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Cost savings through DC consolidation

sumerian® ▶▶
Forward Thinking

Global financial services provider achieved additional cost saving of approximately 30% per year with Sumerian Forward Thinking® analytics.

The challenge

As part of a cost reduction program, the client wanted to integrate a data-center it had inherited through a recent acquisition and rationalize its regional datacenter estate. The client had identified that closing the acquired data-center would save approximately \$3.2M in operating costs. However, it believed taking its usual approach of integrating the acquired resources on a like-for-like basis into its existing regional datacenters would leave further, potentially significant, cost savings on the table.

Why Sumerian?

The client believed Sumerian Forward Thinking® analytics would provide the accurate, statistical evidence needed to establish an optimal consolidation plan and maximize the cost savings it could generate.

Sumerian solution

Sumerian's starting point was to create an accurate baseline model of the client's current, combined datacenter estate and its associated workload profile. The analysis was conducted over an extended data set to ensure that any cyclical variations in consumption patterns were captured and factored in. Our models were generated using three sets of existing data from the client's estate: Cmdb inventory, SCOM systems utilization logs and SiteScope performance logs.

We then used our predictive analytics capability to model various consolidation scenarios, calculating the capacity required to execute the combined current workload while at the same time ensuring current service performance and availability levels remained in tact. For example, Sumerian used its modeling to identify where stacking or sharing applications across a reduced number of server instances could be applied. Our modeling factored in considerations such as security policies, availability targets and client business rules.

Finally, Sumerian created cost models to analyze the cost implications of alternate optimization scenarios and accurately calculate the potential cost savings.

Outcome and results

Sumerian delivered results to the client four weeks after the initial data was uploaded.

By gaining an accurate understanding of current workload profiles, along with performance and capacity across the acquired and existing datacenter estate, Sumerian was able to identify an optimal consolidation plan for the client. We were able to specify the exact sizing and capacity requirements needed across the two existing regional datacenters to support the new combined workload.

In addition to identifying the savings that could be achieved by a reduction in the overall size of the server estate, Sumerian was able to identify how further gains could be achieved through application level consolidation and deployment.

As a result, in addition to achieving the originally targeted \$3.2M operating cost savings from closing the acquired datacenter, the client was able to generate a further \$1M in annual savings.

▶▶ More information

To find out more about our client stories, just give us a call on 0131 226 9300, drop an email to sarah@sumerian.com or visit our website at www.sumerian.com