NTT DATA Services

Build Cloud Foundations for Azure
Accelerate Time to Value For Cloud Initiatives

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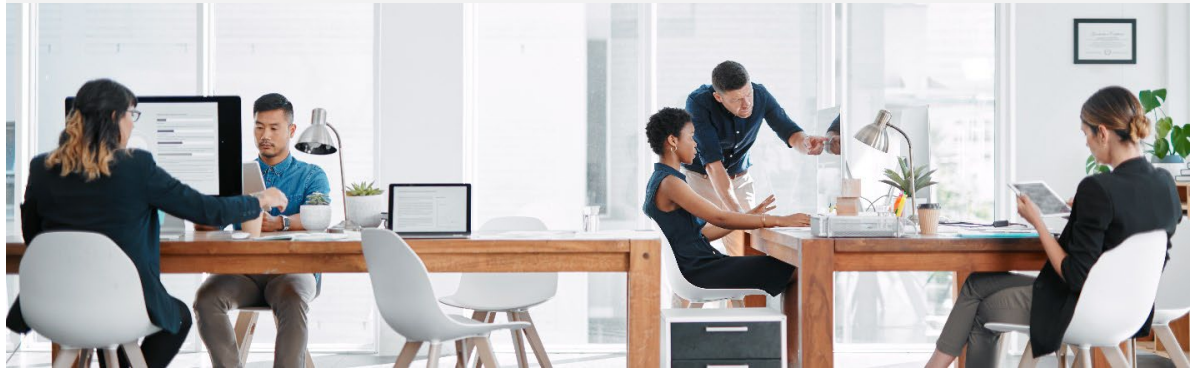
Complexity, New Tech & Model Stall Progress

Public Cloud IaaS is Complex

- ~100 decisions need to be made to create a unified, secure, scalable and extendable cloud foundation
- Missteps in set up can lead to serious security risks, unscalable systems, and inefficiencies that slow processes and progress
- Each organization has unique needs: there is no standard framework



"By 2025, more than 90% of enterprise cloud infrastructure and platform environments will be based on a CIPS offering from one of the top four public cloud hyperscale providers.[1]"

"By 2026, 61% to 62% of organizations will use external service providers to establish a net new cloud environment.[2]"

Gartner

1. Market Opportunity Map: Cloud Infrastructure and Platform Services, Worldwide, Published 14 April 2021, ID G00739956, By Analysts Ed Anderson, Mike Dorosh, Sid Nag, Colleen Graham
2. Forecast Analysis: Cloud Consulting and Implementation Services, Worldwide, Published 23 July 2021 - ID G00749277, By Analyst(s): Colleen Graham, Brandon Medfor

Reduce Risk and Time to Value For Cloud Initiatives

Increased Speed and Security

- **Five-day engagement-** Accelerate deployment of high-value applications with a ready-to-use landing zone
- **Automate self-service** - Reduce risk and time to create compliant new subscriptions with governed automation
- **Establish best security practices**- Create a defensible security posture and reduce the risk of security breaches and vulnerabilities

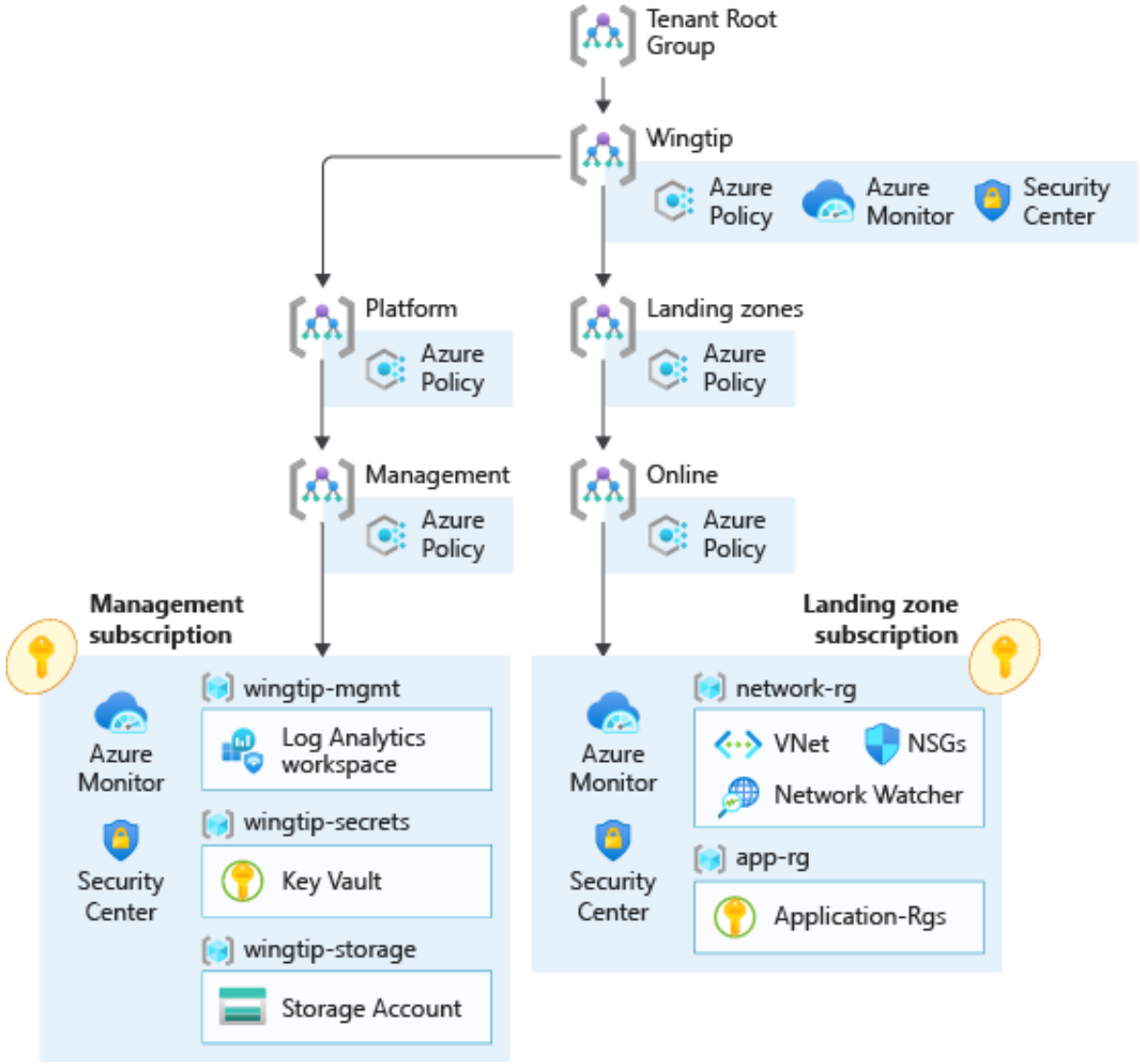
Reduced Maintenance, Long-Term Agility

- **Azure managed & Landing Zone factory** – Lower management burden to enable more focus on strategic goals and reduced technical debt
- **Knowledge transfer** – Save time with ready to use documentation. Gain long-term team agility with training
- **Automate Deployment of Azure Security Center and Log Analytics -** Reduce human errors and ensure consistent and secure account creation and operation

Build Cloud Foundations Architecture - Azure

Azure Native Services + Proven Best Practices

- Designed for companies who want a new Azure landing zone, built using best practices
- Uses Landing Zone Configuration for subscription creation
- Azure Security Center deployed
- Automated deployment of CIS hardening
- Centralized logs
- Able to be customized & expanded



Build Cloud Foundations Nex-Gen Monitoring

Build Cloud Foundations Integration with Nex-Gen Dashboards

- Monitoring dashboard to consolidate alerts from multiple accounts
- Push notifications sent to customer via read only dashboard
  - Proactive CIS compliance report
  - Microsoft Azure Security Center push notifications, alerts & violations
- Customer has ability to add Azure Virtual Machine agents for additional monitoring visibility and cost
- Customer benefits by better management visibility
- Easily managed by NTT DATA Cloud Operations team

Extending Deploy Enterprise-Scale foundation Functionality

Expand built-in cloud security posture management tools for enterprise-grade strategies

Security-Hardened

- Deploy new hardened Azure Subscriptions
- Deploy Azure Security Center. Enable consistent and secure provisioning so that customer teams deploy production ready landing zones.

Automated, Repeatable

- Implement Infrastructure as Code for consistency, repeatability
- Deployment is done using Infrastructure as Code to speed time to integrate.

Enhanced Auditability, Visibility

- Reroute security logs to Log Analytics, implement least privilege access
- Azure Policies that will enable autonomy for the platform and the landing zones.
- Cost Monitoring and Management with Cloud Custodian

Samples of Optional Work to Enhance Build Cloud Foundations

Set up Azure DevOps as the code repository

Configure Azure DevOps pipeline to gain a platform for improved business agility, reduced maintenance, and less risk

Deploy hub virtual network for VNet to VNet communication and hybrid connectivity to customer networks: Supports a hybrid cloud model designed and implemented to meet requirements

Deploy infrastructure for new application (Serverless, AKS) to ease the process of creating immutable infrastructure automation, accelerating new application development

Deploy Azure resources to support in-scope applications such as IaaS, PaaS and serverless functions, enabling new technologies to create competitive differentiation

Migrate existing applications, and use Azure managed services where it makes sense Systems of innovation & differentiation are more nimble to the business, while decreasing risk

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