

PROJECT MANAGEMENT FOR CLOUD MIGRATION

Know about Stages, Hierarchy and Checklist

Program Management for Cloud Migration

Cloud Migration involves moving applications, workloads, data and IT resources to cloud. The process is extensive and involves formation of teams and multi-stage planning and implementation. In the below handout, we have provided an overview of how iSmile Technologies undertakes cloud migration project and the different activities involved.

Program Management

We undertake complete program management for migration to cloud accessing your infrastructure, planning for new infrastructure, choosing the cloud provider, defining the SLA terms and contracts, modulating storage and server performance, deciding the timelines for various phases of cloud migration and others.

Architecture Teams

We have architecture teams for designing and managing the cloud architecture for your organization. These teams manage the entire front-end platforms, decide the storage architecture, manage servers and networks

Project Management

We undertake complete cloud project management and decide the tools for migration, planning and collaborating through the entire phases of cloud migration

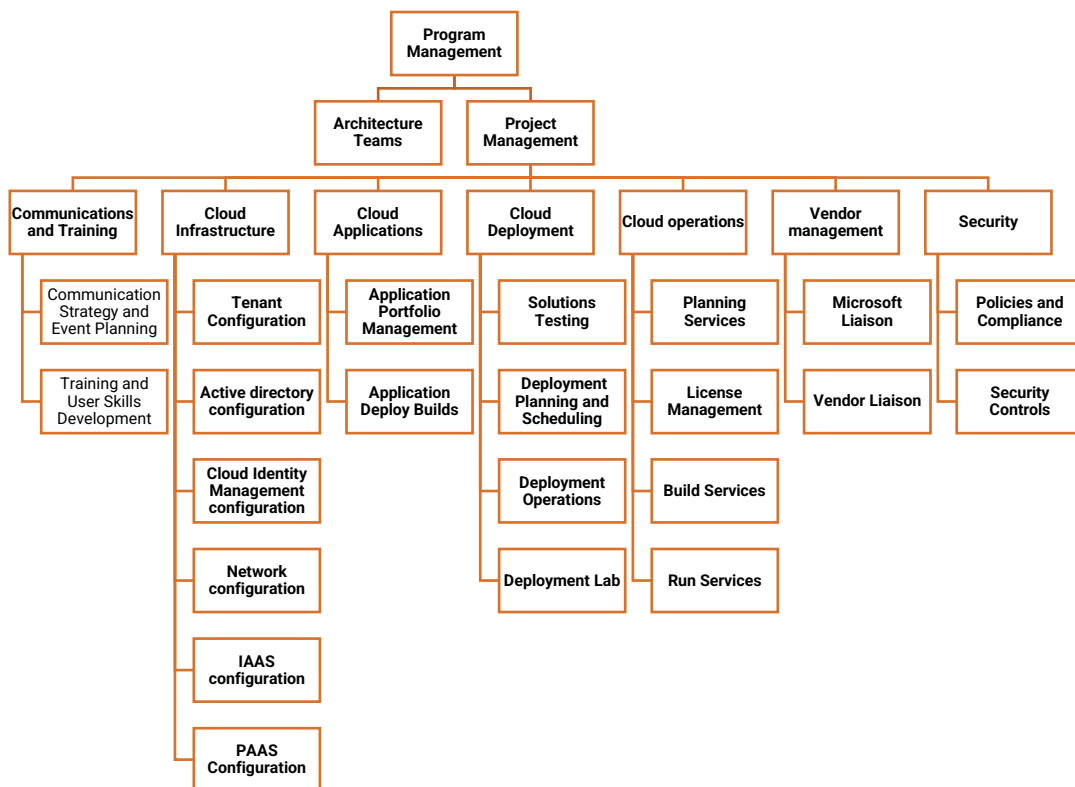


Image 1: Project Management Stages and Hierarchy for Cloud Migration

Project Management for Cloud Migration

Stages and Hierarchy

We undertake complete cloud project management and decide the tools for migration, planning and collaborating through the entire phases of cloud migration.

1. Communications and Training

We undertake trainings to induce cloud centric skills in your employees. Proper communication strategies are put in place to let the users and the stakeholders know about the timeline of migration, downtime to be expected, accessibility of data and systems during migration, sign in options and many more for seamless functioning and peak performance even during migration

- a) Communication Strategy and Event Planning
- a) Training and User Skills Development

2. Cloud Infrastructure

We define and frame the cloud infrastructure including tenant configuration, Active Directory configuration, cloud identity management configuration, device access, network configuration, IAAS and PAAS configuration and more.

a) Tenant Configuration

We undertake tenant configuration along with framing the single tenant or multi-tenant architecture. We set the time zone, language, workspaces, configure the libraries and others

b) Active directory configuration

We install and configure the DNS for your AD, install and configure the AD domain controller, install the windows support tools, add groups and users to AD DS and so on.

c) Cloud Identity Management configuration

We configure the cloud security authentication set-up, handle access management requests and so on.

d) Network configuration

We configure your cloud network and manage subnets, routers, DNS, traffic filters, ports, adapters, bridges and so on....

e) IAAS configuration

We undertake IAAS configuration for quick provisioning of new VMs and reduce the overhead cost of managing many servers.

f) PAAS Configuration

We undertake set up of your PAAS and configuration

3. Cloud Applications

Complete management of cloud applications are undertaken including application portfolio management, application builds and business case development

a) Application Portfolio Management

We undertake application portfolio management to reduce redundancies, decrease costs and identify options for upgrading them and maximize performance.

b) Application Deploy Builds

We build your application, pull container images, validate configurations, install dependencies, run build flavor commands, run build hook and then deploy them and serve requests through your deployed application.

c) Business Case development

Business case development is done by our team to justify migration project selection. It involves identifying the specific cases in the organizations for which migration is important.

4. Cloud Deployment

iSmile Technologies has specific expertise with the following cloud deployment services that help you achieve the benefits of cloud, including scalability, high availability, and automation.

a) Solutions Testing

Multiple types of cloud solutions testing is done including System Testing, Interoperability Testing, Performance Testing, Availability Testing, Multi-Tenancy Testing, Security Testing, Disaster Recovery Testing, Browser Performance Testing.

b) Deployment Planning and Scheduling

Here it is assessed whether the applications, systems, workloads are apt candidate for migration, how the security features would roll out, prioritize the workloads and systems for migration to ensure minimum downtime and disruption along with scheduling the entire process

c) Application Compatibility Testing

Here, the applications are tested for compatibility with the cloud and if necessary, refactoring is done

e) Deployment Operations

Here the VMs, containers, and other components are migrated to the cloud. The workloads and service requirements are employed. The SLAs and SLOs are adhered to and many others.

f) Deployment Lab

Here the deployment is done on secure, sharable labs in the cloud and is tested.



5. Cloud operations

We manage the entire cloud operations including license management, build services, run services and planning services.

a) Planning Services

b) License Management

We manage licenses through subscription model, pay as you go model, pay by instance model and bring your own license. We ensure that proper licensing allows software vendors to provide customers with access to real time data without security escalations and in minimum cost.

c) Build Services

It includes importing source code from cloud storage and build software quickly with various programming languages. It includes creating the build configuration file and executing the build.

d) Run Services

6. Vendor management

We undertake complete vendor management for cloud services including Microsoft liaising and vendor liaising.

a) Microsoft Liaisons

We collaborate and liaison with Microsoft Azure Cloud services, various Microsoft tools and others

b) Vendor Liaison

We implement vendor liaising with specific service agreement, maintenance agreement along with warranties to resolve issues in real time.

7. Security

We take complete security management of data, components and configuration on cloud. Our security management services include policies and compliance management, management of security controls etc.,

a) Policies and Compliance

All the cloud delivered systems are completely compliant with standards like HIPAA, PCI-DSS, NIST, NERC and other regulations that apply to cloud.

b) Security Controls

We employ the cloud security controls including the best practices and guidelines to address vulnerabilities in cloud environment and prevent malicious hacks or unauthorized access.

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Cloud Migration Checklist

Moving to the cloud is a fundamental shift for many organizations. IT teams are facing a task that is unlike any they have previously faced (at least within this company) and the results can be somewhat uncertain. As such, there may be a hesitation in making this move, locking companies into their legacy systems that are underperforming.

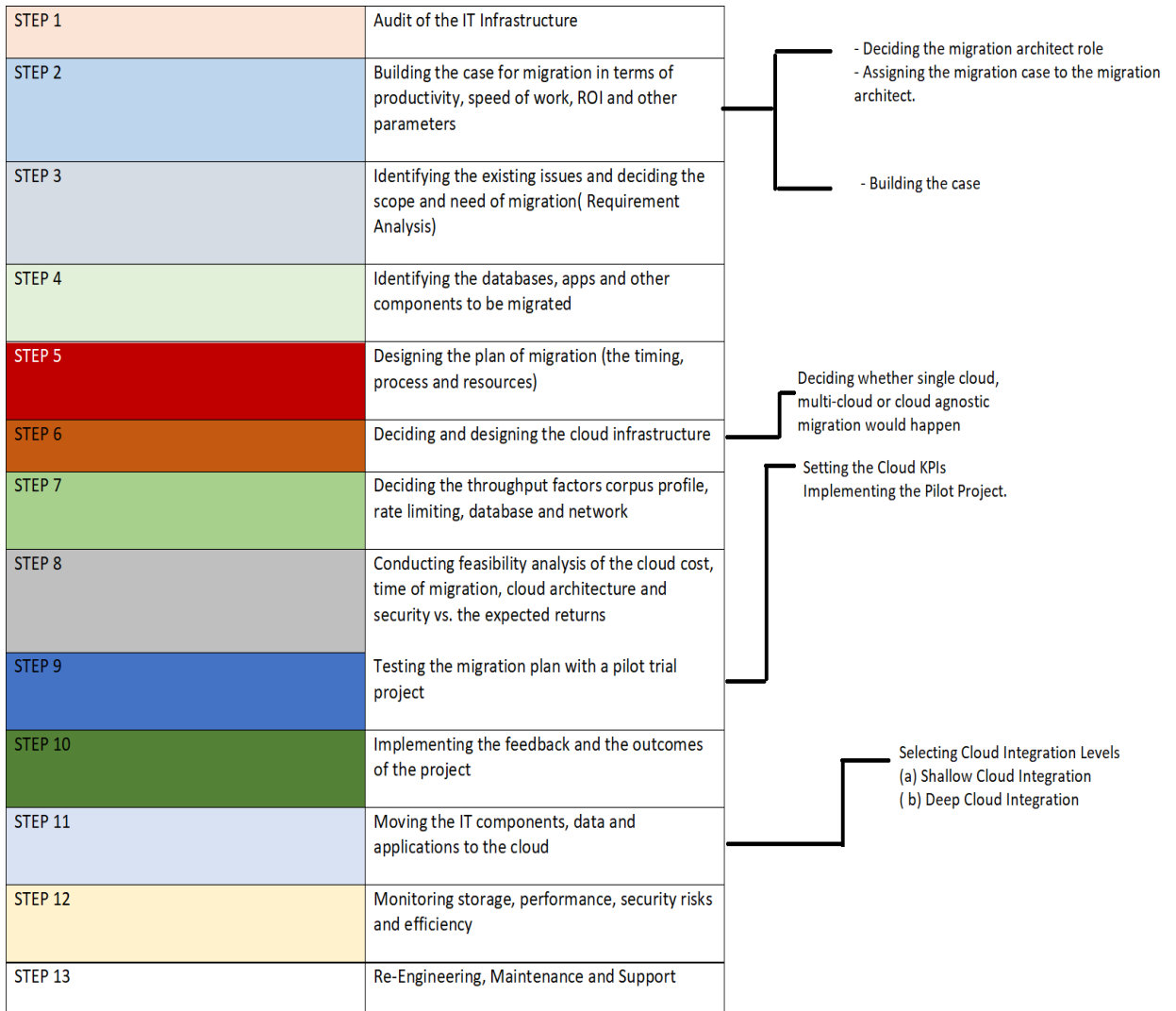


Image 2: Cloud Migration Checklist

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About Us

iSmile Technologies offers complete cloud transformation solutions including building future-proof infrastructure, building scalable cloud architecture, legacy modernization, choosing cloud platforms, assessing the cloud migration goals and limitations, prioritize applications, risks, and dependencies, create and deploy clear roadmap, along with migrating and monitoring on cloud.

WITH US, MORE DATA MEANS MORE PROFITS.

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