iNOC5 (Intelligent Network Operating Center)

❧ Client

ClearPath Networks offers the industry's most compelling set of managed network services, including iVPN, the industry's first MPLS network-based VPN with a fully integrated online management platform. The company provides a greater breadth and depth of customer-controllable managed service offerings than any other outsourced service provider.

❧ Challenge

The client needed the ability to help small and mid-sized businesses to reduce the costs, complexity, and associated risks of building and managing a high-performance Wide Area Network (WAN).

The client needed to develop a business-2-business system in order to:

1. support Value-Added-Resellers with a central place (master account) to monitor and manage their customers;

2. provide customers and VARs with a permission management tool with advanced role and functional control.

3. allow VARs to customize iNOC and private labeling iNOC via an easy to use configuration tool.

4. Consolidate databases between engineering DBs.

5. In addition, a replication process between OSS DB and Engineering DB will be built.

❧ Solution

After collecting user and business requirement, analyzing the existing system, a multi-tiered web application was designed to meet client's need in performance, availability, security, maintainability and flexibility.

▪ Instituted a single, web-based infrastructure to integrate global aspects of the company and VARs, allowing for enterprise information access

▪ Master Account for VAR, support VAR to manage all customers under his channel via a single, master login profile.

▪ Permission Management, allow VAR to update profile, upload logo, customize menu, create default user and customize layout, etc.

▪ Database consolidation, a backend process. All engineering databases need to be consolidating into one single database. A replication process needs to be set up between OSS and engineering database. iNOC application needs to be re-map with this re-built database.

▪ Private Labeling, build a dynamic and database driven iNOC application in order to apply private label template.

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❖ Client Benefits

This client was delighted with the outcome of the project. ClearPath lowers the total cost of WAN ownership for businesses throughout the United States by delivering fully integrated network-based applications with higher performance and reliability, at a more affordable cost than traditional CPE-based VPN and managed service providers.

Enabled by a team of highly experienced system architect, software developers, and database specialists, ClearPath is leveling the playing field for underserved businesses that are challenged with the high cost of managing distributed applications across a Wide Area Network.

❖ Technologies Utilized

ASP.NET, SQL SERVER, VB.NET, COM/COM+, HTML, JAVASCRIPT, XML, XSLT, TREEVIEW.