IPV6 DEVELOPMENT & TESTING SERVICES

9+ years of experience in providing IPv6 software development and testing services for leading clients such as Alcatel-Lucent, Avaya, Genband, and Nortel.

- 100+ IPv6 engineers

- Experienced in large and complex projects

- Well-established quality process

- Adopted international quality standards and methodologies: CMMI-Level 5, TL 9000, ISO 27001:2005

IPv6 Development Services

GUI

- GUI design for IPv4 and IPv6
- Web UI enhancement
- Display and filter IPv6 data on GUI

Application Porting

- Porting applications to IPv6 environment
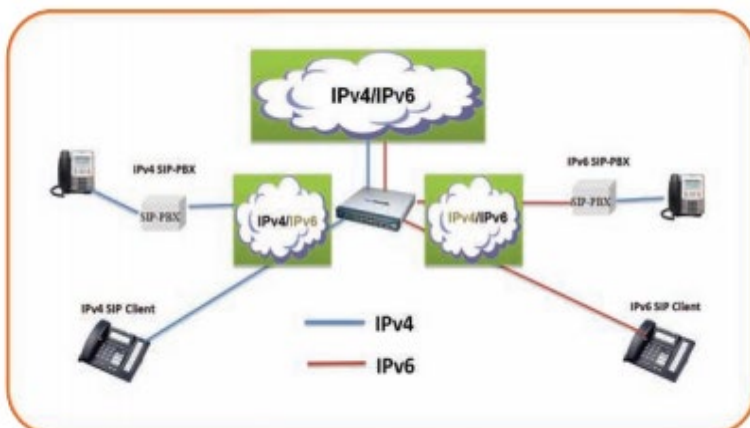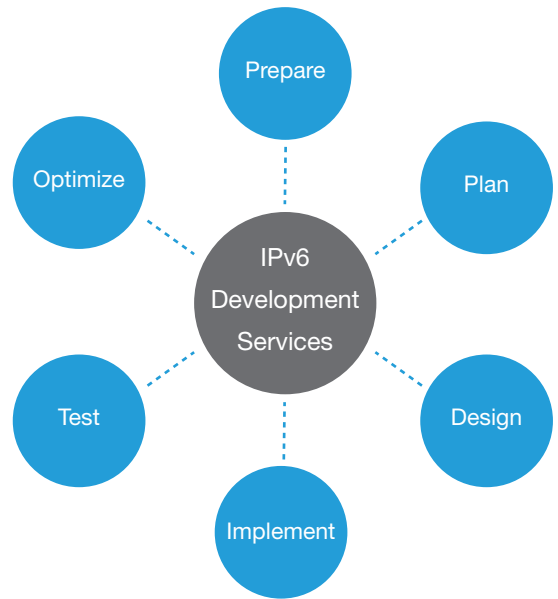- Customization

Configuration/Change Magement

- **IPv6 configuration/registry reading**
- **IPv6 with dual-stack support**
- **Windows 2008, Windows 2008 R2**
- **Resolve DNS for IPv6 host**
- **IPv6 address representation**

Network Monitoring

- Discovery/collection of IPv6 addresses
- Reporting

Database

- IPv6 and IPv4 database installation
- Database customization for IPv6 address
- Change in length of IPv6 address field

IPv6 Development Services — Prepare, Plan, Design, Implement, Test, Optimize

IPv6 Testing Services

Test Strategy	• Testing approaches • Objectives • Resources
Test Solution, Planning, and Design	• Test lab building • Test plan and test suite definition • Test case generation • Test script development
Test Execution and Reporting	• Sanity test & first level verification • Feature test • Integration test • System test • Performance test • Regression test • Compatibility test • Acceptance test • Installation & upgrade test • Bug/defect support • Optimization and reporting
Full Product Verification Support	• Manage all aspects of product testing

IPv6 Support Testing Tools

Test Case & Bug/Defect Tracking

- TCAT, Quality Center, Clarify, Remedy
- Team Track, ClearQuest, Bugzilla
- JIRA, Redmine, Problem Reporting System (PRS)

GUI Test

- QTP, WinRunner, Silk Test, QA Run, Robot Test

CLI Test

- TCL/Tk/Expect, Perl, Awk, Java, Unix shell, Fanfare

Simulation Devices/Tests

- Mimic, Jitsi softphone, PBX

Performance and Traffic Test Tools

- IXIA, SmartBits, Ameritec, Hurricane, NES

Sample IPv6 Projects	
	• Network Performance System
	• Access Management System
	• Enterprise Communication System
	• Carrier VoIP and Applications
	• Blade Networks
	• Firewall & Web Switching