An agile, scalable way to Integration Modernization

Migrate from legacy integration technologies to Red Hat Fuse with Wipro's Integration Migration Toolkit

Introduction

Integration is a key enabler of digital transformation and IT modernization initiatives. Most digital transformation projects fail due to siloed data and unreliable integration approaches. Centralized traditional architectures are unable to keep up with the speed and volume of the integrations required for a digital transformation, making it critical for organizations to adopt an agile integration strategy paired with a hybrid platform.

To accelerate an agile integration process, organizations need to move away from legacy middleware technologies to more flexible and scalable alternatives. Red Hat® Fuse, a flexible and cloud-native integration platform, offers a distributed approach that allows IT teams to deploy integrated services where required. Its API-centric, container-based architecture decouples services so they can be created, extended, and deployed independently, enabling enterprises to be more

adaptive. Red Hat Fuse is based on proven open-source technologies such as Apache Camel, Apache ActiveMQ Artemis, and more.

Although most organizations realize the criticality of an agile integration platform, concerns about costs, risks, and time cause them to be hesitant about undergoing a migration. Wipro's Integration Migration Toolkit (IMT) addresses these concerns by simplifying the migration of artifacts from traditional integration platforms to Red Hat Fuse through automated discovery, retro-documentation and code migration.

Red Hat Fuse is part of the Red Hat Integration platform, which brings additional capabilities such as API management, messaging, data streaming, and Change Data Capture (CDC), and provides a comprehensive open-source, cloud native platform for digital integration initiatives.

Wipro's Integration Migration Toolkit

Wipro's IMT, a comprehensive migration toolkit, has pluggable, lightweight, microservices-based components like the Analyzer, Migrator and Deployer that automate tasks across assessment,

development and deployment phases of the migration process, thus simplifying and accelerating the migration process, reducing total cost of ownership and adding predictability.
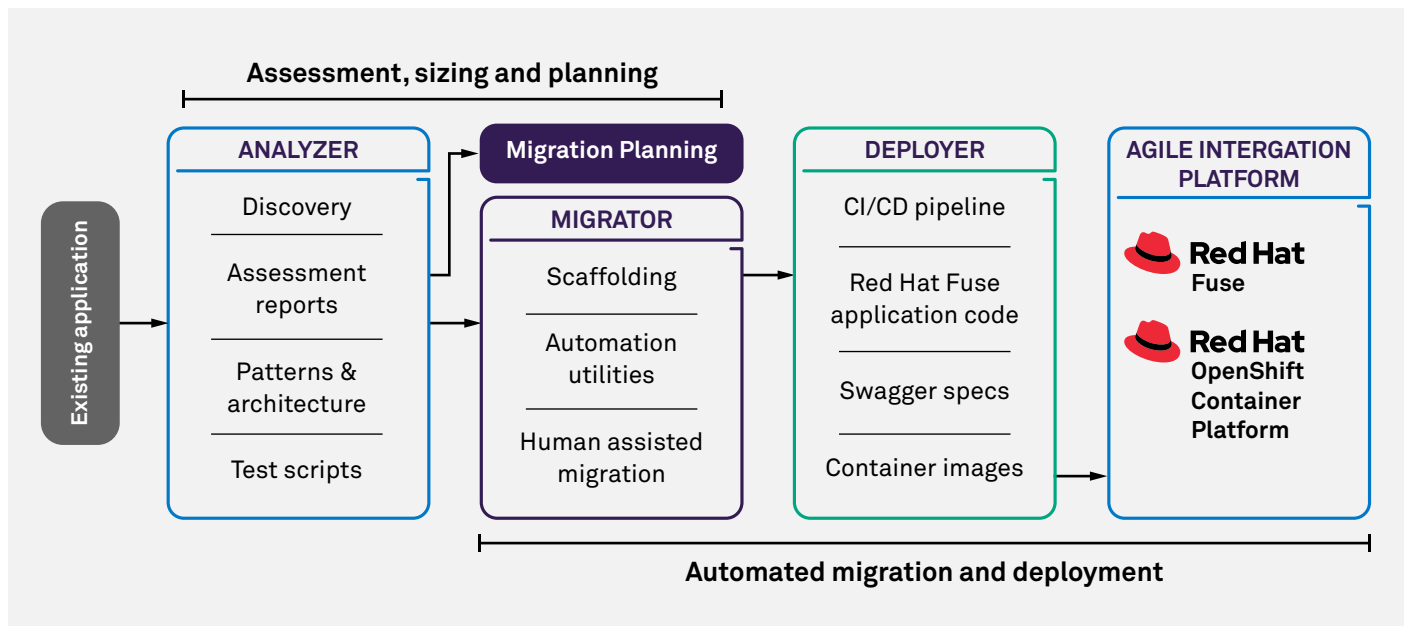

Fig 1: An overview of Wipro's IMT automated migration process

Key features

Both the analysis of source integrations and an eventual migration can involve considerable manual efforts. Wipro's IMT offers a wealth of features, including the following three components that enable easy and rapid migrations from legacy middleware systems to Red Hat Fuse:

The Analyzer performs an in-depth source code analysis to prioritize and plan an integration migration across application configurations, routing rules, and transformation logic.

The Migrator generates code into a canonical structure that enhances the ability to support multiple source integration platforms and enterprise integration patterns.

The Deployer generates microservices-based, container-ready applications that can be easily deployed on the Red Hat OpenShift® - a leading multicloud container platform[1] - thus allowing for hybrid integration deployments.

Key benefits

Reduced Costs

- Automates ~50% of the source code analysis.
- Automates ~40% of the common migration tasks for faster builds.
- Automates ~30% of the testing and deployment.
- 80% reduction in TCO with Red Hat Fuse.[2]

Lowered Risk

- Automates migration phases to eliminate errors and cut down on manual efforts to lower associated risks.
- Better code coverage and support for multiple enterprise application integration (EAI) patterns.

Faster ROI

- Three-year ROI of 520% with Red Hat Fuse.[2]
- Faster API definitions through automated Swagger spec generation.
- Reduced deployment efforts through containerization with Red Hat OpenShift.
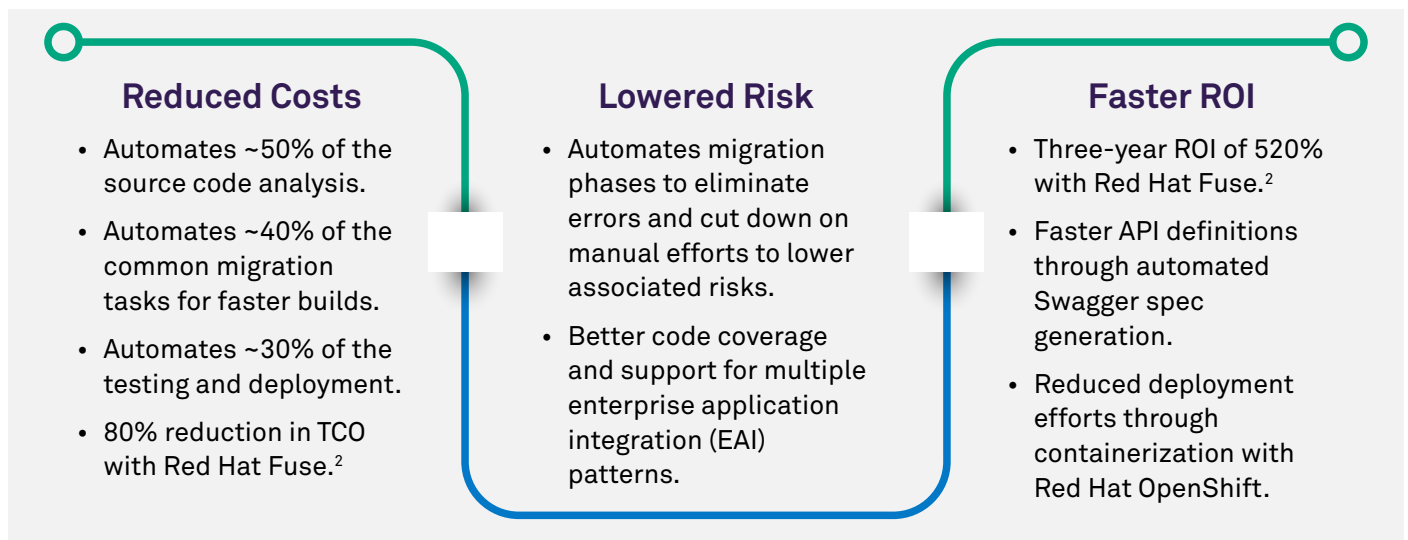
Fig 2. Measurable benefits of migrating from traditional integration platforms to Red Hat Fuse with Wipro's IMT

A measurable, manageable migration to Red Hat Fuse on Red Hat OpenShift

The choices an enterprise makes in developing its integration strategy and adopting its migration tools can make or break an enterprise's modernization efforts and determine the success of its digital transformation. An effective transformation process is underpinned by the digital integration platform that serves as its backbone, and Wipro's IMT and consulting expertise provide a reliable, rapid, and assured migration from legacy integration platforms to Red Hat Fuse. Wipro's IMT delivers an agile, flexible, and streamlined digital integration solution, thus helping organizations accelerate their digital transformation journey.

To learn how Wipro can help your organization adapt to today's changing digital demands and modernize your integration operations, contact us at **digital.contact@wipro.com** or visit **https://wiprodigital.com/partners/red-hat/.**

[1]https://www.redhat.com/en/engage/forrester-wave-multicloud-container-platform-analyst-material
[2]https://www.redhat.com/en/resources/value-red-hat-integration-products

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