Implementing DNS

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Diagram Exercise 4

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The domain controller in the London head office acts as a DNS server with a database and active directory. The branch offices will have each DNS cache, which is a temporary database to have the records of recent visits to other websites and the Internet. The admin added the DNS server to Toronto to have additional improvement.

Unlike the North America branch offices, the Sydney office is having difficulty to connect to the websites and servers because the DNS server in London has too much traffic. The DNS server in Sydney acts as a domain controller as well, so that it has the active directory database server. The IP address of the Sydney DNS server is 172.16.19.20, and the Domain controller and DNS server are 172.16.0.10. When traveling to the Sydney office, the clients should change their DNS server to the specific IP address, which is 172.16.19.20.