techtarget.com/searchsap/news/365534129/Jabils-S-4HANA-Cloud-move-Shift-now-transform-later>
- <https://smartshift.com/forrester-tei-of-smartshift/>
- <https://letstalkdatapodcast.podbean.com/e/ep-85-let-s-talk-data-subseries-jabil/>

For additional information, visit: [jabil.com/it-services](https://jabil.com/it-services)



# Key Points to Take Home

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- You can do something NOW
- ONE more cycle!
- Archive, Archive, Archive...
- Do your housekeeping BEFORE
- Beware of your Garbage
- Jabil can help YOU to be successful

# Thank you! Any Questions?

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