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AWS Cloud Migration

Helping Organizations Conduct Large Scale Cloud Migration

The Need for a Mass Cloud Migration Strategy

The adoption of a factory based cloud migration structure allows organizations to conduct large scale migration to cloud in an efficient manner

- **Well defined operating model:** Framework for organizations to implement a robust operating model that supports mass migration of applications to cloud
- **Enhanced efficiency:** Set of common practices, identified tools and resources to help in the efficient migration of applications
- **Tool based Automation:** Identification of appropriate tools relevant to each migration path which helps enable-timely execution of all migration related tasks
- **Uniformity and Standardization:** Applications with similar personas should be migrated using standardized approaches helping to reduce cost and complexity of execution

Key Phases in Enabling Large Scale AWS Migration



Phase 1. Migration Readiness Assessment (MRA)

The enterprise application portfolio is analyzed to assess cloud suitability, optimal landing zone and migration path



Phase 2. Migration Readiness Planning (MRP)

Migration portfolios are created and a pilot phase is executed to migrate select applications into cloud, thereby establishing a landing zone



Phase 3. Large Scale Migration Execution

The applications identified are grouped into migration waves and then executed using standard processes and tools



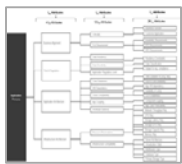
Phase 4. Multi-Speed IT Transformation

Adopting multi-speed IT through a structured program helps organizations deliver IT services at different speeds to the end users

Phase 1: Migration Readiness Assessment (MRA)

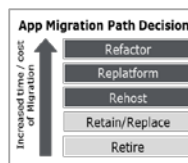
In this phase, the enterprise application portfolio is analyzed using a suitability and placement assessment framework to help identify migration candidates and the TCO impact

Step 1: Application Analysis



Conduct **portfolio data collection** for identified target applications across four dimensions to establish key app characteristics

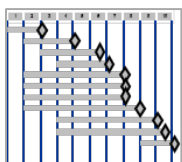
Step 2: Cloud Suitability & Placement



Analyze input data to understand

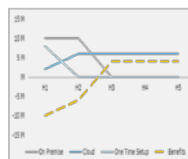
- Cloud suitability
- Optimal **landing zone**
- Migration path
- **Security** demands

Step 3: Migration Pattern Decision



Prioritize applications based on tool driven analysis of benefits, functionality, complexity and effort required for **migration and security**

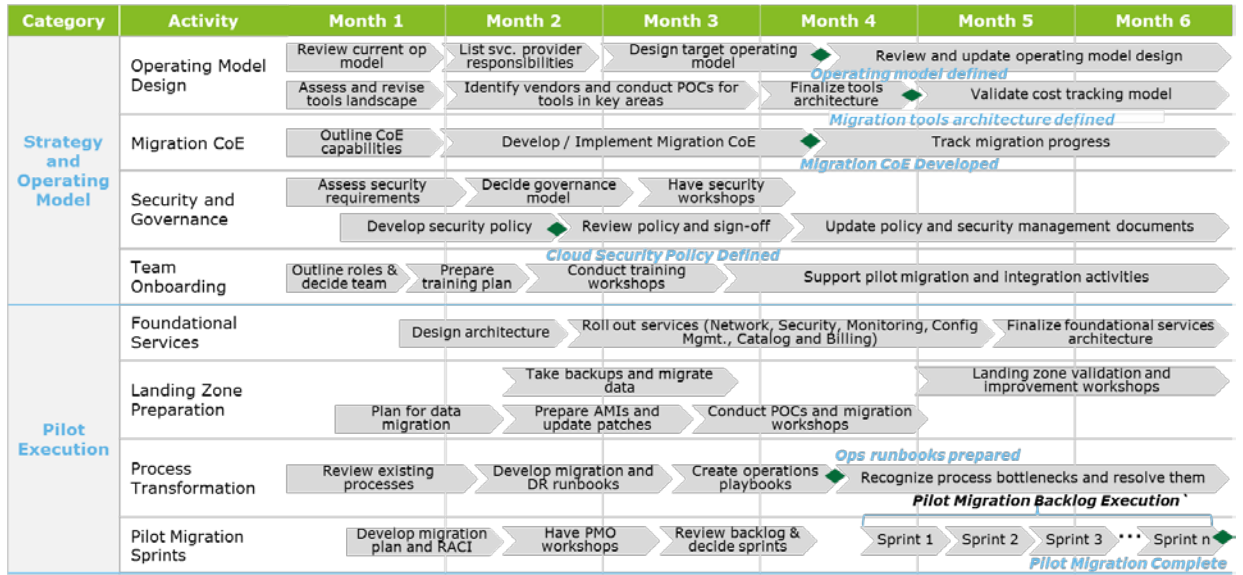
Step 4: TCO Analysis & Business Case



Based on migration path and application TCO, create **migration roadmap** and assess potential **impact of migration on TCO**

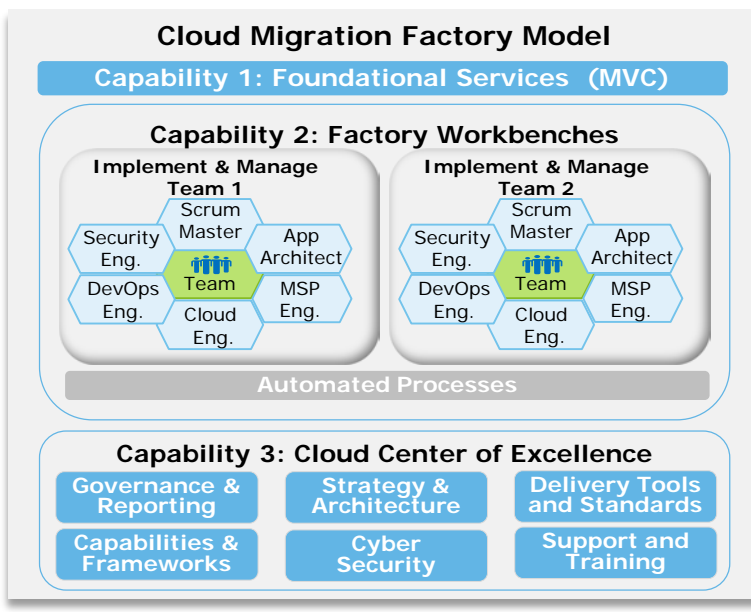
Phase 2: Migration Readiness Planning (MRP)

The application candidates are organized into migration portfolios and a select few are migrated in a pilot phase to help finalize the operating model and validate the business case



Phase 3: Large Scale Migration Execution

Factory based approach helps organizations have a model with a standard set of processes which will be executed to complete mass migration activities



Capability 1 – Foundational Services

Provides the core capabilities and services that are needed to enable application migration to cloud

Capability 2 – Factory Workbenches

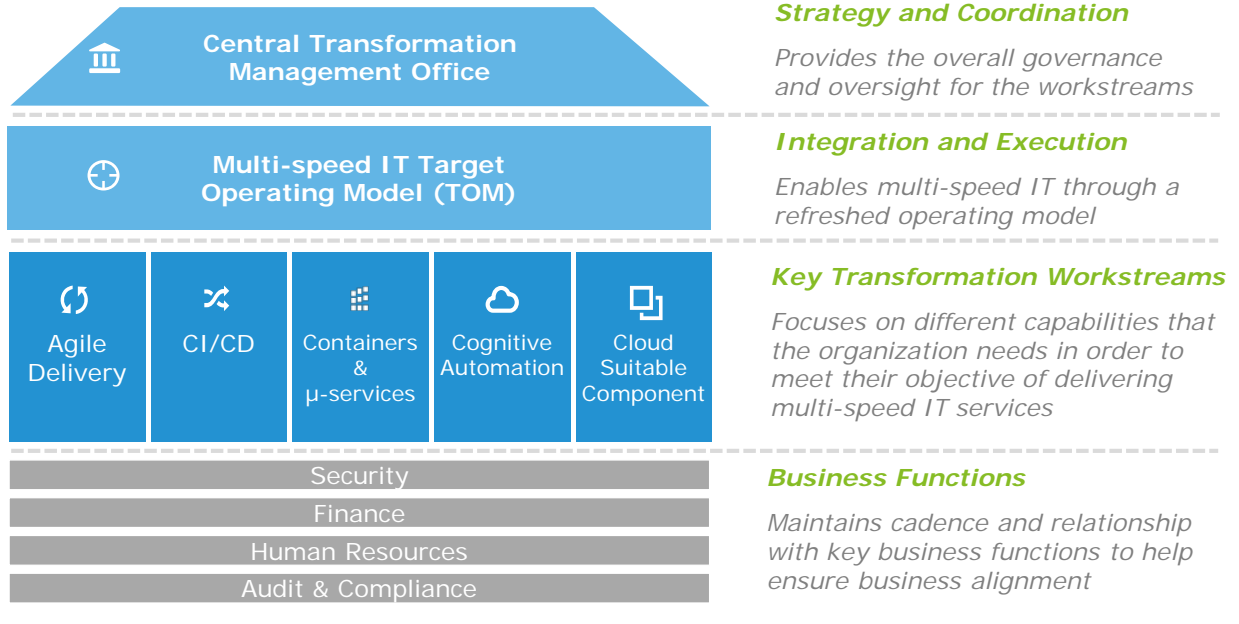
Migrates a number of applications in a short time by completing migration waves through automation and parallel sprints

Capability 3 – Cloud CoE

Implements business & technical capabilities for ensuring that the factory performs in alignment to the objectives set during adoption

Phase 4: Multi Speed IT Transformation

Multi-speed IT allows delivery of IT services at varying speeds as needed by end-users thereby enabling IT to be a broker of services



Key Migration Accelerators Provided by Deloitte

