



A High end Performance Chips manufacturer based out of Silicon Valley - Azul Systems Inc was in the look out for a Performance Benchmarking Partner. FCS was selected because of the immense expertise and in depth knowledge brought to the table in terms of Oracle product spectrum.

Azul validated vendors on various parameters like the subject matter expertise on Oracle Data Integrator, SOA, BPEL etc and also on the 3 Ps – People, Process and the Plan. FCS could showcase the extensive knowledge of its team, the robust process framework and also laid out the planned model of execution. This provided Azul the right confidence in their partner which got reinforced throughout the project duration.

The initial engagement was to benchmark Azul JVM on a High End Vega 3 machine by developing a fully functional ODI (Oracle Data Integrator) flow and compare it with the performance on a Sun and Azul JVMs. The second part of the engagement was to automate a business process through Oracle BPEL and comparing the performance of BPEL flows on Sun and Azul JVMs. All relevant software including SOA Suite, JDeveloper, BPEL flows, Oracle Data Integrator were installed on Enterprise Red Hat Linux System by FCS.

Solution

The Project team required deep functional knowledge of the procurement flow selected for demo and along with it, had to have strong technical knowledge of ODI for the ETL flow and needed SOA Suite, JDeveloper and BPEL process knowledge for constructing BPEL flows. The Java program had to be fine-tuned for parallel processing and then converting into web services.

The Project was executed completely offshore with a lean team providing a cost effective execution model. This could be done successfully due to the robust and transparent project management framework of FCS

FCS adopted Unified methodology which included installing the pre-requisite software, installing the SOA Suite, JDeveloper, converting the Java Program into Web Service and building a complete ETL program after installing ODI. This helped in capturing each stage in greater detail and also assisted in systematic development of the programs with enough checks in place.

Solution Highlights

Performance Benchmarking of Azul JVM Appliance against Sun JVM Appliance

Executed completely from offshore within budget and within the project timelines

The connection to Azul Systems was through VNC.

Performance benchmarking done in the Procurement Functional area with medium to complex flow. The number of rows collected and the time taken was measured using clock speed and detailed traces.

End-to-End activities including the installation, configuration and benchmarking Oracle products on Azul JVM.

The Road Ahead

Azul and FCS partner to showcase the benchmarking results and FCS competency in the Global Markets.

Key Expectations

Benchmarking Azul Appliance and comparing them with the performance on Sun JVM BPEL and ODI Flows compatibility to the Azul JVM.

Executing large volume transactions involving parallel processing

The engagement is increasing in scope due to the excellent project execution by FCS ensuring complete customer satisfaction



"Partnership with FCS has revealed a new bunch of performance metrics for Azul JVM, excellent job done by the FCS team"

Project Manager
Azul Systems Inc.



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