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Kyndryl Cloud Native Services for Azure

Empowering Continuous Modernization

Top challenges faced by enterprises to accelerate Azure cloud adoption

The root of these issues typically lies in the traditional approach of adopting and governing cloud

"We are unable to rapidly roll out cloud applications beyond the first few applications, the complexity just increases"

Not Scalable enough

"We still take days to week for deploying new cloud services, as a result we are unable to deploy new features rapidly"

Not Fast Enough

"We are unable to modernize our application environments leveraging cloud PaaS services, we still use cloud as a DataCenter"

Not Innovative Enough

"We have little visibility on clouds cost or security posture, leaving us vulnerable to cloud overspends and security breaches"

Not Efficient Enough

Poorly designed cloud environments hamper rapid production deployments and rollouts

Adopting a traditional operations approach adds layers of manual effort, effectively reducing the agility that cloud offers
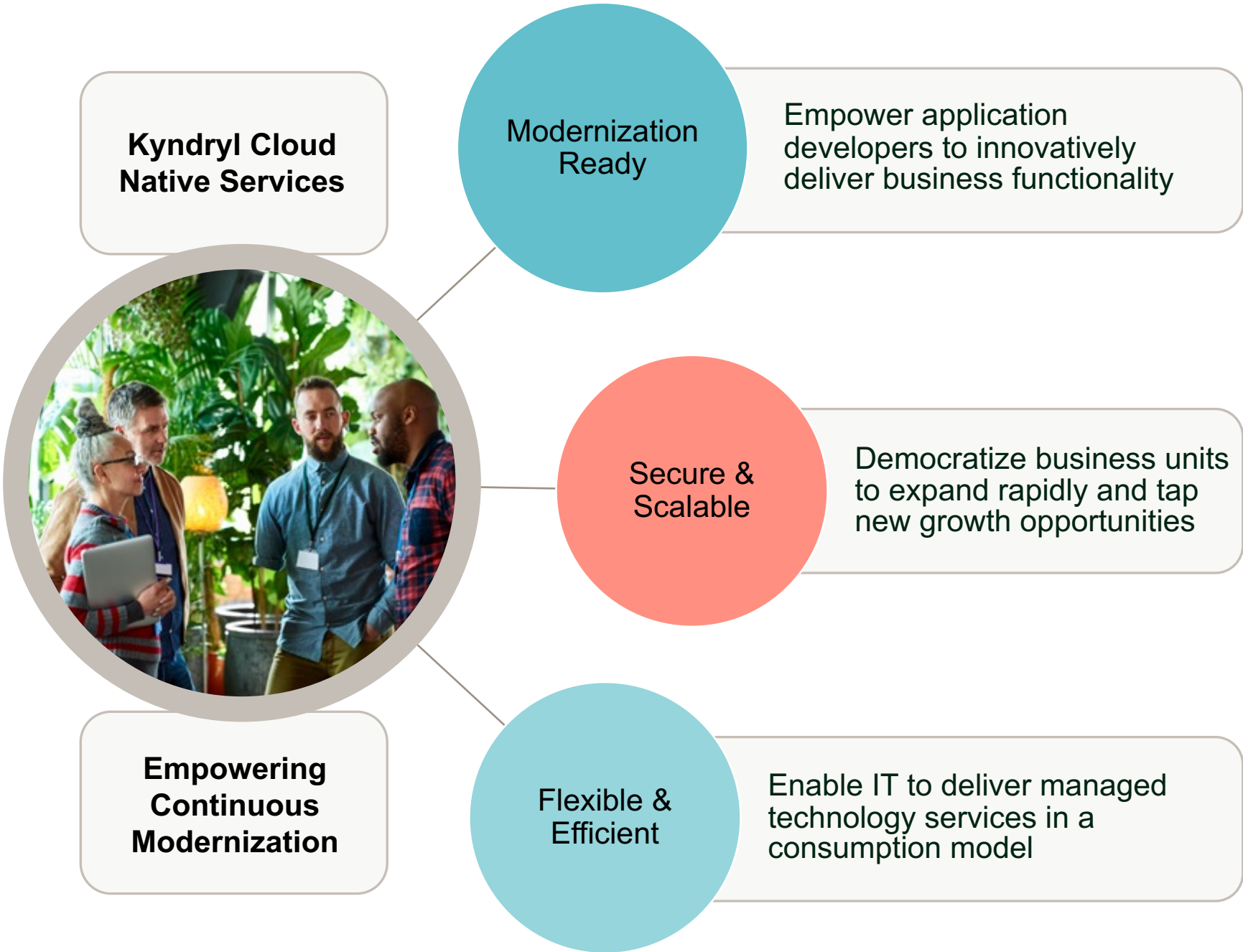
Shortage of right Cloud Skills slows down the much-needed cloud transformation programs

Lack of visibility, control and governance of cloud consumption negates the economic benefit of cloud

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Kyndryl Cloud Native Services:
Empowering Continuous Modernization

Kyndryl Cloud Native Services built on cloud native principles, are delivered as framework and assets that can be integrated in the businesses IT ecosystem, enabling them to continuously modernize and transform their processes and operations, thereby empowering progress and business growth

Kyndryl Cloud Native Services

Empowering Continuous Modernization

Modernization Ready

Empower application developers to innovatively deliver business functionality

Secure & Scalable

Democratize business units to expand rapidly and tap new growth opportunities

Flexible & Efficient

Enable IT to deliver managed technology services in a consumption model

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Kyndryl Cloud Native Services: Design Principles

Capabilities & Outcomes

Design for developer productivity

Automated operations utilizing IaC and code pipelines

Support for IaaS, PaaS, container and applications

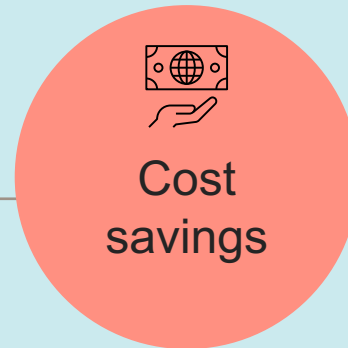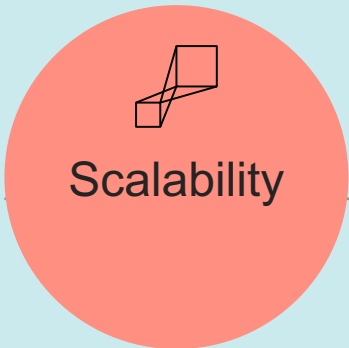Azure native management to drive agility and growth

Flexible tool choice and integration

Improved service composability

Business Outcome:

Scalability

Speed and agility

Innovation

Cost savings

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Kyndryl Cloud Native Services are aligned to Microsoft CAF principles, helping you realize business outcomes faster & in a cost effective manner

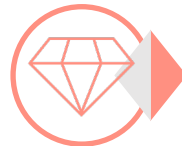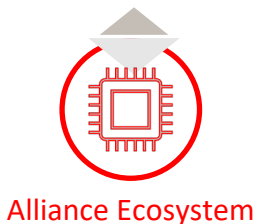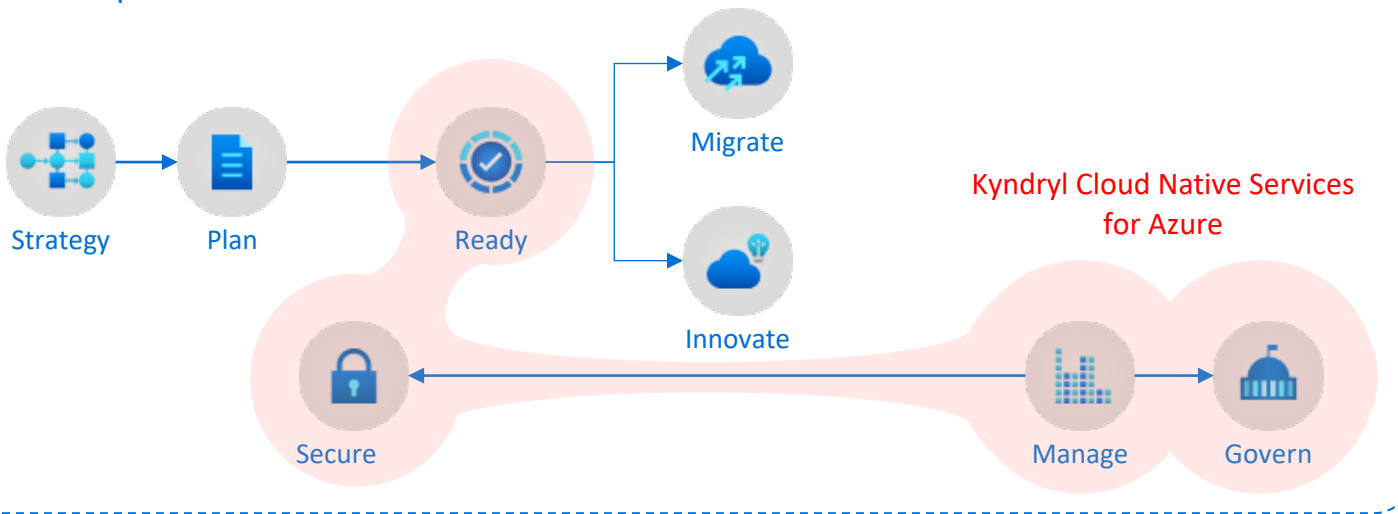Envision

Accelerate

Business outcomes

Azure Cloud Adoption Framework

Strategy

Plan

Ready

Migrate

Innovate

Kyndryl Cloud Native Services for Azure

Secure

Manage

Govern

Alliance Ecosystem

Cloud Ops Delivery Squads

Skilled Teams

Why Cloud Native?

Cloud Landing Zones designed for Enterprise Scale out

Stepping stone to cloud modernization and cloud native app developments

Drive agility & efficiency by using cloud native management services

Avoid expensive tools integrations and 3rd party vendor lock ins

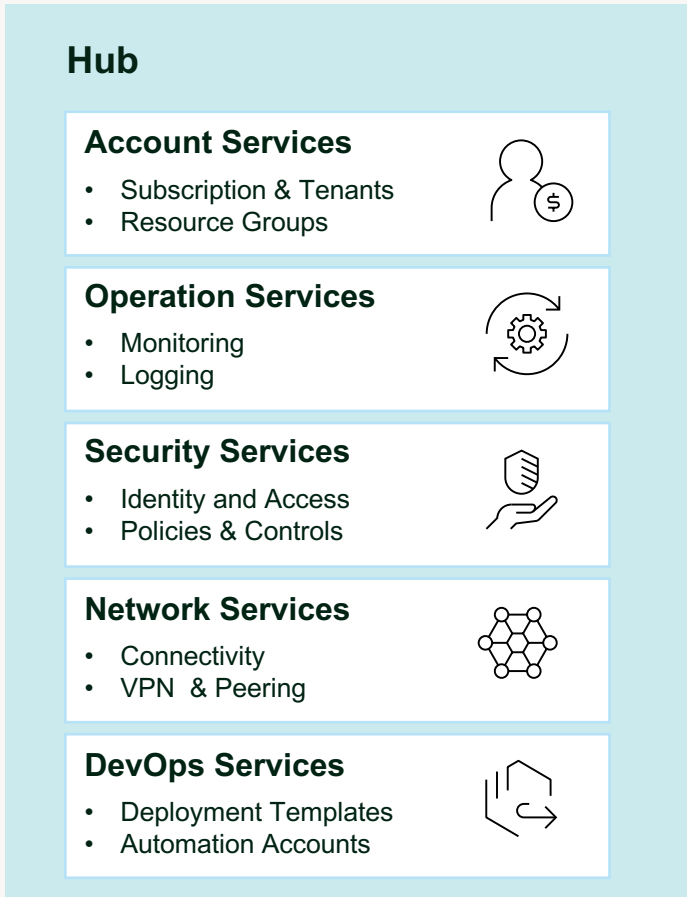Standardized repeatable templates with built in controls
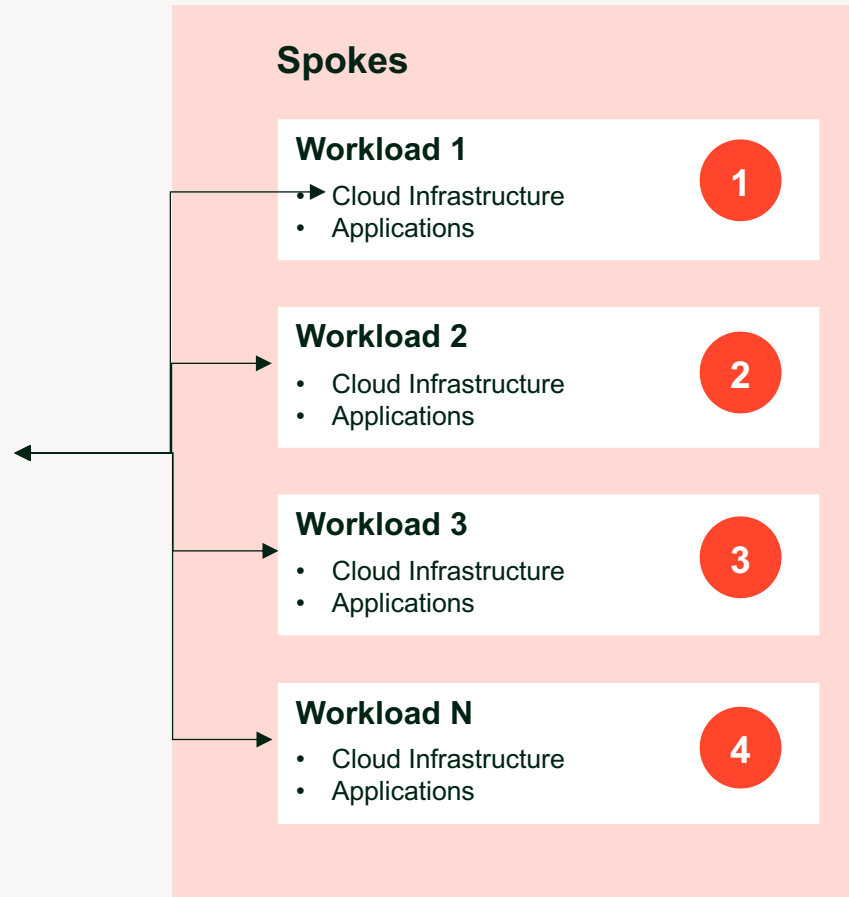
API driven integrations into existing IT ecosystem

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Empower Continuous Modernization with Kyndryl Cloud Native Services

Composable Services that enable transformation to cloud native operating model

Cloud Foundational Services

Hub

Account Services
- Subscription & Tenants
- Resource Groups

Operation Services
- Monitoring
- Logging

Security Services
- Identity and Access
- Policies & Controls

Network Services
- Connectivity
- VPN & Peering

DevOps Services
- Deployment Templates
- Automation Accounts

Cloud Infrastructure Services

Spokes

Workload 1
- Cloud Infrastructure
- Applications

1

Workload 2
- Cloud Infrastructure
- Applications

2

Workload 3
- Cloud Infrastructure
- Applications

3

Workload N
- Cloud Infrastructure
- Applications

4

Kyndryl Cloud Native Services

Design, Implement & manage Enterprise Landing using Azure Cloud Adoption Framework for scale out

Provision the environment using standard IaC templates & pipe lines

Modernize application Infrastructure using components like IaaS, PaaS, container and native services

Simplify the Configuration Management – Monitor the DSC and correct the drift

Flexibility to integrate with the tools of choice over cloud native

Improved visibility and control over cloud costs and performance

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Cloud Foundational Services to design, implement & manage landing zones

Enterprise grade landing zones that secured foundation for rapid deployments of mission critical applications on Azure

Design Services

Design of Azure Landing Zones including Azure account structure, workload deployments, security guardrails and operational requirements

Implementation Services

Deployment of initial landing zones based on the designs covering Azure Account & Subscription structure as well as initial workloads, that support accelerated scale out

On going Management Services

Take over existing landing zones, Manage Technology and compliance drift, enhance and improve landing zones

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Cloud Infrastructure Services for enterprise ready Managed Azure Services

Kyndryl provides infrastructure services to design, implement and manage cloud services running enterprise application workloads

| Automated, standardized and secure deployments | Secured and controlled onboarding | Seamless & fast pluggable operations | Immutable & CIS benchmark compliant |

Leverages Cloud Native Management
Maximize use of Azure native management services like Azure Monitor, Lighthouse, Backup etc., reducing overall tooling and integration costs

Applies Modern Service Management
SRE and Could Ops delivery with "automation first" approach through Infra as Code and "secure by design" delivery principles using Policy as Code

Transforms to Cloud Operating Model
Support cloud hosted through traditional operations and transform to cloud native operations

Supports Diverse Azure Services
Operations for Azure IaaS, PaaS and Container Services running on Azure Cloud
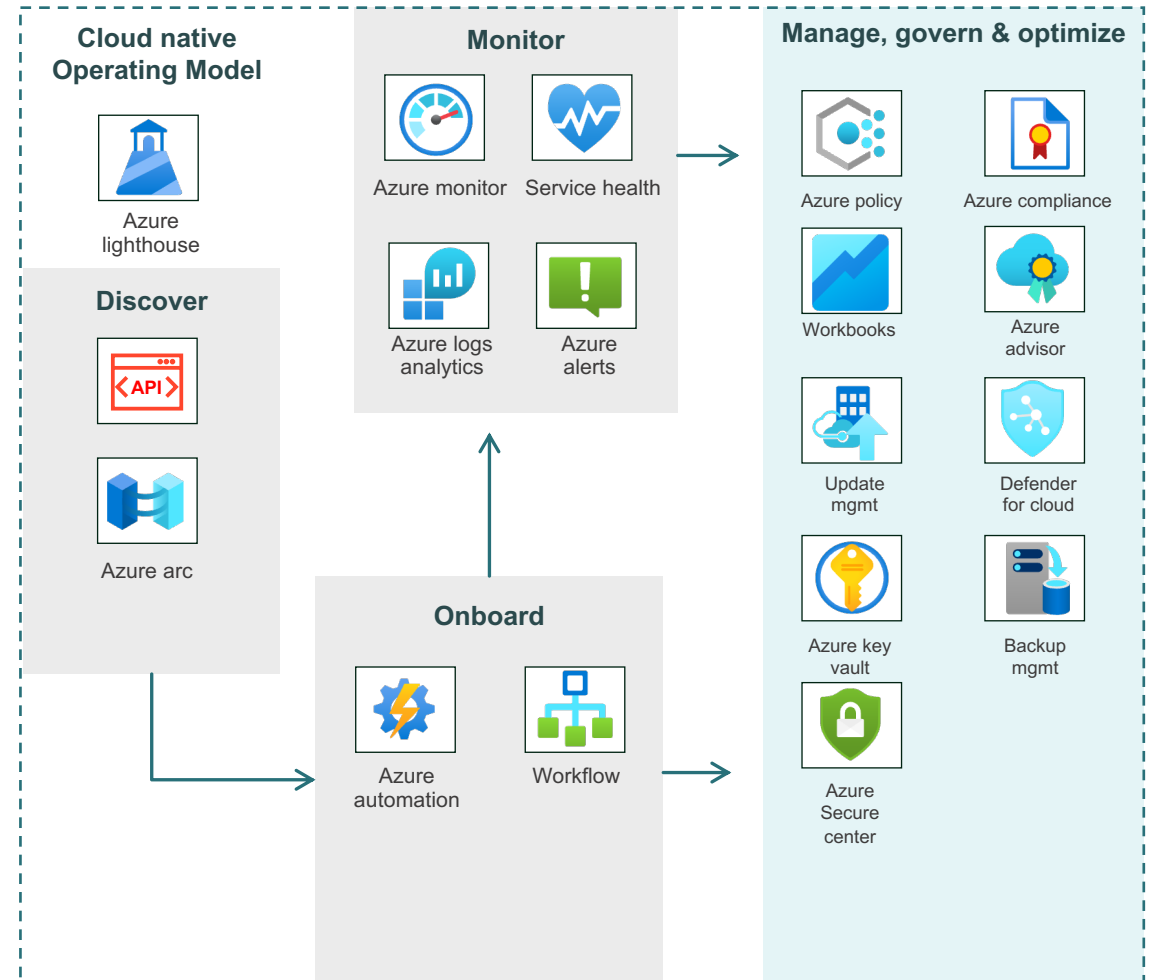
Maintains Compliance Posture
Proactively scan, identify and remediate any deviations at an environment, service or OS level, minimizing the security risk through Desired State Configuration

Continuously Optimize Azure environment
Periodic reviews to identify cost optimization opportunities as well as improve architectural performance of the azure environment

Cloud native Operating Model
Azure lighthouse

Discover
API
Azure arc

Monitor
Azure monitor
Service health
Azure logs analytics
Azure alerts

Onboard
Azure automation
Workflow

Manage, govern & optimize
Azure policy
Azure compliance
Workbooks
Azure advisor
Update mgmt
Defender for cloud
Azure key vault
Backup mgmt
Azure Secure center

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Next Generation Delivery Models to align to client delivery needs
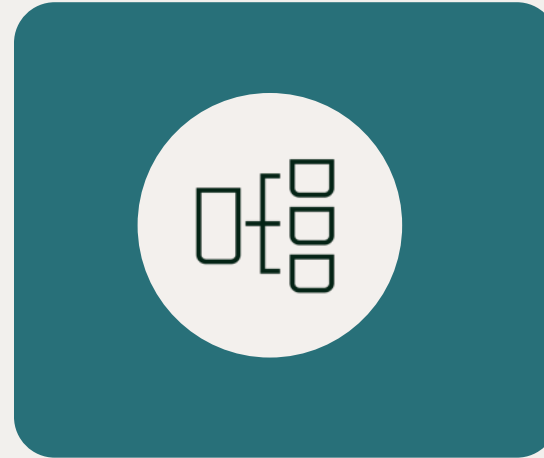
Squad Based approach with a mix of Architect, SREs and Ops engineers to drive operations and continuous optimizations initiatives

01

Dedicated model that integrate with the client engineering and application structures for DevOps for high touch services

02

Hybrid Team model that provides benefits of both high touch and shared delivery teams for specific customization requirements

03

Shared Services Model for outcome based aaS service models through standard framework-based services

Add on Options for design and implementation services to drive continuous modernization initiatives on cloud

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Kyndryl Cloud Native Services – Benefits and Value

On Demand Expertise to fill gaps to accelerate Cloud Adoption strategic and achieve business goals

18 K+ Plus Azure Certification to provide best in class Azure Nativee Services

Re-architect cloud components to optimize & improve the performance of cloud applications.

Gain business agility, resource scalability, deployment flexibility, and simple consumable services

Automated and pipeline to provide the config management.

Security and resiliency by design using Azure well Architected Framework

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What's Next?

Schedule a consultation with our experts

- [Connect](#) with our experts for a consultation

- Visit our [website](#)

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Thank You

December 2022