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

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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”

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

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<thead>
<tr>
<th>Security-Hardened</th>
<th>Automated, Repeatable</th>
<th>Enhanced Auditability, Visibility</th>
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<tbody>
<tr>
<td>• Deploy new hardened Azure Subscriptions</td>
<td>• Implement Infrastructure as Code for consistency, repeatability</td>
<td>• Reroute security logs to Log Analytics, implement least privilege access</td>
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<tr>
<td>• Deploy Azure Security Center. Enable consistent and secure provisioning so that customer teams deploy production ready landing zones.</td>
<td>• Deployment is done using Infrastructure as Code to speed time to integrate.</td>
<td>• Azure Policies that will enable autonomy for the platform and the landing zones.</td>
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<td>• Cost Monitoring and Management with Cloud Custodian</td>
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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