

MODERNIZING A CREDIT RATING PLATFORM WITH MICROSERVICES

A leading U.S. provider of credit ratings, research and risk analysis was looking to consolidate several rating applications and replace their legacy ratings framework. At issue was a monolithic application that faced change management issues as well as scalability restrictions caused by the existing architecture.

BUSINESS GOALS

- Create a stable, flexible, secure and transparent ratings platform
- Improve the quality of ratings data
- Reduce TCO and improve time to market

YOUR CREDIT



BUSINESS BENEFITS

- GREATER SCALABILITY AND EFFICIENT TRANSACTION MONITORING ACROSS THE CORE RATING BUSINESS
- IMPROVED RESILIENCY BY INTRODUCING MICROSERVICES-BASED PROCESS ORCHESTRATION BETWEEN BUSINESS COMPONENTS
- BETTER BUSINESS AGILITY MADE POSSIBLE BY MICROSERVICES MONITORING

CHALLENGES

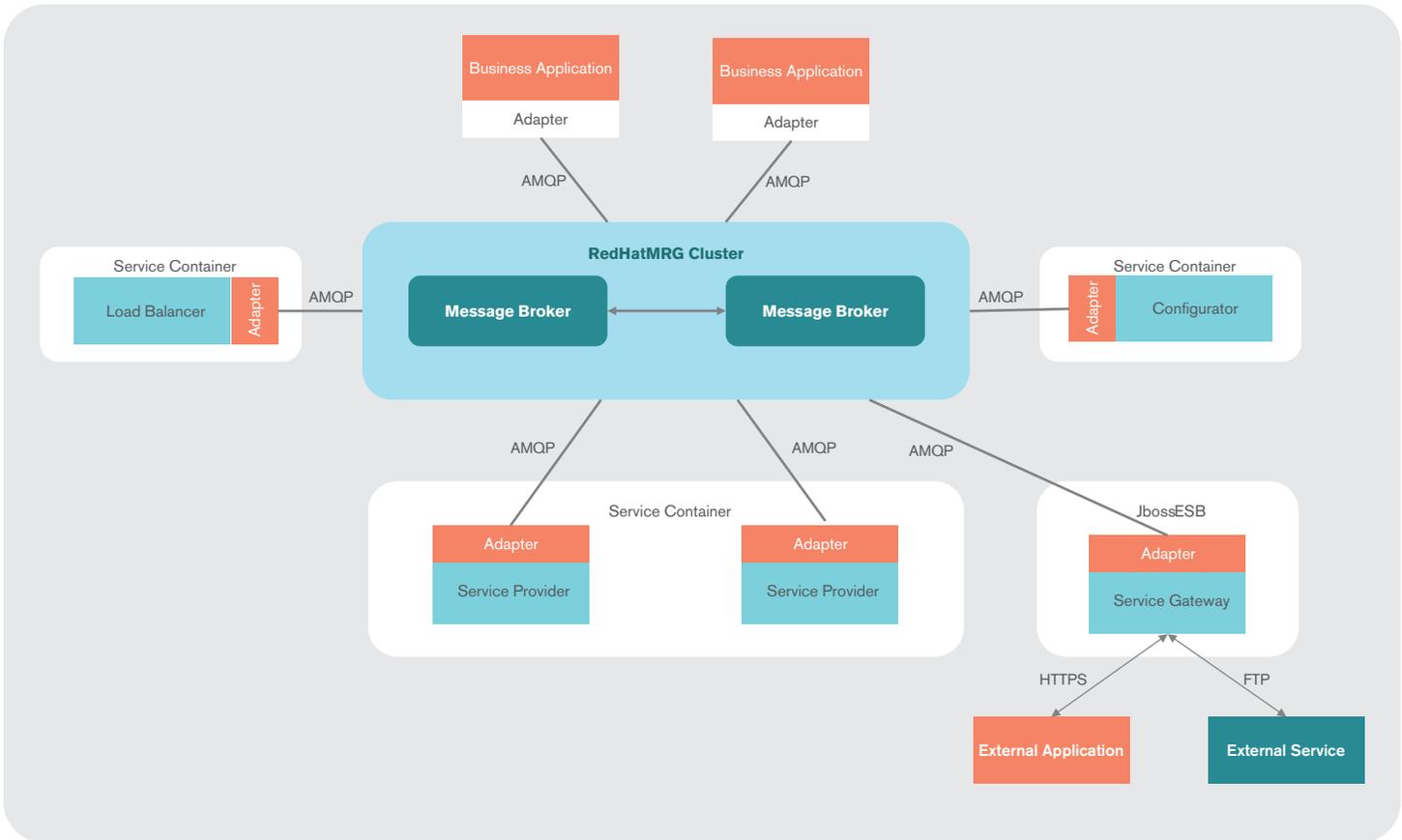
- Release management issues that resulted in slower time to market
- Limited scalability because the monolithic architecture did not permit components to be scaled
- Lack of SOA, non-standardized governance
- Poor business agility

SYNTEL'S SOLUTION

Syntel partnered with the client to design and implement a digital initiative to transform the existing legacy platform to a modern microservices architecture. Our approach consisted of the following activities:

- Syntel's Digital One group studied the architecture of the client's existing systems, as well as various integration points
- Based on this understanding of the digital modernization requirements, Syntel worked closely with the client's team to map out the future platform's enterprise architecture
- Devised a microservices-based strategy for the new platform, to ensure reuse of existing business logic

SOLUTION ARCHITECTURE



About Syntel

Syntel (Nasdaq:SYNT) is a leading global provider of integrated information technology and knowledge process services. Syntel helps global enterprises evolve the core by leveraging automation, scaled agile and cloud platforms to build efficient application development and management, testing and infrastructure solutions. Syntel's digital services enable companies to engage customers, discover new insights through analytics, and create a more connected enterprise through the internet of things. Syntel's "Customer for Life" philosophy builds collaborative partnerships and creates long-term client value by investing in IP, solutions and industry-focused delivery teams with deep domain knowledge.

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