HOSTBRIDGE ®
T E C H N O L O G Y
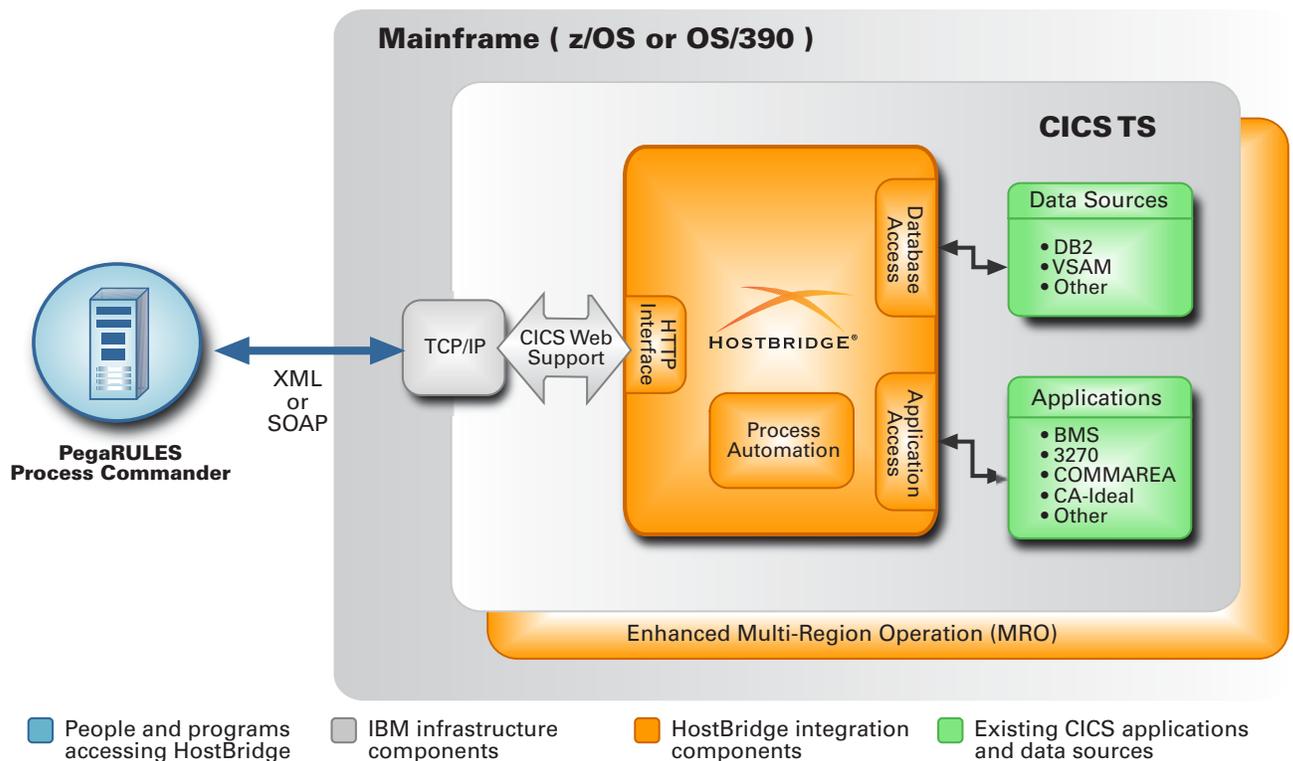COMPLETE CICS® INTEGRATION

Pega Connector for CICS

HostBridge® Pega Connector (HostBridge) is mainframe software that allows CICS transactions and data to be easily integrated with PegaRULES Process Commander. HostBridge eliminates the need to change or rewrite CICS applications so you can quickly transform your existing CICS business systems into web services, integrate them with business processes, or make them accessible to partner networks.

- Encapsulate mainframe business logic as Web services.
- Integrate legacy applications and data sources into BPM flows.
- Provide scalable, reliable integration without additional hardware costs.
- Standards-based interfaces deliver mainframe services quickly,

The basic architecture for using HostBridge with PegaRULES Process Commander appears below.

PegaRULES Process Commander invokes HostBridge services and returns the output for use in SmartBPM projects. Because HostBridge accepts HTTP requests and can return output as XML or web services, CICS applications can be integrated in to rich internet applications (RIA) using asynchronous Javascript XML (AJAX) to quickly deliver intelligent user interfaces. The combination of HostBridge and PegaRULES Process Commander preserves investments in legacy CICS applications and aligns your integration with real business objectives.

Benefits

The benefits of using HostBridge versus the alternative screen scraping methods are well-known.

Benefit	Description
Eliminates screen scraping	**Integration based on field names rather than screen geometry.** Screen-scraping solutions require integration developers to identify fields based on their location in a screen. Changes to the host application can break the integration if they change the screen geometry. HostBridge insulates developers from changes in geometry by recognizing changes in the screen layout and allowing developers to reference only the field names.
Faster integration; lower risk	**No changes to existing CICS applications.** Competing solutions that require changes to your existing CICS applications extend development time and introduce risk into your integration projects due to the changes in source code. HostBridge works without any changes to trusted applications and preserves existing business logic without affecting users of the existing applications.
HTML, XML, and SOAP support	**HostBridge returns data as HTML pages or XML documents and makes applications available via SOAP.** HostBridge automatically converts CICS transaction data to HTML or XML and allows external applications to invoke transactions as web services. A CICS-based JavaScript engine allows a single request to drive multiple transactions and return the resulting data in a single response.

Application integration is usually time-consuming and expensive. It requires the adoption of an integration framework, adapters, and human resources. HostBridge Pega Connector provides a streamlined solution that works alone or within an existing framework and requires little effort to implement. Its unique ability to produce well-formed XML documents improves error handling, simplifies change management, and allows you to make nearly seamless migrations to new systems and or platforms. For companies integrating CICS applications with other technologies, HostBridge saves time, saves money, and prevents the frustration that usually accompanies integration.

Summary

HostBridge provides the scalability and reliability expected of mainframe solutions and combines it with uncommon simplicity so it easily fits into any integration architecture. HostBridge immediately extends the ROI of CICS transactions inside the firewall while bringing new returns through business integration