EDS

Customer Background

EDS provides a broad portfolio of business and technology solutions to help its clients worldwide improve their business performance. Their core portfolio comprises of information-technology, applications and business process services, as well as information-technology transformation services.

Customer Challenges

EDS's customer 'General Motors' desired to consolidate a data center in Adelaide, Australia by moving the data to a remote data center in Plano, Texas. The requirement was to migrate 350 GBytes of GM's data between sites, including a daily change rate of approximately 26%. EDS partnered with EMC to make this migration possible.

The migration was challenging due to excessive network latency of 300 ms and extremely high packet loss between sites. Two 10 Mbps half-duplex Ethernet segments contributed to the packet loss and out of order packet conditions. Unfortunately these Ethernet segments could not be upgraded prior to the start of the migration.

Cisco MDS FCIP adapters were originally considered for this migration but were dismissed by EMC engineering due the high latency of the network.

Customer Solution

EMC Professional Services brought in NetEx's HyperIP DMO (Data Migration Optimization) appliances to accelerate and optimize the SRDF/DM application operating between the local Symm 5's and the remote DMX3000 arrays.

HyperIP was able to overcome the network issues and shielded SRDF/DM from these conditions due to its robust transport technology. Prior to HyperIP the SRDF/DM application had difficulties completing the initial synchronization because of the extreme network conditions.

HyperIP also exceeded the pre-determined compression requirement by a factor of 2X, achieving compression of 4:1. In total, HyperIP allowed this EDS/EMC solution to achieve 120% effective data throughput for this very large Fortune 500 customer.

Memorable Quote

"The GM Adelaide mainframe workload is now in production in Plano. The new system DNIPC1A was declared a GO today at 17:45 system time (Melbourne/Sydney AET). Thanks to everyone who participated in this project. The success on this mainframe migration sets the tone for future migrations. Both EMC and NetEx have been critical to this success."
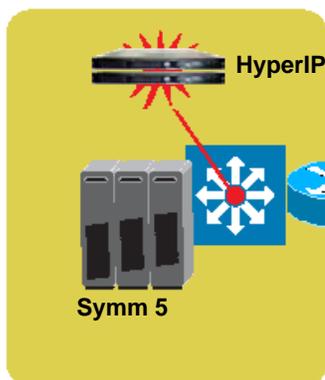
Christine O'Brien, Project Manager EDS—US SED
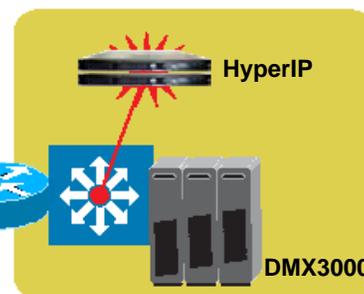
Customer Results/Benefits

HyperIP enabled EDS/EMC to successfully move GM's data center well within their scheduled production window. As a result, GM was able to reduce costs and safeguard their critical corporate 'data' assets.

HYPERIP® by NETEX®

Adelaide, AU — HyperIP — EDS — 10 Mb/s IP/MPLS Circuit — HyperIP — Plano, TX — Symm 5 — SRDF/DM — DMX3000