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High Availability and Disaster Recovery using IBM WebSphere DataPower SOA Appliances

Client:

Financial Services Client

The Project:

This solution was designed to meet the business requirements of the customer to reduce the downtime and the recovery time to a base minimum and obtain better control over the systems during outages. iSOA Group has been working with the client delivering various solutions for the past two years. During this period the client had decided to move away from DataPower and use the Oracle BPM layer in an attempt to achieve a reduction in recovery time, increased data rate, and consolidate systems across the globe with 0% data loss. iSOA Group approached the client with the idea of developing a solution utilizing their current investment in IBM WebSphere DataPower SOA Appliances (human resources and hardware) instead of breaking in a whole new technology.

Solutions Details:

With our long standing reputation at the client, and strong knowledge base in DataPower we were given the opportunity to prove out DataPower as the best solution. We were able to demonstrate the capacity of IBM WebSphere DataPower SOA Appliances to its full extent which far exceeded the capacity of the Oracle solution. We conducted performance timing comparisons & capacity testing and were able to achieve the target minimum base recovery time along with a much faster data rate! By rewriting certain applications with performance issues in Oracle AIA Platform to work instead on IBM WebSphere DataPower SOA Appliances, data transfer increased from 25 tps to 500 tps in a single node showing an exponential increase for the customer. The implementation of this solution helped the client to not only take advantage of their current investment in technology and skills, but far exceeded the performance of the solution that they were considering.

Technologies:

IBM WebSphere DataPower XI50, TIBCO

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