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SAP on Azure: Migrate, Modernize & Manage

How Kyndryl supports SAP in the enterprise

SAP ECC & ERP

Managed SAP in the Cloud

Project & POC Support

Migrations, Upgrades & Enhancements

Cloud Adoption

3rd Party Integrations

Resiliency HA & DR

SAP Assessments

Cyber Protection for SAP

SAP Ecosystem Services

SAP BI and Data Services

SAP Rise Extensions including BTP

Hybrid & Multicloud Solutions

HANA & S/4HANA

SAP Cost Optimizations

Non-SAP App Management (215k apps)

SAP Business Suite Support

Modernize SAP & data estate leveraging Azure analytics, AI, and Microsoft Power BI visualization

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More challenging IT estates

ERP systems are critical sources of enterprise data that are increasingly focused on achieving a state of operational excellence & organizational resilience to address increasing workloads, complex IT estates & skills gaps

75% of technologists say IT became more complex as a result of their pandemic response

AppDynamics

The reason there is a [skills] shortage is it's hard. If it was easy, we'd be paying everyone minimum wage.

Craig Robinson, analyst IDC via SDxCentral

76% of IT decision makers worldwide have highlighted skills gaps

Global Knowledge

58% of IT leaders say infrastructure management is a growing drain on resources as their use of cloud services has increased, and their teams are forced to switch between different solutions and dashboards to gain insights

Dynatrace

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Leverage Microsoft's SAP investments

Leading technologies through strong data & AI partnerships

By incorporating Azure-native capabilities into our solutions, SAP customers benefit from best-of-breed extensions without reinventing the wheel or signing numerous contracts.

Kyndryl offers low-code/no-code extensions prebuilt for SAP, PaaS, SaaS, and 3rd party extensions for S/4HANA and other industry solutions.

More Apps

Across all application types, organizations plan on increasing their enterprise application investments from 33% to 64%

Source: Digital-First World: Enterprise Applications Are Shifting and Reshaping as the Digital World Evolves, IDC Perspective, June 2022

More Data

Data scientists spend 39% of their time on data wrangling

Source: Data science needs drudges, InfoWorld, 3 August 2021

More Workloads

88% of IT leaders say workloads increased in the past 12 months

*Source: Why IT Leaders Are Banking on Low-Code, Salesforce, 15 June 2021*

Project Failures

"In an analysis of hundreds of AI project failures [research concluded] that organizations are not understanding that AI project lifecycles are continuous"

Source: What A Research Firm Learned From Hundreds Of AI Project Failures, Forbes, 29 August 2022

Inability to Scale

Through 2025, 80% of organizations seeking to scale digital business will fail because they do not take a modern approach to data and analytics governance

Source: Data and Analytics Governance as a Business Capability: A Gartner Trend Insight Report, Gartner®, 22 August 2022

Slowing Innovation

70% of IT leaders say increased workloads curb ability to innovate

Source: Why IT Leaders Are Banking on Low-Code, Salesforce, 15 June 2021
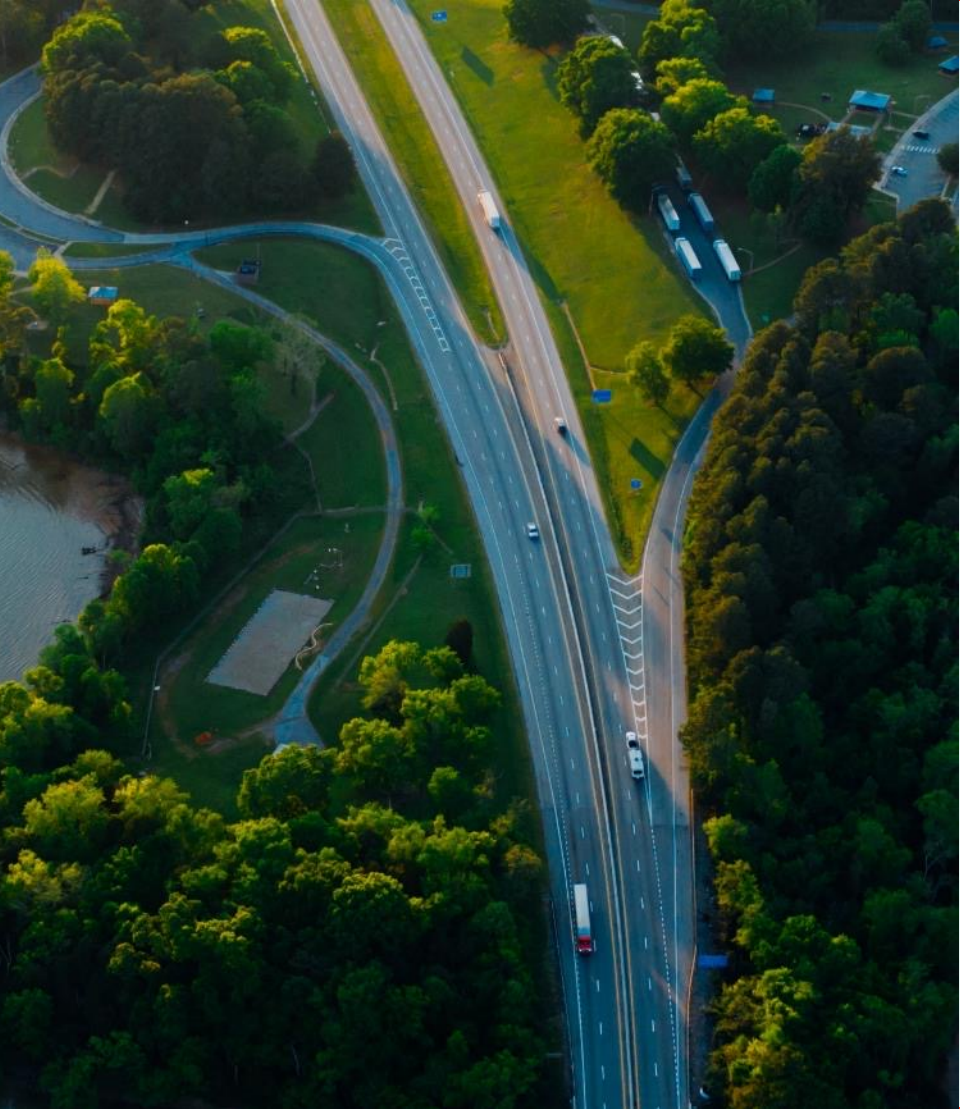
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Kyndryl brings talent, expertise, and a proven service design to help you co-create solutions that deliver innovative customer experiences
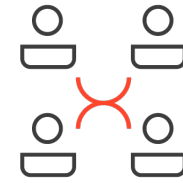
Rich experience and deep expertise through our **people**, best-practice **frameworks** & **IP**

Reliable services across hybrid/multicloud environments with **minimal business disruption**

Innovate with **Kyndryl Bridge** digital integrations & co-create with designer-led **Kyndryl Vital** teams

Kyndryl blends deep expertise with over 30 years' experience modernizing, migrating & managing ERP workloads

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An open integration platform delivering IT solutions by leveraging Kyndryl's core strengths, data-driven insights and expertise
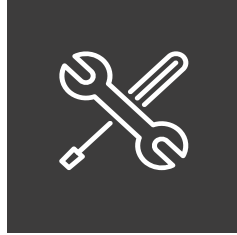
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Our designer-led co-creation experience that brings partners and customers together to solve complex business problems

Kyndryl provides solutions to common SAP migration and modernization challenges
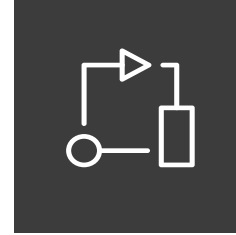
Lines of business need flexible, agile approaches to accurately predict costs.

Skills and resource shortages can make projects more time consuming and less efficient.

Projects may be hampered by a lack of standard, consistent and globally available discovery, planning & execution methods.

The IT staff requires more bandwidth to support projects.

IT staffing shortages and change management issues can impact the business.

Flexible, modular services with predictable, repeatable results.

Agile delivery & continuous improvement to maximize learnings, minimize risk & manage costs.

Consistent, repeatable delivery with experience from similar projects & standard automated processes.

Agile squads to support worldwide projects of various sizes & complexities.

Broad partner ecosystem to support cloud-native and 3rd party extensions.

Solution example: Hybrid application management for SAP and non-SAP systems

A worldwide enterprise client needed a partner to successfully integrate and manage dozens of cloud and 3rd party applications.

Results

Successful integration of SAP and non-SAP systems and management of SAP globally.

Manage and integrate SAP and 100s of non-SAP systems

Additional requirements:

- Global 24/7 operational support for all systems, including dozens of middleware systems

- New enterprise-wide resiliency model

Advisory Solution

Kyndryl SAP advisory team:

- Assessed the application landscape

- Mapped latency-sensitive connections and built an application management plan

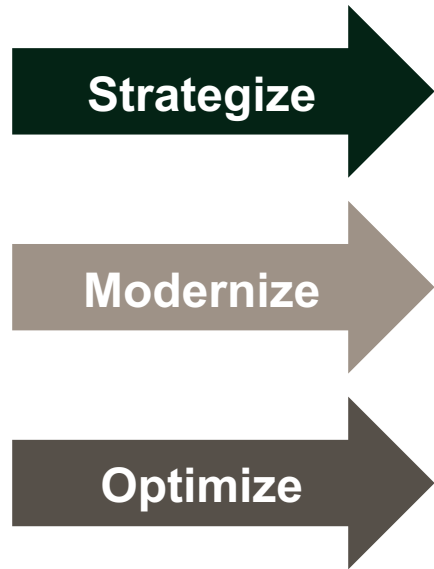- Designed and modernized an operational model

## Services Solution

Kyndryl SAP managed services team:

- Managed SAP globally

- Managed the integration of ERP connects

- Provided an enterprise team to manage OS, DB, MW for all 3rd party applications

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Kyndryl's digital-ready SAP portfolio

	Infrastructure	Applications	Data	Innovation
Strategize	S/4HANA Implementations Workload Migrations S/4HANA Upgrades BTP Implementations Merger/Acquisition/Carve-Outs	S/4HANA Business Suite on HANA SAP ECC	Integration Maturity SAP & Non-SAP Integrations Partner Integrations	Drive continuous innovation & optimization
Modernize **Optimize**	Migrations Disaster Recovery (DR) High Availability (HA) OS/DB Conversions LaMa Audits	Central Finance, BRIM, REFX, PaPM, PLM Process Optimizations App Modernization Managed App Services User Experience	Data Strategy BW/4HANA / DWC Transformation Analytics Cloud Master Data Management Governance Visualization Integrations	BPM with BTP Process Automation Low-Code/No-Code Models Ops/ Scaling Internet of things (IoT)

Functional Testing / Governance & AI Services

Kyndryl's integrated building blocks

Cloud	Data & AI	Digital Workplace	DevSec Ops, Agile	Network & Edge	Security Resiliency
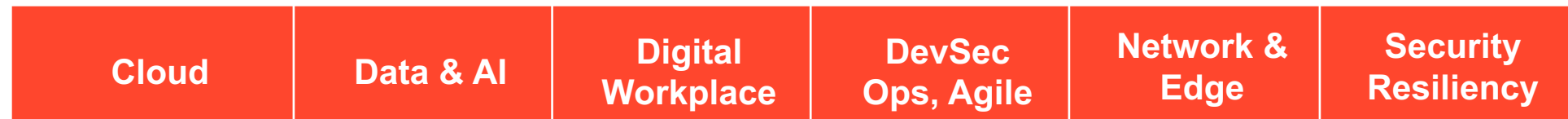
Single Service Platform (SAP/Non-SAP/Cloud/On-Premise)

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Kyndryl managed services differentiation

- Kyndryl provides the **core services** critical to ERP clients

- Kyndryl goes beyond core services by supporting **the full IT footprint** for clients

- Kyndryl can manage the **OS/DB/MW** of most 3rd party applications that connect/integrate to ERP suites

- Kyndryl provides **composable ERP** options and brings **innovative service extensions** to help clients with ERP enablement

- Kyndryl's **SAP Advisory** team can solve the most complex solutions clients may encounter

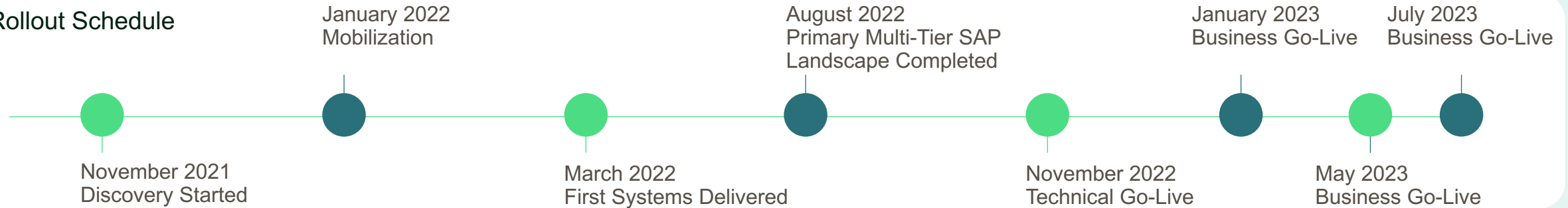|	Services	Kyndryl
Consulting & System Int.	Business Process Consulting	√
	System Integration	√
	IT Consulting	√
	Data & AI Consulting	√
Innovate	Cyber Resilient ERP - Ransomware and Cyber Attacks	√
	ERP Data Integrations - 3rd Party	√
	AI Integration - 3rd Party	√
	Last-Mile Integrations/Adapters	√
Tech. App. Mgmt.	Non-ERP - Middleware Support	√
	Non-ERP - DB Support	√
	Non-ERP - OS Support	√
	Migration to Any Cloud	√
	Integrated Security/Compliance	√
	Manage SAP S/4HANA	√
	Manage SAP NetWeaver Applications	√
	Managed HANA	√
	Managed RDB (Oracle, DB2, SQLSrv, ASE, HANA)	√
IaaS Mgmt.	Managed OS Only (backup, monitoring, etc.)	√
	Cloud IaaS	√

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Real transformation: Our SAP journey

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SAP Global Partner

SAP Migration to Azure

Kyndryl inherited complex legacy systems that did not align with a simplified business and modern technology strategy. Kyndryl needed to pivot to an agile, cost-effective, and streamlined environment that could scale with our business requirements.

Rollout Schedule

	January 2022 Mobilization	August 2022 Primary Multi-Tier SAP Landscape Completed

January 2023 Business Go-Live

July 2023 Business Go-Live

November 2021 Discovery Started

March 2022 First Systems Delivered

November 2022 Technical Go-Live

May 2023 Business Go-Live

S/4 Hybrid Landscape with S/4 HANA (on-prem license) on Azure with SAP Cloud Services

Our implementation scope included:

- Finance and Accounting
- Order-to-Cash
- Source-to-Pay

- SAP Sales Performance Management
- Master Data Governance
- Foundational process using SAP Enable Now
- Improve user adoption with SSO and GRC

Benefits

- Accelerated results through simplified business processes
- Integration of collaboration and messaging tools for efficiency
- Modern technology solutions enhance skill development and resource deployment
- Streamlined approvals and decision-making
- Improved user experience, self-service and business insights

Our Next Chapter

Initial Scope - Order to Finance
Potential extensions:

- Process efficiency monitoring with Signavio.
- Pre-Contract Signature processes
- Payroll
- Consumption Billing

Highlights

- **80% reduction** in enterprise applications; consolidation of **over 30% CIO apps to SAP & Workday in < 21 months**
- **90% reduction** across 166 countries in Information Warehouses and Master Data apps. Aligning to **one visualization tool (FIORI)**
- **100+ integrations via BTP integration center** – includes advanced event mesh for MDG queues

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# Where Kyndryl can accelerate the SAP investment on Azure

Our Partnerships…

- **Data solutions for SAP**– legacy, modernization, lakes management, platforms

- **Intelligent migrations** with SNP for pinpoint migration designs

- **System integration partners** to help with true code remediation or S/4HANA adoption
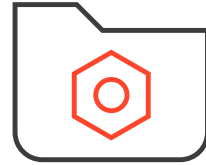
Our Innovations…

- **Ransomware and cyber event** protection with cyber-resilient SAP on Azure Marketplace

- **Advanced specializations** with MS Azure – SAP and beyond

- **AI-enabled services** for industry solutions on SAP ECC/HANA and S/4 HANA
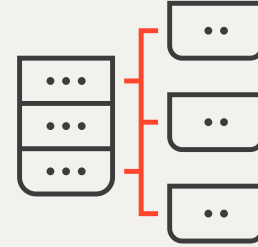
SaaS Integrations…

- **Azure investments can be integrated** into SAP (by request)

- SAP Cloud Platform, **BTP, and RISE service extensions** on Azure

- **SAP integrations with 3rd party products** – Salesforce, EPIC, Workday, etc.

Ecosystem Guru…

- Support for **215K+ applications** that attach to SAP

- SAP & Azure **integrations for middleware** applications

- **Resilient operations** to support the logical app tier, beyond just SAP/ERP.

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A U.S. high-tech manufacturer

Optimizing SAP systems

A U.S. provider of products and systems that purify, protect, and transport critical materials used in the semiconductor device fabrication process needed help optimizing their SAP environment.

Business Challenge

The customer was facing growth and capacity challenges with their SAP environment, including performance issues with SAP Business Warehouse (BW) workloads, and needed help optimizing data cubes, pipelines, queries, and reports in BW.

The customer required a partner with a high level of SAP expertise to analyze and optimize complex queries.

Transformation

Kyndryl's archiving experts worked with IT and business owners to:

- Review large technical tables

- Identify meaningful retention periods and policies

- Analyze complex SAP Business Warehouse and Microsoft Power BI queries

- Identify and advise on table partitioning

- Identify and eliminate duplicate reports

Results

Kyndryl worked with the customer to implement an optimized and well-partitioned enterprise SAP environment with retention, archiving, and deletion policies to help improve data quality and system performance:

– Created SAP HANA-optimized InfoCubes to improve system performance

– Performed table consistency checks in SAP BW to validate the structure of database tables

– Defined data retention policy and implemented archiving and purging according to policy

– Optimized Microsoft Power BI Dashboards for high performance

– Implemented a duplication and removal process to ensure high data quality

Why Kyndryl for SAP on Azure

Our Customers

We work in partnership with thousands of customers and are dedicated to ensuring that each achieves peak digital performance

30+
… years of designing, building and managing mission-critical IT environments

Including
…of the Fortune Global 100 and more than half of the Fortune Global 500

60%

We manage vital environments in critical industries

5/5 of the top automotive companies by revenue

11/20 of the top insurance companies by revenue

4/5 of the top consumer staples retailers by revenue

3/5 of top telecom companies by total mobile connections

5/10 of top airlines by total revenue passenger miles (RPM)

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Microsoft Partner | Azure Expert MSP
Microsoft

6 Microsoft Azure Advanced Specializations

- SAP on Azure
- Azure VMware Solution
- Analytics on Azure
- Kubernetes on Azure
- Azure Virtual Desktop
- Low Code Application Development

5 Microsoft Solution Partner Designations

- Azure Infrastructure
- Azure Digital & App Innovation
- Security
- Azure Data & AI
- Modern Work

Kyndryl Services

Cloud
Delivering seamless advisory, migration, modernization, and management services integrated with Microsoft Cloud

Core Enterprise & zCloud
Manage mission-critical workloads seamlessly by modernizing mainframes to handle high-volume, always-on computing with Microsoft Cloud

Digital Workplace
Accelerate hybrid work capabilities and enable collaboration from anywhere with strategy, design, architecture and implementation of Microsoft 365

Application, Data & AI
Providing full application platform hosting and expert assistance for application modernization to Microsoft Azure

Network & Edge
Provides unified Network Services for Microsoft Cloud and data center connectivity

Security & Resiliency
Providing full application platform hosting and expert assistance for application modernization

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Kyndryl advances the vital systems that power progress

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Visit our website to learn more

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Thank You