Cloud Readiness Assessment and Migration Plan

SYNECTIKS

Cloud Readiness Assessment and Migration Plan

Moving to the cloud has proved to be more of a challenging for most businesses. With several different service and delivery models, decisions such as to what tool to use and how to migrate your systems to the cloud can prove to be difficult. To help organizations navigate through the cloud, Synectiks has designed a custom cloud migration assessment to help get you started with confidence.

Our Approach

We specialize in building microservices in cloud in complete software defined way. We build secure, flexible, and scalable cloud based solutions that reduce costs and significantly improves business productivity for our clients.

Cloud Migration Assessment

We will conduct a 360-degree assessment of the current product, processes, within the company. This assessment will include a detailed audit of scalability, HA, management, security, performance, data protection aspects of the product. In addition, we will develop a cloud migration roadmap that can be used for advancement of cloud adoption and the benefits that may be achieved. We will conduct POC's to validate the proposed cloud migration roadmap.

The cloud readiness assessment will include a detailed review and plan for an organization:

1. Business Readiness
2. Existing Infrastructure and Applications Review
3. Migration PathBusiness Readiness

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Business Readiness

Our team will host interactive consultations with key stakeholders to determine business processes, goals, opportunities and cultural readiness of the organization. Any change management or training considerations will also be identified as well as a cost-benefit analysis. Components to be reviewed includes:

Business Environment

- Business Transformation Challenges
- Pain points
- Risk Tolerance
- Resistance to change

Business Impact

- Customer Experience
- Revenue
- Cost
- Time to Market

Business Processes

- Procurement
- IT process

Existing Infrastructure and Applications Review

We will conduct a 360 degree review your existing infrastructure and applications and audit them with defined checklists. Applications will be reviewed against the following points:

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Scalability	High Availability	Management	Security	Performance	Data Protection
• Application	• Application	• Release /	• Application	• Application	• Tooling
• Network	• Network	• Deployment	• Network	• Network	• Process
• Storage	• Storage	• ALM	• Storage	• Storage	• Compliance
• Database	• Database	• OSS	• Database	• Database	

OSS= Operation support system, ALM =Application lifecycle Management

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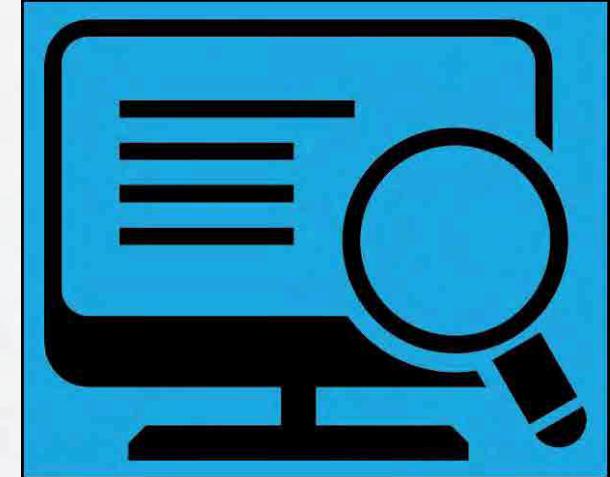
Audit Mechanism

We will use tools to discover, benchmark, Audit your existing application and infrastructure. We will also share ideal case studies and POC's supporting those case studies. We will use following tools for existing state analysis:

- Discovery tools
- Audit tools for security audit & network audit
- Benchmarking tools for application and infrastructure performance benchmarking
- Application profiling tools

We will conduct POC's mainly focused on

- Infrastructure as Code
- Monolith to Microservice Transformation
- Operation Support System towards Auto Pilot Mode
- Effective Application Lifecycle Management

Migration Path

Based on the Assessment Report, there may be a need to restructure internal workloads to make them ready for cloud migration. We will recommend a best practice approach for the restructuring of workloads based on POC results and best practices guidelines.
We will work with your team to determine migration schedules and project milestones to ensure alignment with your business needs.
We will also propose risk mitigation and contingency plan.
The migration plan will focus on certain key objectives as follows:

- Virtual to Cloud (V2C)
- As Is Migration
- Workload Balance & Integration
- Security
- Operation Support System
- Application lifecycle Management
- Microservices transformation

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The following migrations options to be considered include:

1. Supplement existing application
2. Integrate cloud workloads with on-premises systems
3. Migrate existing applications
4. Migrate with full microservices transformation

We will spend time diligently reviewing all deployments and building guides with all stakeholders.At every step we will also conduct a thorough POC and configuration to ensure a smooth transition and to foster successful change management with system administrators.

Deliverables

You will be provided with a complete Cloud Migration Plan which will include:

- A clear strategic IT roadmap providing a defined set of activities needed for cloud readiness
- A detailed 360-degree Audit report of existing application
- Solution architecture of which workload and applications should be migrated to the cloud
- Detailed proof of concept and user experience
- A complete SOA architecture depicting monolith to microservices transformation
- A security and compliance reports of risks to your organization
- Project plan & statement of work for immediate next phase

Upon completion of a successful delivery of a Cloud Migration Plan, you will have the framework and plan required to migrate your solutions to the cloud either with Synectiks, inhouse, or any other vendor you choose. Synectiks has a skilled pool of resources having adequate real-time project execution experience of cloud migration and monolith to microservices transformation. Also with Synectiks you will have the advantage of using large amount of automation codebase so that you get upfront return on your investment. Our code centric approach and availability of special skillsets (smart coder with infrastructure background) helps our customers to reduce the time and cost and achieve reliability.