

# A&IS Strategy & Transformation

## Cloud Consulting: Cloud Strategy and Roadmap

Align your platforms and services to your business strategy with a unifying, hybrid, hyperscaler, or multicloud strategy and roadmap.

kyndryl

### Overview

Support your digital business needs of speed and flexibility while staying within organizational and industry guardrails

Apply our flexible, efficient, and fast approach resulting in:

- Portability across environments
- Future-proofing applications
- Control of vendor lock-in or sprawl
- Improved governance of technology use and workload deployment decisions

### Pain points

- Inability to keep pace with developer expectations or leverage business opportunities from technology
- Constrained by vendor lock-in
- Unable to leverage open source for innovation or cloud platforms for innovation
- No unifying method or consistent use of appropriate cloud adoption frameworks
- Unclear what cloud services to leverage, what workloads can run where, or scope of modernization efforts

### Capabilities

- Validate your cloud adoption approach and articulate a technology strategy aligned to business needs
- Assess or rationalize your existing cloud adoption and use
- Clarify baseline workload requirements, workload placement and modernization options (7R's)
- Determine fit for purpose target platforms to meet your specific business needs
- Define the business case for target cloud platforms according to your values
- Develop and prioritize initiatives to achieve measurable business value

### Value proposition

- Breadth of skills and certifications across VMware, Red Hat, IBM and hyperscaler platforms and technologies
- Well-established reputation for understanding and addressing complex enterprise needs
- Cross cloud neutrality
- Consistent, method-driven approach evolved over years of real-world engagements and feedback

### Your situation

- Are you already using multiple clouds and services but need to optimize use and accelerate adoption with clear guardrails?
- Do you need to understand your cloud workload deployment options and identify target cloud services?
- Do you need to prioritise cloud strategy elements and define their business value?
- Do you already have requirements for hybridity and cloud native development but are uncertain how to proceed?

### Deliverables and outcomes

- Prioritized roadmap backed by business case and requirements for your cloud targets
- Increase innovation and optimization by leveraging new technologies and services
  - Establish selection and use policies for your selected hybrid and hyperscaler cloud platforms
  - Define cloud value in your terms aligned to your business and digital transformation goals

# A&IS Strategy & Transformation

## Cloud Consulting: Cloud and Landing Zone Design

Design a unifying cloud solution architecture that meets your requirements for your target hybrid, cloud or multicloud estate.



### Overview

Support digital business needs of speed and flexibility while staying within organizational and industry guardrails

Provide clear guidance to build and manage your target hybrid, hyperscaler or multicloud solution

Apply our flexible, efficient, and fast approach resulting in:

- Portability across environments
- Future-proofing applications
- Control of vendor lock-in or sprawl
- Unified management operations view
- Improved governance of technology use and deployment decisions

### Pain points

- Inability to keep pace with developer expectations or leverage business opportunities from technology
- Constrained by vendor lock-in
- Unable to leverage open source for innovation or cloud platforms for innovation
- No unifying method or consistent use of appropriate cloud adoption frameworks or well-architected frameworks
- Lack of automation and software defined environments
- Challenged to deliver infrastructure as code

### Capabilities

- Identify gaps between “as is” and “to be”
- Address automation and software defined environment gaps and opportunities
- Establish the architectural vision for your cloud model
- Design fit-for-purpose infrastructure for enterprise workloads
- Integrate operational excellence and reliability models
- Deliver implementable designs – enable infrastructure as code
- Requirements – assessment – design – collaboration

### Value proposition

- Breadth of skills and certifications across VMware, Red Hat, IBM and hyperscaler platforms and technologies
- Well-established reputation for understanding and addressing complex enterprise needs
- Cross cloud neutrality
- Consistent, method-driven approach evolved over years of real-world engagements and feedback

### Your situation

- Do you need help to create an architecture blueprint for cloud platform and service selection, usage and management across environments?
- Do you need to improve the governance of technology and workload deployment decisions across the business units?
- Have you already selected your target cloud platform(s) but need to design your landing zone(s) and establish guardrails?
- Do you already have requirements for hybridity and cloud native development but are uncertain how to proceed?
- Do your current automation, provisioning and orchestration tools meet the needs of your developers, CI/CD pipelines, DevSecOps, and compliance policies?

### Deliverables and outcomes

Landing zone(s) design and guardrails for your selected hybrid and hyperscaler cloud platforms

Automation and software defined environments gaps and opportunities addressed and delivered via infrastructure as code

- Increase innovation and optimization leveraging new technologies and services
- Address skill gaps and time challenges
- Faster deployments, reduced time to value
- Standardization - reduced complexity across environments

# A&IS Strategy & Transformation

## Cloud Consulting: Platform and Infrastructure Modernization

Create the blueprint for your platform and infrastructure modernization -- aligned to your value chains and digital transformation goals.



kyndryl

### Overview

Support digital business needs of speed and flexibility with targeted platform modernization

Promote closer collaboration between developers and IT operations through common platforms

Apply our flexible, efficient, and fast approach resulting in:

- Portability across environments
- Future-proofing applications
- Automated provisioning and operations

### Pain points

- Inability to keep pace with developer expectations or leverage business opportunities from technology
- Constrained by vendor lock-in
- Lack of automation and software defined environments
- Challenged to deliver infrastructure as code
- Unable to address modern architecture and operations needs with aging technologies

### Capabilities

- Rationalize, modernize, and unify your technologies to meet business goals and expectations
- Support engineering teams' investment in DevSecOps approaches and modern architectures
- Review your product or service value chain to identify gaps and opportunities
- Integrate automation and tooling for CI/CD, DevSecOps, and compliance policies
- Define common target platform and tools to bring closer collaboration between developers and IT operations
- Deliver infrastructure as code (IaC)

### Value proposition

- Breadth of skills and certifications across VMware, Red Hat, IBM and hyperscaler platforms and technologies
- Well-established reputation for understanding and addressing complex enterprise needs
- Cross cloud neutrality
- Consistent, method-driven approach evolved over years of real-world engagements and feedback

### Your situation

- Are your current technologies able to keep pace with change and deliver at the speed required for digital business?
- Do you need help to rationalize, modernize and unify technologies to consistently meet business goals?
- Do you need to support modern cloud architectures and cloud native services through platform modernization but lack time or skills?
- Do you need help establishing your target state Kubernetes and container platform, integrating tooling, and delivering IaC?
- Do your current automation, provisioning and orchestration tools meet the needs of developers, CI/CD pipelines, DevSecOps, and compliance policies?

### Deliverables and outcomes

- Target state requirements, architecture and implementable design for leading platforms such as OpenShift and VMware Tanzu
- Increased innovation and optimization
  - Address skill gaps and time challenges
  - Agility to leverage new technologies and services
  - Extend the value of existing virtualization or open-source investments
  - Faster deployments, reduced time to value
  - Standardization - reduced complexity across environments



# A&IS Strategy & Transformation

## Cloud Consulting: Modern Operations and Management

Establish a solid foundation for management of cloud platforms and services via DevSecOps, automation, and AIOps initiatives.

The Kyndryl logo is positioned in the bottom left corner of the slide. It features the word "kyndryl" in a white, lowercase, sans-serif font. The logo is set against a background of vibrant green leaves that are slightly out of focus, creating a sense of depth and natural growth.

### Overview

Accelerate development velocity of your products and services with confidence.

Improve operations performance via integrated software development and release automation with software defined operations and infrastructure.

Apply AIOps to integrate your data ecosystem and support multiple analytics use cases.

### Pain points

- Lack formal strategy to address complexities of managing hybrid cloud environments and aligning with DevSecOps practices
- Struggling to fit SRE practices into your architecture and process
- Challenged with adapting I&O teams to modern cloud operations practices and tools
- Minimal or no enterprise-wide automation and AIOps platforms; multiple tools, 'snowflakes', loose integration, functionality overlaps
- Significant staff effort to put out fires; reactive, manual day-to-day toil

### Capabilities

- Enhance the way you operate while introducing modern technologies as strategic assets
- Leverage data-driven decision-making, reducing errors and risk
- Embrace new techniques including automation, AIOps, DevSecOps, and SRE to improve operations performance
- Integrate your data ecosystem (including monitoring, logs, alerts, ticket records, etc.)
- Define minimum viable product (MVP) use case and automate to establish proof of value

### Value proposition

- Breadth of skills and certifications across VMware, Red Hat, IBM and hyperscaler platforms and technologies
- Deep expertise across DevSecOps practices and technology domains; top-class skills in cloud, data, AI, and management services
- Established methodology, best practices and engagement assets covering all dimensions of DevSecOps (culture, practice, process, security, and tool chain)
- Continual harvesting of practices, processes and capabilities in DevSecOps domains from our management services

### Your situation

- You're already using multiple automation tools; do you need help working out what to automate next?
- Do your DevSecOps engineers need help to follow a consistent approach and common tooling for automation development?
- Does your I&O staff need help adapting to DevSecOps and addressing I&O needs on an equal footing with your developers?
- Do you need help to correlate, analyze and visualize the data you're collecting into reports, dashboards, and insights?
- Does your tooling ecosystem provide early warning of an impending fault before it strikes?

### Deliverables and outcomes

- Automation blueprint, design patterns, and proof of value (PoV) implementation
- Blueprint (current state assessment, strategy, and transformation roadmap)
  - Ansible, Terraform and hyperscaler design patterns
  - Ansible or AWS automation PoV
- AIOps blueprint, design pattern, and PoV implementation
- Blueprint (current state assessment, strategy, and transformation roadmap)
  - Elastic stack-based design pattern
  - Elastic stack-based PoV