

Networks Lab. 14

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Question 1. What is 'Hello Interval'?

OSPF uses hello packets and two timers to check if a neighbor is still alive or not, and Hello interval defines how often we send the hello packet.

Question 2. What is 'Router Dead Interval'?

Dead interval defines how long we should wait for hello packets before we declare the neighbor dead.

Question 3. What is 'Link-State Request'?

The Link State Request (LSR) packet is an OSPF packet Type 3. After DBD packets exchange process, the router may find it does not have an up-to-date database. The LSR packet is used to request pieces of neighbor database that is more up-to-date.

Question 4. What is DR and BDR?

DR is the IP address of the Designated Router which is set to 0.0.0.0 if no DR is elected yet. (4-bytes)

BDR is the IP address of the Backup Designated Router which is set to 0.0.0.0 if no BDR is elected yet. (4-bytes)

Question 5. What is 'passive interface'?

An interface is configured as a passive interface, if it does not participate in OSPF and does not establish adjacencies or send routing updates. However, the interface is announced as part of the routing network.