



Streamlining Application Migration: A Hybrid-Agile Approach

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INTRODUCTION



In the pursuit of future-ready technology, businesses are increasingly turning to advanced computing environments like cloud services and colocation facilities. However, the migration process often poses significant challenges, especially for organizations with diverse applications, and the need to perform this effort without any interruption to the business.

At T2Tech, we have developed a powerful five-step methodology, proven successful in handling the complexities of application migration. Embracing a hybrid-agile approach and uniting cross-functional teams, we strike the ideal balance between meticulous planning and agile execution. This enables us to streamline the application migration process, while ensuring minimal business disruption. As a result, our clients are empowered to fully harness the potential of cloud tools and technologies, propelling them towards future success.

OUR SERVICES



An initial migration assessment ensures the effectiveness of our five-step process. In this pre-work, the infrastructure and application teams collaborate to achieve two key objectives: (1) obtain an accurate list of applications involved in the migration and their associated servers, and (2) determine the grouping of applications to be migrated together. This phase provides critical information, enabling a successful migration process without unanticipated roadblocks.

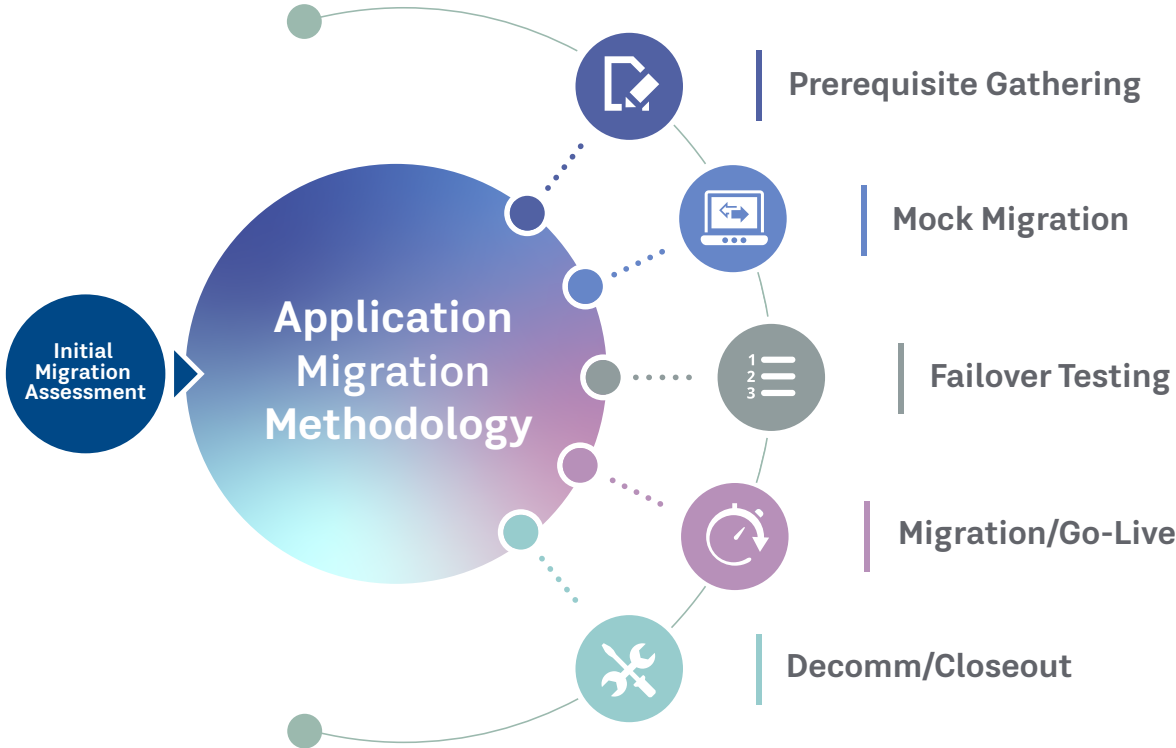
After the initial assessment, the application migration will be completed with an agile methodology that vertically

slices application groups into iterations. Each iteration involves completing the entire five-step process for one application group, minimizing operational disruption and resulting in a completed deliverable ready for the new environment.

By taking a hybrid-agile approach, these iterations empower teams to work more effectively. Working through one application group at a time, teams can review results, apply lessons learned, and move on to the next group. This streamlines project execution and enhances their ability to adapt to unexpected challenges.



AT A GLANCE: OUR FIVE-STEP METHODOLOGY FOR APPLICATION MIGRATION



Step 1: Prerequisite Gathering

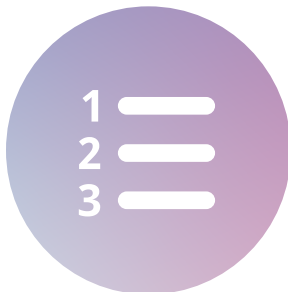
This step involves assessing the application’s operational requirements and devising a strategy for migrating the application along with other essential software and hardware components needed for its operation. We tackle this phase with a detailed mindset, ensuring that each application’s unique requirements and intricacies are thoroughly understood. We create standardized discovery documents for each application, outlining key features, security needs and strategies. Additionally, we design architecture diagrams for each application, develop a clear application migration process flow, and secure the necessary migration staff, including any required vendor assistance.



Step 2: Mock Migration

After gathering the prerequisite information, we move to the mock migration phase. This is a critical stage where we simulate the migration process to address potential problems and risks prior to going live.

Each application will need to be analyzed to determine the best approach as to how the data can be replicated between the local storage to the cloud storage. Conducting mock migrations will validate the optimal approach and tools to utilize.



Step 3: Failover Testing

After the mock migration, testing is conducted to validate that the application can still access the data and that it has not lost any functionality. Load tests are performed to simulate production conditions and verify that the application has not experienced a degradation in performance. Continuity tests are conducted, and the Failover and Failback capabilities are thoroughly tested. Backups of the application and data are completed and verified to ensure a successful recovery in case of a failed go-live attempt.



Step 4: Migration/Go-live

With preparations complete, we proceed to the go-live phase. We schedule and communicate application downtime, if needed, to all relevant parties. Cross-functional teams are assembled to support each application's go-live process, carefully migrating applications and data to the new cloud. After migrating each application, comprehensive testing is conducted again, and all documentation is updated accordingly. This ensures that the effort can be replicated if needed in a disaster, as part of a business continuity plan.



Step 5: Decommission/Closeout

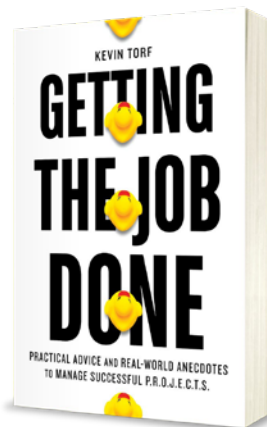
The final step involves decommissioning legacy applications and optimizing resources to offset all costs. This involves reducing unnecessary space, hardware, and software licenses. Additionally, we document and build out operational procedures to ensure a smooth transition to the new environment for the operational team.

“When it was time to find a project management partner, T2Tech Group was selected because of their experienced team and unique project management methodology. Their project managers allowed our very capable application team to work more efficiently, and they helped provide crucial knowledge and processes that will streamline our future move to a new primary data center.”

Teri Moraga, *VP of IT Infrastructure*
Sharp HealthCare

SHAPE YOUR DIGITAL FUTURE WITH T2TECH

At T2Tech, our hybrid-agile approach, supported by our proven five-step methodology, provides a clear and efficient path to navigate the complexities of application migration. Contact us now to embrace the technology of tomorrow while preserving business continuity today.



In our book, [Getting the Job Done](#), we expand on our hybrid-agile methodology, that inspires teams, and fosters accountability for unparalleled project success. Drawing on T2Tech’s case studies and decades of experience, we offer constructive, bite-size tips that transform overwhelming project undertakings into powerful collaborations.

Download or listen for free [Here](#).

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