HITACHI
DATA SYSTEMS

According to Theresa Fitts, Director of Technology and Planning at networkMCI, "Being first out of the gate demands a computing infra-structure that can offer a lavish amount of CPU/MIPS capacity, as well as attractive economies of scale. That's why we've chosen the Hitachi Data Systems Skyline mainframe."

Customer Profile

Worldwide

Telecommunications

CICS
IMS
Adabase
DB2

How does
MCI keep track of friends and families?

With an HDS Skyline Series™ Processor

The goals
Improve response times for MCI's network information and Real Time Restoration applications. Increase CPU capacity without additional infrastructure costs. Improve the Internal Throughput Ratio (ITR) and response times for batch applications.

The challenges
MCI's explosive growth rate. Limited data center space.

The solution
An HDS Skyline 62 is the power behind MCI's Perryman, Maryland data center. The six-way Skyline is a net new footprint for MCI, intended to provide additional capacity within two basic Sysplexes. "Our customers—and our competition—demand that MCI be an innovative, time-to-market-driven telecom vendor," states Theresa Fitts, Director of Technology and Planning at networkMCI. "From a purely economic standpoint, Skyline means that instead of adding more and more footprints of slower machines and paying more software fees, we can direct those resources toward developing and delivering new products."

The right choice

That MCI made the right decision was evident when they moved a production on-line LPAR to the HDS Skyline. The LPAR ran MCI's network information on-line application, MECCA—critical to MCI's network service operations. The application and subsystem benefits were dramatic:

- Batch application run times were cut in half (including run times for MCI's National Consumer Billing System)
- Batch workloads that previously took all night were completed before 3:00 a.m.
- On-line application response times realized significant performance improvements
- Response times for some batch applications improved by 300%.

The HDS Skyline has also delivered notable data center benefits. MCI's logical data centers are built on the premise of sharing storage, network components, and miscellaneous peripherals with a maximum of four logical images. Expanding the number of images beyond this limit results in substantial infrastructure costs.

The Skyline 62 has allowed MCI to increase capacity from 390 MIPS per image to 780 MIPS per image, without incurring these additional costs.

MCI relies heavily on the data center to keep track of billing, maintenance, customer service, and customers. The data center is the "heart" of their Friends and Family operation. "Skyline mainframes are the only machines with enough CPU/MIPS capacity to allow MCI to develop and deliver the kind of innovative, first-out-of-the-gate products and services our customer base has come to expect," declares Theresa. "When you save on software, maintenance, environmentals, and operator costs, *and* have all the performance you need, you've gone a long way toward keeping your customer base happy and your competitors nervous."

HDS is proud to be a part of MCI's success!

HDS + MCI Telecommunications

Mission Possible