

Infrastructure - Network Design and Implementation

A mid-size Tax strategy company had been experiencing significant downtime of its core networks and applications, including their enterprise e-mail application. The company's senior executives wanted a fast migration to a more stable environment and needed a solution in place within weeks.

Interphase conducted a high-level infrastructure audit to determine how to resolve the instability and performance issues. Interphase consultants discovered an environment which had many deficiencies and was in dire need of improvement. Although there are many ways to design a corporate IT infrastructure, this client unfortunately had theirs implemented in a very precarious and incorrect way. The audit revealed various critical issues along with many deficiencies. After the audit was complete, Interphase addressed the following areas to resolve issues and improve the company's infrastructure:

Critical Risk Mitigation - Along with replacing unsecure and failing network and server hardware, Interphase immediately implemented a firewall and antivirus monitoring in order to stop what was once a rampant spread of viruses throughout the customer's sites.

Network Redesign - The client's network infrastructure (LAN & WAN) implementation was very unstable and incurred outages daily. Interphase's expert consultants completely redesigned the company's network providing a highly reliable and secure network environment for the client.

Domain Migration - Once the network was stabilized, Interphase consultants created an entirely new domain for the customer using industry Best Practices. The team also corrected the tape backup solution which had been failing for months. In order to provide some level of

redundancy across sites, the Interphase consulting team implemented Microsoft's Distributed File System (DFS) and established the replication of critical data to remote sites of the corporation.

Microsoft Exchange Implementation - Once the core server and network were reengineered, Interphase designed and deployed a Microsoft Exchange based e-Mail solution.

Each of the steps above is only a small sampling of what was done to help this client. All of the work was part of a 3-year IT Strategic plan which was also developed by Interphase Systems with the input of the client's senior executives. The results have been phenomenal in that the company has enjoyed a very stable, high-performance network and messaging infrastructure, which is now supporting other Enterprise Applications including their new ERP system.

