MIGRATE LEGACY BUSINESS RULES TO RED HAT DECISION MANAGER WITH TCS

TCS has found that large modernization projects that use TCS MasterCraft-based reverse engineering shorten the migration time and improve traceability and reliability.

INTRODUCTION

Many organizations rely on the business logic that is embedded in COBOL-based legacy applications to perform critical functions. There are several problems with this dependence:

- Legacy applications lack sufficient documentation, and the complexity of the embedded logic and dependencies makes it very difficult to implement changes.
- Only a few people understand the legacy code, and often the original writers are no longer with the organization.
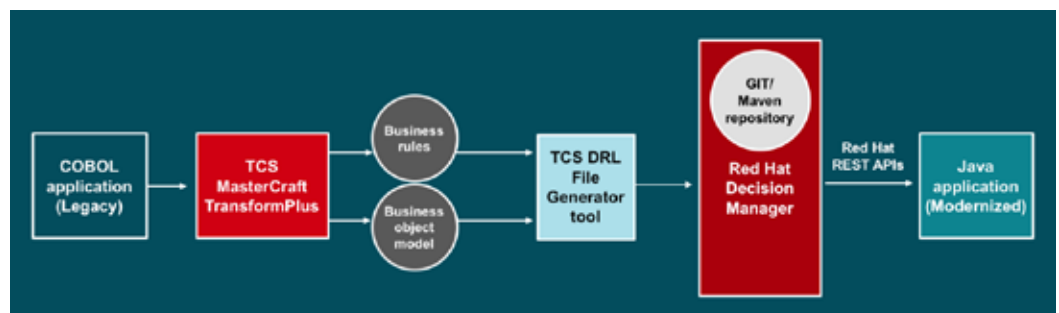- These COBOL-based applications need to be adapted to meet rapidly changing business requirements.

For organizations to deliver modern applications, this business logic must be extracted and incorporated into middleware, where it can benefit from standardization and reuse. Tata Consultancy Services (TCS) helps organizations discover, extract, and migrate these COBOL-based business rules to Red Hat® Decision Manager.
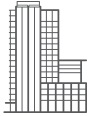
TCS BUSINESS RULES EXTERNALIZATION

TCS Business Rules Externalization into Red Hat Decision Manager is a migration offering, built on TCS MasterCraft™ TransformPlus, which helps enterprises extract business rules from legacy applications and migrate those rules to an open source business rules template that can be used by modern applications.

The TCS Business Rules Externalization solution includes key components:

- **TCS MasterCraft TransformPlus** is an enterprise transformation product that analyzes legacy applications, captures application intricacies, and extracts the embedded business rules. TransformPlus helps organizations gain 360-degree insights into their legacy applications.
- **TCS DRL File Generator** converts the business rules extracted by TCS MasterCraft TransformPlus into a format that is easily understood by Red Hat Decision Manager.
- **Red Hat Decision Manager** uses the converted rules from the TCS DRL File Generator to modernize the application. In addition, it allows users to create new rules to meet evolving business requirements.

Figure 1. TCS legacy to Red Hat Decision Manager

NORTH AMERICA
1 888 REDHAT1

**EUROPE, MIDDLE EAST,
AND AFRICA**
00800 7334 2835
europe@redhat.com

ASIA PACIFIC
+65 6490 4200
apac@redhat.com

LATIN AMERICA
+54 11 4329 7300
info-latam@redhat.com

facebook.com/redhatinc
@redhatnews
linkedin.com/company/red-hat

redhat.com
#f12287_1018

RED HAT DECISION MANAGER

Red Hat Decision Manager, formerly Red Hat JBoss® BRMS, is a comprehensive business automation platform for business rules management, business resource optimization, and complex event processing (CEP). With Decision Manager, organizations can incorporate sophisticated decision logic into line-of-business applications and quickly update underlying business rules as market conditions change.

Decision Manager is supported by the major application servers and can be deployed on any of the application servers in Figure 2 using Java™ Development Kit (JDK) version 8.

APPLICATION SERVERS
Red Hat JBoss EAP
Red Hat JBoss Web Server
IBM Web Sphere Application Server
Oracle Weblogic Server

Figure 2. Application servers that support Red Hat Decision Manager

TCS AND RED HAT STRATEGIC ALIGNMENT

TCS is a certified Red Hat Premier Business Partner with the knowledge and experience to assist organizations with the implementation of Red Hat platforms. With over 800 Red Hat certified accreditations, TCS has helped customers successfully implement Red Hat solutions.

CONCLUSION

TCS has the tools, methodologies, and expertise to rapidly build new business rules environments. TCS Business Rules Externalization into Red Hat Decision Manager delivers the following benefits:

- **Lower migration risk** through automated tools that provide faster and more reliable discovery and extraction than manual processes.

- **Faster time to market** for the migrated business rules with automated tools–instead of modifying the legacy application code.

- **Simplified new business rules** with Red Hat Decision Manager, which makes it easy to create, modify, and reuse rules.

- **Transformed business rules** that enable modern applications and meet new business requirements.

- **Reduced application maintenance costs** with open source-based externalized business rules.

LEARN MORE

For more information on the TCS Business Rules Externalization offering, contact opensource.teg@tcs.com.

ABOUT TATA CONSULTANCY SERVICES LTD (TCS)

Tata Consultancy Services is an IT services, consulting and business solutions organization that delivers real results to global business, ensuring a level of certainty no other firm can match. TCS offers a consulting-led, integrated portfolio of IT and IT-enabled, infrastructure, engineering and assurance services. This is delivered through its unique Global Network Delivery Model™, recognized as the benchmark of excellence in software development. A part of the Tata Group, India's largest industrial conglomerate, TCS has a global footprint and is listed on the National Stock Exchange and Bombay Stock Exchange in India.

For more information, visit us at www.tcs.com.