

Solution

Signature® International Modernization on IBM Hybrid Cloud with Red Hat OpenShift

In line with continuous innovation for our customers, the Signature team at Fiserv is working with IBM to provide a flexible roadmap to include Signature cloud native workloads on Red Hat® OpenShift®. These will run natively on IBM's latest Power10 processor based servers, which host the Signature core banking solution.

By consolidating existing Signature workloads and adding new, cloud native microservices on the IBM Power® platform, clients can accelerate application modernization to deliver agile and ground breaking Fiserv services to their customers on private or hybrid cloud service deployments.

By taking advantage of incremental, in place modernization, clients are able to leverage software security profiles that they are already using in production. This will help reduce the effort and cost involved in modernization, eliminating the need to rip and replace systems to achieve new cloud capabilities.



Testing Results for Signature on Red Hat OpenShift

For performance benchmarks we tested Microservices and Signature. Load was generated from virtual machines using JMeter and sent to the REST APIs. A select set of the REST APIs was used, providing a mix of service requests in order to generate the load.

Initial results: Our testing so far has achieved 19,000 transactions per second (TPS). Fine tuning is now taking place to determine if we can increase the TPS further.