

# VPN Planning Design

## Objective

Explain the use of VPNs in securing site-to-site connectivity in a small- to medium-sized business network.

## Scenario

Your small- to medium-sized business has received quite a few new contracts lately. This has increased the need for teleworkers and workload outsourcing. The new contract vendors and clients will also need access to your network as the projects progress.

As network administrator for the business, you recognize that VPNs must be incorporated as a part of your network strategy to support secure access by the teleworkers, employees, and vendors or clients.

To prepare for implementation of VPNs on the network, you devise a planning checklist to bring to the next department meeting for discussion.

## Resources

- World Wide Web access
- Packet Tracer software
- Word processing software

**Step 1:** Visit the [VPN Discovery Tool](#), or any other Internet site with VPN-implementation, or planning checklist examples.

**Step 2:** Use Packet Tracer to draw the current topology for your network; no device configurations are necessary. Include:

- Two branch offices: the Internet cloud and one headquarters location
- Current network devices: servers, switches, routers/core routers, broadband ISR devices, and local user workstations

**Step 3:** On the Packet Tracer topology, indicate:

- a. Where you would implement VPNs?
- b. What types of VPNs would be needed?
  - 1) Site to site
  - 2) Remote access

**Step 4:** Using a word processing software program, create a small VPN planning checklist based on your research from Step 1.

**Step 5:** Share your work with the class, another group, or your instructor.