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Kyndryl Skytap Assessment

Kyndryl Consult

September 2024

Kyndryl /Microsoft Partnership

We help businesses accelerate the modernization of applications, infrastructure and hybrid work to drive operational excellence and achieve rapid business outcomes.

Modernizing and managing the world's mission critical IT

Trusted integrator and innovator with the scale and expertise to advance vital systems and power progress with responsible enterprise-grade GenAI.

Leading secure cloud technologies in the GenAI era

Most trusted and secure cloud provider offering market-leading core technologies with a tailored industry focus, empowering the world to achieve more with AI.
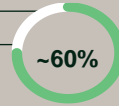
Together we power progress

Why customers choose Kyndryl with Microsoft

Our Customers

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

>4,000
global customers

Including
of the Fortune 100; more than half of the Fortune 500

~60%

Providing undisputed leadership

6.1M mainframe installed MIPS

3.5M LAN ports managed

300K network devices managed

5,200+ WAN devices managed

67K+ VMware systems managed

14K+ SAP instances managed

3.5+ exabytes of customer data backed up annually

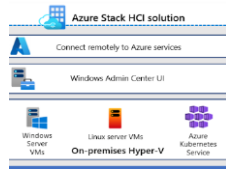## Modernizing and managing the world's mission-critical systems

Enterprise AI Services

vmware | **Microsoft Azure**

Azure VMware Solution (AVS)

Mainframe Modernization

Azure Stack HCI + ARC

SAP on Azure

SAP + Microsoft

Digital Workplace Services (DWS)

Copilot

Skytap
A Kyndryl Company

Cyber Incident Recovery

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 AI Cloud

Digital Workplace
Accelerate hybrid work and enable collaboration from anywhere with strategy, design, architecture and implementation of Copilot for M365

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

Network & Edge
Provides unified Network Services for Microsoft Cloud and data center connectivity
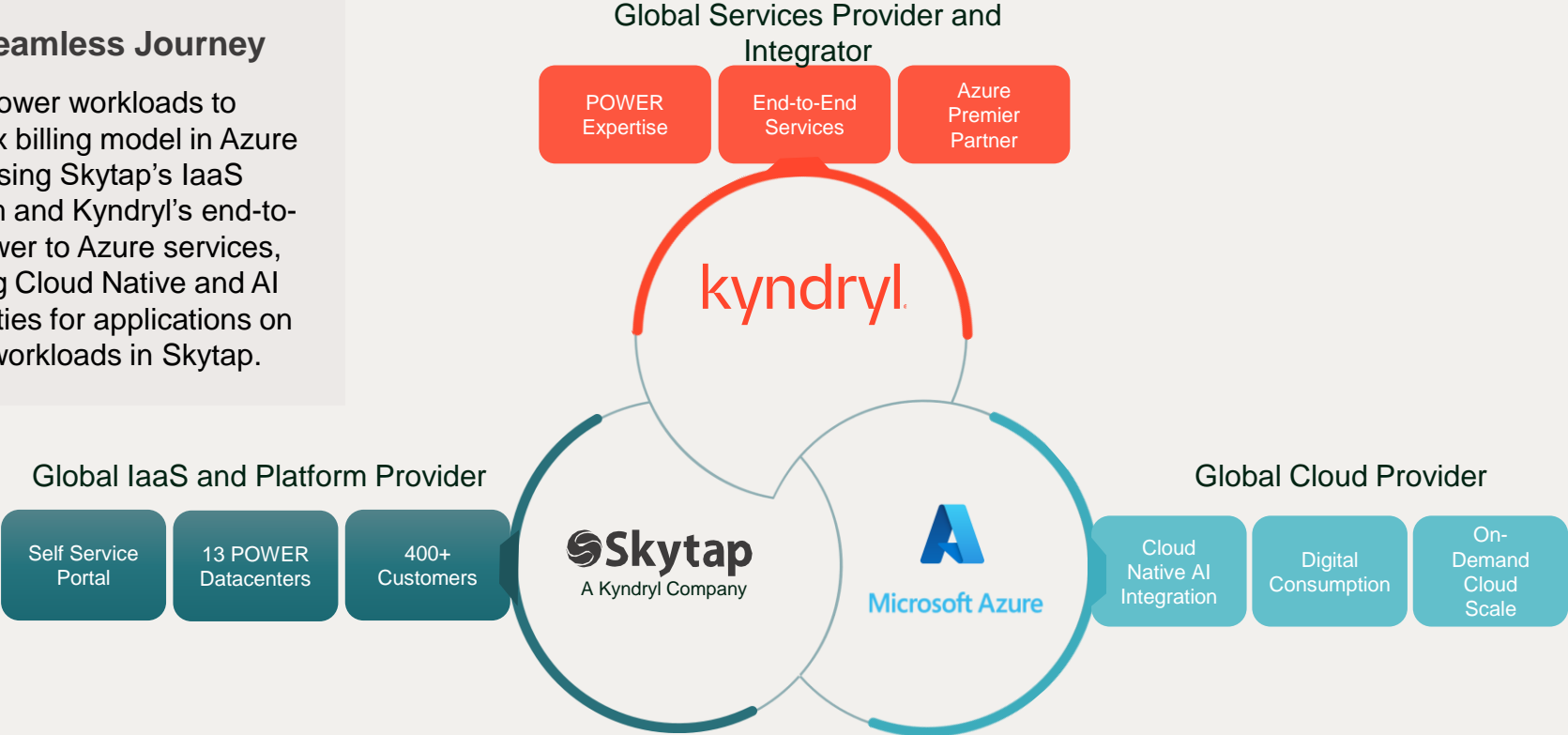
Security & Resiliency
Providing full application platform hosting and expert assistance for application modernization

Kyndryl advances the vital systems that power progress
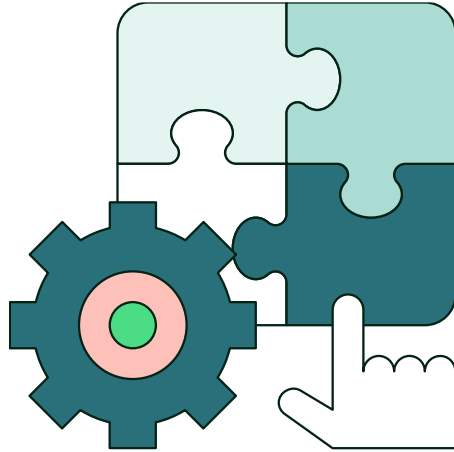
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Kyndryl + Skytap + Microsoft

One Seamless Journey

Move Power workloads to an Opex billing model in Azure Cloud using Skytap's IaaS Platform and Kyndryl's end-to-end Power to Azure services, enabling Cloud Native and AI capabilities for applications on Power workloads in Skytap.

Global Services Provider and Integrator

POWER Expertise

End-to-End Services

Azure Premier Partner

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Global IaaS and Platform Provider

Self Service Portal

13 POWER Datacenters

400+ Customers

Skytap
A Kyndryl Company

Microsoft Azure

Global Cloud Provider

Cloud Native AI Integration

Digital Consumption

On-Demand Cloud Scale

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Kyndryl + Skytap Solution

GenAI Integration & Utilization

AI can be Enabled, Integated, or fully Embedded with POWER data with CoPilot and GenAI capabilities and features

Digital Consumption Model

Shift from CapEx to OpEx model to drive department efficiency, agility, and modernize IT operations

Legacy Support and Refresh Risk Reduction

- Support for legacy hardware and OS
- Hardware Refreshes with Skytap and Microsoft

Comprehensive Secure & Compliant Platform

Backed by Azure's WAF and SLAs, and with Skytap's SOC1, SOC2, SOC3, ISO, PCI, and Pen Test compliance certs, Kyndryl's Skytap solution is the most compliant and secure POWER on cloud platform

On-Demand Cloud Scale

Cloud scalability, flexibility, agility, and global availability

POWER Expertise

- AIX & IBMi Expertise
- Largest footprint of managed POWER workloads

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Benefits

1 **Fast, Scalable, & Non-Intrusive Discovery**

Infrastructure inventory collection; basic performance, data protection, and HA/DR analysis

2 **Cloud Fit & Suitability**

Identify cloud value potential, risks and remediation early

3 **Shaped Consumption Plan**

Leverage OPEX cloud consumption model; Deliver the highest savings & ROI in Microsoft Azure

4 **Defensible & Competitive Financials TCO-ROI**

Validated cost models for on-prem and on-cloud findings

5 **Consumable Roadmap & Wave Planning**

Show how-to-consume – first, second movers (etc.)

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What is Kyndryl Skytap Assessment*?

Kyndryl Skytap Assessments are designed to focus on LPARs/VMs running on IBM P Series, IBM i/AS400 and associated x86 in Customer's On-Premise Data center and make recommendations on infrastructure readiness for Skytap on Azure Cloud.

01 10 LPARs/VMs running on IBM P Series, IBM i /AS400 and associated x86 in Customer's On-Premise Data center

02 Assessment will be done based on Performance, I/O, Data Protection, Security and Compliance and HA/DR based data.

03 Analysis is based on questionnaire, customer interviews and tool-based (performance)
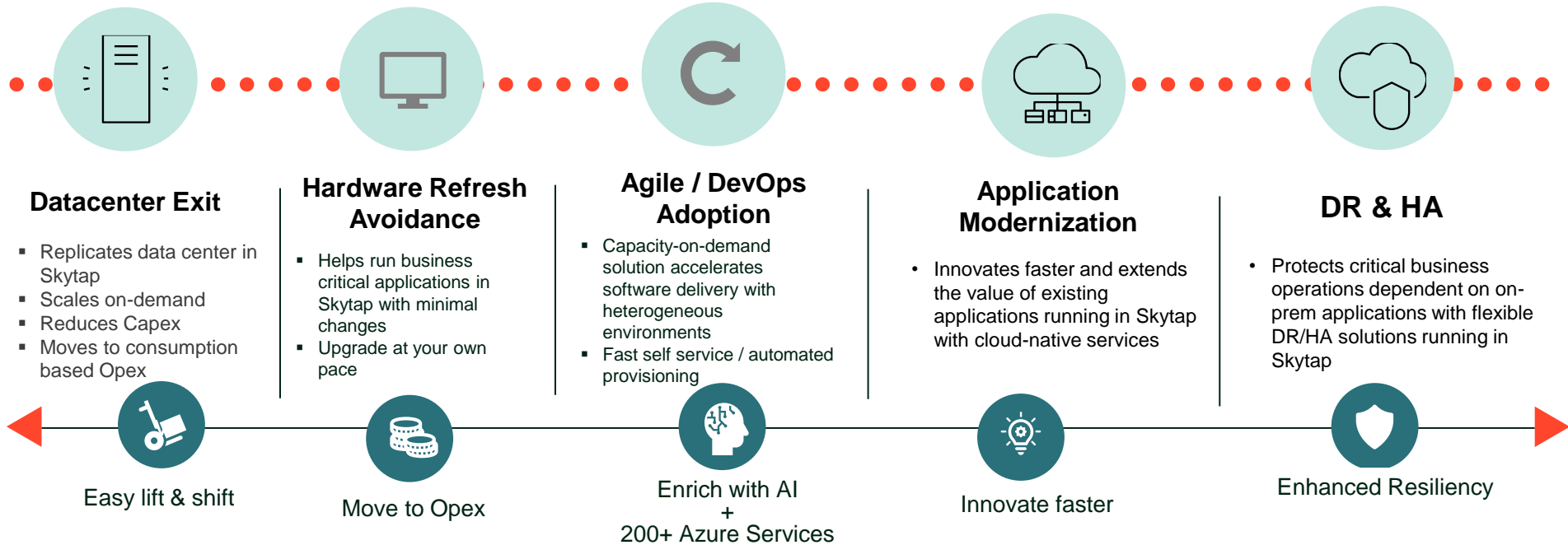
04 Assessment Report

05 2 Week Engagement, can be done with Onshore (preferred) as well as Offshore resources

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* The Skytap Assessment stage assumes that the Customer understand the key benefits of Skytap on Azure; Assessment Pre- requisites are covered as part of Pre-Sales

What are the typical Kyndryl Skytap Assessment triggers?

Datacenter Exit

- Replicates data center in Skytap
- Scales on-demand
- Reduces Capex
- Moves to consumption based Opex

Easy lift & shift

Hardware Refresh Avoidance

- Helps run business critical applications in Skytap with minimal changes
- Upgrade at your own pace

Move to Opex

Agile / DevOps Adoption

- Capacity-on-demand solution accelerates software delivery with heterogeneous environments
- Fast self service / automated provisioning

Enrich with AI
+
200+ Azure Services

Application Modernization

- Innovates faster and extends the value of existing applications running in Skytap with cloud-native services

Innovate faster

DR & HA

- Protects critical business operations dependent on on-prem applications with flexible DR/HA solutions running in Skytap

Enhanced Resiliency

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Kyndryl Skytap Assessment Approach

Data Collection

Cataloging Workloads:

Create a comprehensive inventory of all workloads running on IBM Power, IBM i/AS 400 and x86 Systems, including applications, databases, and associated dependencies.

Assessment:

Evaluate each workload based on factors such as performance requirements, dependency mapping, compliance needs, licensing requirements, HA/DR requirements and cloud compatibility.

Data Analysis

Architecture Compatibility:

Assess the compatibility of the workload's architecture with Skytap's environment, considering factors like operating system versions, middleware, and network configurations

Resource Requirements:

Determine the resource requirements for each workload, including CPU, memory, storage, and I/O, to ensure optimal performance in Skytap.

Assessment Report

Final Report which contains

LPARs/VMs which can be moved to Skytap (Lift and Shift)

LPARs/VMs which can be moved to Skytap post some minor architectural changes

LPARs/VMs which cannot be moved to Skytap

Right Size of the LPARs/VMs that needs to be migrated to Skytap

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Key Data Collections during Assessment

Performance Based*	Data Protection*	HA/DR*	Inventory and dependency mapping*
• Processor/Memory • Storage I/O • Network I/O	• Requirements Discovery • SLAs	• RPO/RTO • Cold vs. warm vs. hot solutions	• Application dependency • IBM/3rd party licensing • Security and Compliance

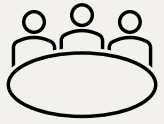| Performance Guidance	Data Protection Guidance	HA/DR Guidance	Inventor & dependency mapping Guidance
• Historical/representative Data Collection • Compute/Storage/Network performance analysis • Performance Navigator Tool – Licensed version	• Third party tooling analysis on performance and data transit	• Business Requirements Discussion • Backup/Restore vs. Replication Solutions • Solution vs. SLA verification	• Update inventory template with dependency mapping • Update Security and Compliance template

*Each of the above Assessment Scenarios need to be Customized based on the Customer Scenario

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How - Typical Kyndryl Skytap Assessment timeline & activities

Kickoff & Understanding
Build understanding of LPARs/VMs to be assessed.
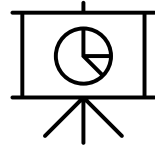
Workshop and Analysis
Begin discovery and workshops and start analysis of key

Workshop and Analysis
Begin discovery and workshops and start analysis of key information

Findings, Recommendations and Report
Build a next step roadmap.

Kickoff & Understanding

1. Identify key points of contact and availability to support objectives.

2. Access to Customer environment and Performance tool

3. Understanding of 10 LPARS/VMs which need to be assessed

Perform workshops/ observations

1. Data gathering

2. LAPRs/VMs/infrastructure logical architectures review

Information Analysis and preliminary Findings documentation

Findings & gaps documentation based on Skytap migration fitment and documents analysis

Final Report

1. Issue final deliverables such as executive summary and final findings

2. Skytap on Azure readiness recommendations

3. Risk and remediation

4. Next steps

Day 1- (8 hours of client contribution)

Day 2 - 7 (8-12 hours of client contribution)

Day 8 -10 (4-6 hours of client contribution)

Mobilize

What & How?

Why?

Client Participants – Executive Sponsor, Application SME and Cloud Operations SME

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Thank You