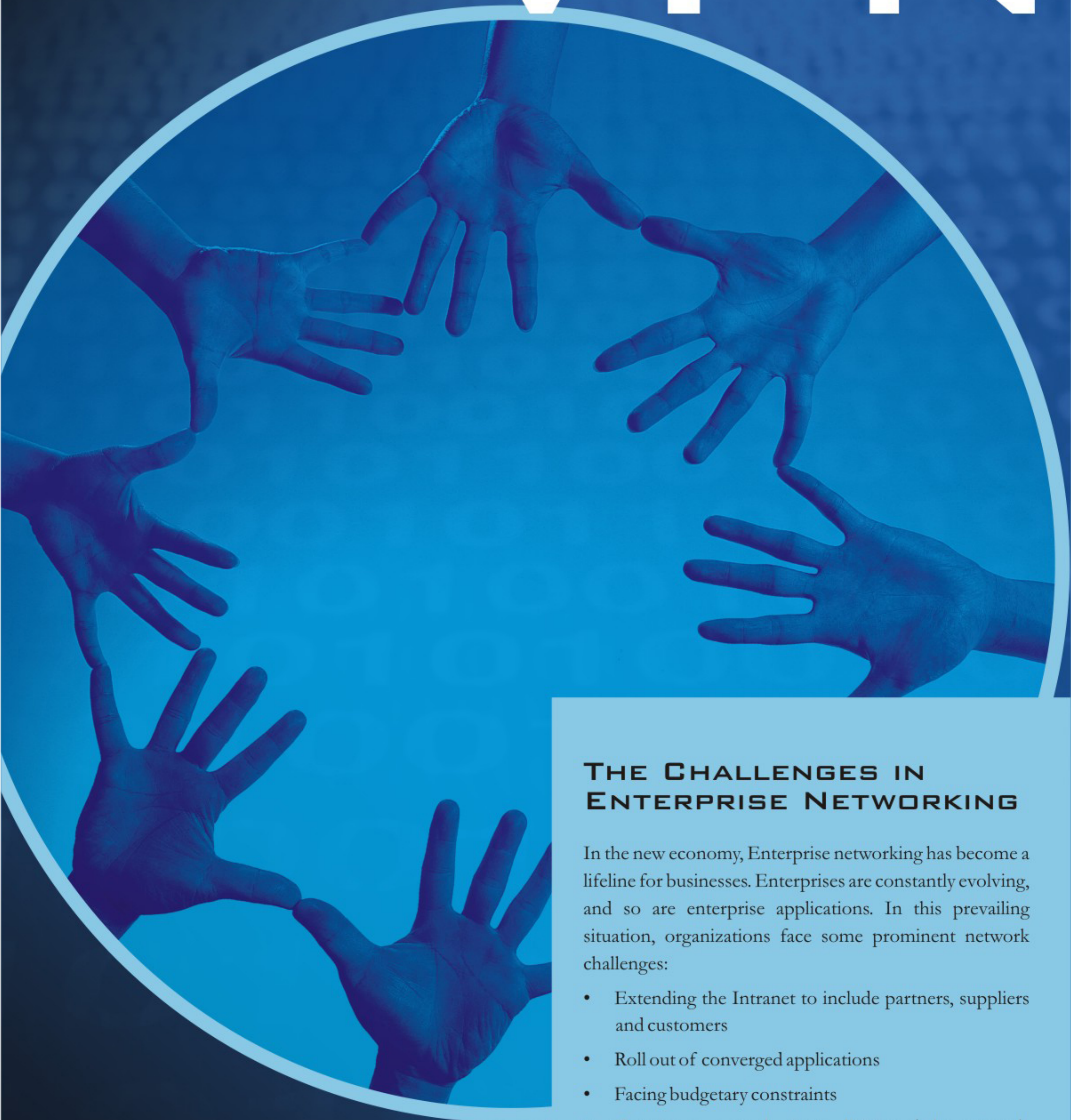


# VPN



## THE CHALLENGES IN ENTERPRISE NETWORKING

In the new economy, Enterprise networking has become a lifeline for businesses. Enterprises are constantly evolving, and so are enterprise applications. In this prevailing situation, organizations face some prominent network challenges:

- Extending the Intranet to include partners, suppliers and customers
- Roll out of converged applications
- Facing budgetary constraints
- Catering to every business division / department's network requirements
- Managing the ever expanding network and more than anything else...aligning IT with business objectives.

**HCL**

## HCL'S COMPLETE SOLUTION-BASED APPROACH

HCL Infinet offers a value proposition for managed connectivity requirements. HCL Infinet's VPN offers manageability, expandability, scalability, and flexibility for networked business enterprises.

**PURE PLAY CARRIER**

**PURE PLAY INTEGRATOR**

**PURE PLAY HARDWARE**

### TECHNOLOGY OFFERINGS

HCL Infinet prides to be the only service provider in the country to offer all 4 prevailing VPN technologies:

MPLS IP VPN Frame Relay VPN ATM

### TECHNOLOGY DESCRIPTION

- ATM is used in the core backbone as a "fast-switching" technology to route packets from one edge location to the other
- MPLS & Frame Relay offer the benefits of:
  - a. Flexible bandwidth
  - b. Multiple CoS and QoS options
- IP VPN is a highly cost effective mode of connectivity

### INFRASTRUCTURE DETAILS & HIGHLIGHTS

- Carrier Agnostic; Bandwidth Capacity leased from multiple carriers to make a multi-homing network
- We incorporate both Route and Carrier level redundancy has been incorporated to deliver the committed service availability uptimes
- Network Backbone has been built using best of the class infrastructure like:
  - a. Nortel Passport Carrier grade AT/FR switches
  - b. Cisco 12000 series GSR routers
  - c. Juniper routers
- Last Mile Agnostic; Multiple Last Mile connectivity options:
  - a. Wireline or Wireless copper or fiber
  - b. Wireless point to point or point to multipoint
  - c. ISDN/ PSTN dial-ups
  - d. VSAT

**HCL**