

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.

ServiceID	Service Name	VPN Name	Site Name	Service Location
17815	Biz Starter Pkg (Br)	Clearpath	Cooperman	4568 MAY EILEEN AVE STUDIO CITY CA 91604-2211
17887	SOHO		Durish	234 AVENUE C REDONDO BEACH CA 90277-4257
17810	SDSL 192	CLEARPATH_NETWORKS	Redman	2312 OAK GLEN PL LOS ANGELES CA 90039-3950
18474	SDSL 1000		Brian Pastre	2013 W 52ND ST GARFIELD CA 90249-4103
17150	SDSL 304	CLEARPATH_NETWORKS	Edward Levy	3047 GARDNER WAY HOUSTON TX 77025-2403
18034	SDSL 2500	Clearpath	Ed Frenco	2017 GARDNER WAY REDONDO BEACH CA 90277-3585
17594	SOHO		Cliff - Home	6 FLEET ST MARIETTA DEL REY CA 90292-5732
17587	SOHO		Cliff - Home	6 FLEET ST MARIETTA DEL REY CA 90292-5732
10245	SDSL 1000	ClearPath	Wes Nakama	12688 HEBBASKA AVE LOS ANGELES CA 90035-3849
14340	SDSL 328	Clearpath	Gordon Bendish	32 GLORIETTA E SUNNY CA 90233-1849
10480	SDSL 760	CLEARPATH_NETWORKS	Patricia Lin	213 E FLORAL HOUSTON TX 77025-4612
10253	SDSL 304	ClearPath	Ed Peredo	4250 W2A MARINA MARIETTA DEL REY CA 90292-5216
10242	SDSL 1000	ClearPath	Sub Stats	4252 W2A MARINA MARIETTA DEL REY CA 90292-5216
14365	SOHO	CLEARPATH_NETWORKS	Diago Telal	3125 South Thru AVE HOUSTON TX 77025-4612

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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.