

Rimini Street Browser Proxy Technical Note

System Requirements

Following are the basic requirements to complete the testing phase of the Browser Proxy implementation. For production deployments, each server supports approximately 500 concurrent users. It requires the addition of an Apache web server to the customer's network.

Virtual machine specifications for customer environment:

- Windows Server 2012R2+
- 4 Core CPU
- 16GB RAM
- 100 GB Disk

Access requirements for customer environment:

- Remote access
- Internet access from server (for downloading software)
- Administrator user
- ERP user account (for testing)

For more information about the Rimini Street Browser Proxy web compatibility solution, please see the [Browser Proxy Solution Brief](#).

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Solve Compatibility Problems with Newer Web Browsers

Product Overview

Rimini Street Browser Proxy is a patent-pending, web browser compatibility solution. It enables use of one or more browsers that are incompatible with the HTML messaging being sent by ERP applications. A common example is when an ERP system needs to be updated to conform to a new browser version or multiple types of browsers. Instead of updating the ERP code, a Browser Proxy server is installed with a rule-based, programmable engine that receives HTML from the Oracle or SAP ERP applications and reinterprets it for the different browsers. Primary benefits include:

- ERP systems remain untouched
- Any combination of browsers and applications can be used
- Fast, in-memory operation doesn't affect response times
- Rules created by Rimini Street are easily added or modified as new browser compatibility issues arise
- Regression testing on ERP system is unnecessary because no code is changed

Browser Proxy is a prime example of an encapsulation strategy leveraged by Rimini Street. Enabled organizations can integrate new technologies — such as mobile tablet clients and their browsers — into their IT infrastructure without affecting the ERP system. These techniques can greatly extend the life and performance of existing and stabilized applications, thus reducing total cost of ownership (TCO).

Rimini Street helps extend the overall life of vital Oracle and SAP ERP systems while reducing TCO by focusing on usability, performance, interoperability, security, and compliance.

Technical Summary

An Apache web server running a mod_perl enabled reverse proxy (Apache/SP server) is interposed on the network between the back-end HTTP host application server and the HTTP client browser environment by means of a ProxyPass directive in the main Apache application configuration file (httpd.conf).

As requests are processed between the client and the server, a rules engine in Browser Proxy applies changes to the HTTP request and response to ensure that the client displays the response correctly and that the server receives the request in the expected format.

