



Service Definition Document: Infrastructure Consolidation

Service Overview

The Cloud Migration Planning Service is designed to guide enterprises through the transition from fragmented, on-premises infrastructures to consolidated cloud-based systems. By leveraging cloud technologies, this service aims to minimize hardware sprawl, lower maintenance costs, and improve scalability. It supports various cloud models (public, private, hybrid) and focuses on seamless integration with existing enterprise architectures.

Key objectives include:

- Identifying opportunities for consolidation of servers, storage, and networks.
- Ensuring minimal disruption during migration.
- Aligning migration strategies with business continuity and compliance requirements.
- Providing a roadmap for long-term infrastructure optimization.

Service Features

The service includes the following core features, each tailored to support infrastructure consolidation:

1. **Capability Analysis:** Evaluate current IT capabilities for cloud readiness (e.g., assessing hardware, software, and processes to identify consolidation candidates).
2. **Enterprise Architecture:** Design scalable architecture aligning with business goals (e.g., creating blueprints for unified cloud infrastructures that eliminate silos).
3. **Cloud Gap Assessment:** Identify discrepancies between on-premise and cloud environments (e.g., pinpointing gaps in performance, security, or compatibility for targeted consolidation).
4. **Architecture Options Analysis:** Compare hybrid, multi-cloud, and native options (e.g., evaluating architectures to select the most efficient for resource consolidation).
5. **Delivery Road-Mapping:** Create phased migration plan with timelines (e.g., outlining steps to consolidate infrastructure in stages, ensuring controlled rollout).
6. **Risk Assessment:** Analyze potential risks and mitigation strategies (e.g., identifying consolidation-related risks like data loss and developing safeguards).
7. **Cost Analysis:** Estimate migration costs and ROI projections (e.g., calculating savings from consolidating redundant systems into cloud resources).
8. **Security Planning:** Develop cloud security frameworks and compliance (e.g., establishing consolidated security policies for unified threat management).
9. **Data Migration Strategy:** Plan secure data transfer and integrity (e.g., strategies for consolidating data silos into cloud storage with minimal downtime).
10. **Application Assessment:** Review apps for refactoring or rehosting needs (e.g., assessing applications to consolidate them onto fewer cloud instances).

Service Benefits

Each feature delivers specific benefits, contributing to overall infrastructure consolidation:

1. **Capability Analysis:** Identifies IT strengths for efficient cloud transition.

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2. **Enterprise Architecture:** Ensures scalable systems supporting business growth.
3. **Cloud Gap Assessment:** Highlights deficiencies to prioritize improvements.
4. **Architecture Options Analysis:** Evaluates choices for optimal cloud fit.
5. **Delivery Road-Mapping:** Provides clear timelines reducing migration risks.
6. **Risk Assessment:** Mitigates potential issues ensuring smooth migration.
7. **Cost Analysis:** Forecasts expenses for better budget control.
8. **Security Planning:** Enhances protection against cloud threats.
9. **Data Migration Strategy:** Ensures data integrity during transfer.
10. **Application Assessment:** Optimizes apps for cloud performance gains.

Implementation Approach

- **Phased Delivery:** The service is delivered in phases: Discovery (assessments), Design (analysis and planning), and Roadmap (finalization).
- **Tools and Methodologies:** Utilizes industry-standard frameworks like TOGAF for architecture and AWS Well-Architected Framework for cloud-specific guidance.
- **Stakeholder Engagement:** Involves IT teams, business units, and executives to ensure alignment with consolidation goals.
- **Metrics for Success:** Measured by reduced infrastructure footprint (e.g., 30-50% server reduction), cost savings, and improved agility.

Assumptions and Dependencies

- Access to current infrastructure documentation and inventories.
- Client provision of key personnel for workshops and reviews.
- Compliance with relevant data privacy regulations (e.g., GDPR, HIPAA).

Risks and Mitigations

- **Risk:** Data migration failures leading to downtime. **Mitigation:** Use incremental migration and backups.
- **Risk:** Cost overruns. **Mitigation:** Detailed upfront analysis.
- **Risk:** Resistance to change. **Mitigation:** Change management training.

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