

# 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

DEVELOPMENT | TESTING | PORTING & MIGRATION |

MANAGED SERVICES | PRODUCTION SUPPORT | VISUAL DESIGN

**1,700+ ENGINEERS | CLIENTS FROM 25+ COUNTRIES | CMMI-LEVEL 5 | ISO 27001**

# 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

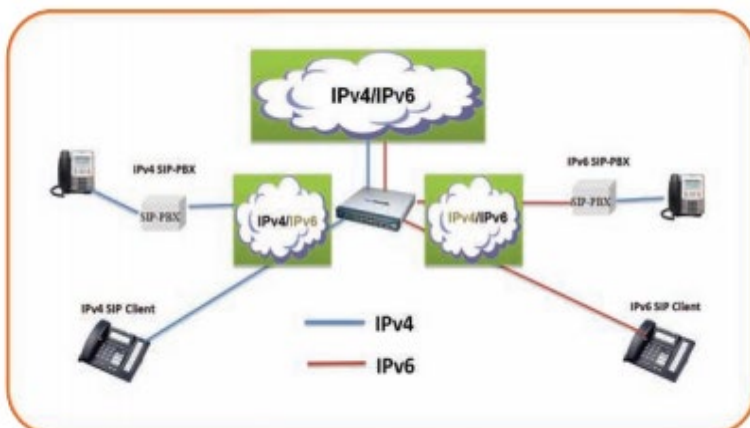
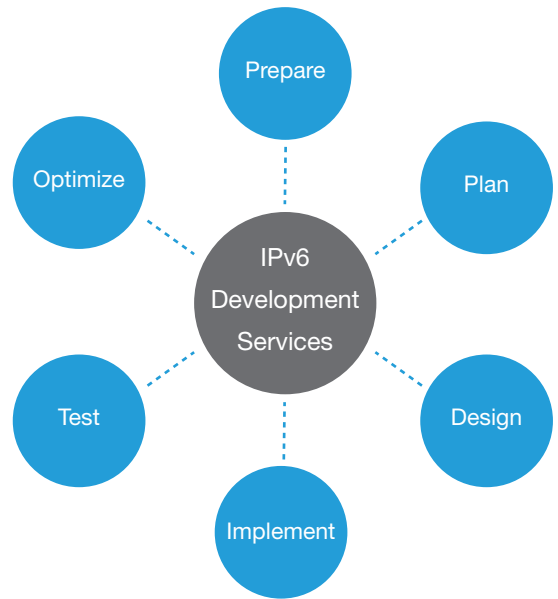
- IPv6 configuration/registry reading
- IPv6 with dual-stack support
- Windows 2008, Windows 2008 R2
- Resolve DNS for IPv6 host
- IPv6 address representation

## 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 Testing Services

<b>Test Strategy</b>	<ul style="list-style-type: none"><li>• Testing approaches</li><li>• Objectives</li><li>• Resources</li></ul>
<b>Test Solution, Planning, and Design</b>	<ul style="list-style-type: none"><li>• Test lab building</li><li>• Test plan and test suite definition</li><li>• Test case generation</li><li>• Test script development</li></ul>
<b>Test Execution and Reporting</b>	<ul style="list-style-type: none"><li>• Sanity test &amp; first level verification</li><li>• Feature test</li><li>• Integration test</li><li>• System test</li><li>• Performance test</li><li>• Regression test</li><li>• Compatibility test</li><li>• Acceptance test</li><li>• Installation &amp; upgrade test</li><li>• Bug/defect support</li><li>• Optimization and reporting</li></ul>
<b>Full Product Verification Support</b>	<ul style="list-style-type: none"><li>• Manage all aspects of product testing</li></ul>

# 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