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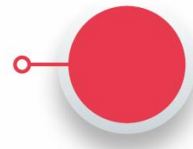
AZURE INFRASTRUCTURE OPTIMIZATION SERVICE

Azure Done Right

Azure infrastructure optimization

Description

1. The running Azure environment will be constantly reviewed to identify opportunities to improve in parameters such as reliability, security, availability, manageability, cost-effectiveness, performance, etc.

2. The basis of this process will be proactive monitoring, assessment and risk identification.

3. Additional services may be designed and implemented, or configurations changes applied.

4. Where possible, tasks will be automated.

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Azure infrastructure optimization

Activities in scope

1. Maintain standards and processes

   - implementation of quality management, maintenance of all certified and qualified processes, process change control, reliability data analysis, failure analysis and qualification status of technologies

2. Azure service enhancement.

   - Proactively monitor and evaluate the Azure services

   - Participate in developing service enhancement plans

   - Recommend Azure service enhancements

3. Assess the current Thungela Resources Azure infrastructure to identify the following:

   - Suitability of the infrastructure meeting current and future business requirements.

   - Configurations that may lead to operational inefficiency, excessive costs inadequate performance or security risks.

   - Operational processes that are not adequate for current or future requirements.

   - Alignment to the Azure CAF and WAF

4. Once a quarter, perform a Well Architected Review

5. Implement custom reports, dashboards and workbooks

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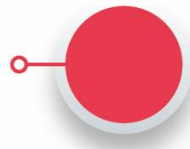
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Ongoing Azure infrastructure optimization

Activities in scope (continued)

6. Implement enhancements to management and governance including the following:

    - Enhanced Role Based Access Control (RBAC).

    - Intensive use of Azure policies for enforcing compliance.

    - Azure Blueprints for automation and compliant deployment.

    - Template based (ARM, Bicep, etc.) deployment of Azure resources utilising Azure DevOps or other Infrastructure-as-Code technologies.

    - Optimized network configuration to improve performance, availability, reliability and security.

    - Enhanced monitoring based on Azure Monitor and other technologies.

    - Extending Azure management tools to the on-premises using Azure Arc.

    - Enhanced security monitoring and management.

    - Proactive cost management.

    - Enforced tagging to facilitate improved reporting.
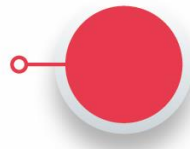
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Activities in scope (continued)

7. Automation

8. Integration with IT Service Management (ITSM) systems

9. Review and enhance security of the Azure environment.

10. Maintain an operations guide describing the following:

11. Update the design and operations documents

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Azure Done Right

Deliverable

Azure Optimization Plan
Update (Monthly)

Monthly Report

Provide a monthly report summarising the activities and recommendations of the Azure Optimization plan.
The following topics will be included:

- Updates to designs and other documents.
- Issues and risks identified in the Azure environment.
- Recommendations for changes.
- Summary of changes made in the proceeding period.

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THANK YOU

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