





Scanned by CamScanner

configured nowten, intro

Explain what type of routes are O*E2, O IA and O? Also mention which LSAs are used to find them.

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O JA 192.168.1.0/24 [110/1295] via 192.168.10.2, 00:01:48, Serial0/0/0
                                                                                                                                                                                                                                                                                                                                                                                                            0*E2 0.0.0.0/0 [110/1] via 192.168.10.2, 00:00:19, serial0/0/0 10.0.0.0/8 is variably submetted, 5 submats, 2 masks
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gateway of last resort is 192,168,10.2 to patwork 0.0.0.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          codes: L - local, C-commected, S-static, R-RIP, M-Mobile, B-BGP
                                                                                                                                                    IA 192.168.2.0/24 [110/1295] via 192.168.10.2, 00:01:48, serial0/0/0
                                                                                                                      192.168.10.0/24 is variably submetted, 3 submets, 2 masks
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               E1 - OSPF external type 1, E2 - OSPF external type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NI - OSPF MSSA external type 1, N2 - OSPF MSSA external type 2
                                         192.168.10.1/32 is directly connected, Serial0/0/0
                                                                              192.168.10.0/30 is directly connected, Serial0/0/0
                                                                                                                                                                                                                                     10.2.1.0/24 [110/648] via 192.168.10.2, 00:04:34, Serial0/0/0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                o - ODR, P-periodio downloaded static route, N-NGOP, 1-LIBP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              D - SIGRP, EX - MIGRP external, O - DUST, IA - GURF inter area
                                                                                                                                                                                                                                                                      10.1.2.1/32 is directly connected, Signbitsthernet0/1
                                                                                                                                                                                                                                                                                                       10.1.2.0/24 is directly connected,
                                                                                                                                                                                                                                                                                                                                        10.3.1.1/32 is directly connected, Gigabitsthernet6/6
                                                                                                                                                                                                                                                                                                                                                                             10.1.1.0/24 is directly connected, Gigabitsthernet0/0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                + - replicated route, % - next hop override
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 is - IN-IS inter area, -- candidate default, n-per-user atatic route
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                i - 15-15, 80-15-15 ausmary, 11-15-15 level-1, 12-15-15 level-2
192.168.10.4/30 [110/1294] via 192.168.10.2, 00:01:55,5erial0/0/0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Router and Network Routing Table Entries
                                                                                                                                                                                                                                                                                                                        GigabitEthernet0/1
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Router and Network Routing Table Entries

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0*52 0.0.0.0/0 [110/1] via 192.168.10.2, 00:00:19, serial0/0/0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gateway of last resort is 192.168.10.2 to betwork 0.0.0.0
                                                                                                                                                                                             IA 192.168.2.0/24 [110/1295] via 192.168.10.2, 00:01:48, Serial0/0/0
                                                                                                                                                                                                                                                   IA 192.168.1.0/24 [110/1295] via 192.168.10.2, 00:01:48, Serial0/0/0
                                                                                                                                                        192.168.10.0/24 is variably subnetted, 3 subnets, 2 masks
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10.0.0.0/8 is variably subnetted, 5 subnets, 2 masks
                                                                                                  192.168.10.0/30 is directly connected, Serial0/0/0
192.168.10.4/30 [110/1294] via 192.168.10.2, 00:01:55, Serial0/0/0
                                                  192.168.10.1/32 is directly connected, Serial0/0/0
                                                                                                                                                                                                                                                                                                      10.2.1.0/24 [110/648] via 192.168.10.2, 00:04:34, Serial0/0/0
                                                                                                                                                                                                                                                                                                                                                      10.1.2.1/32 is directly connected, GigabitEthernetC/1
                                                                                                                                                                                                                                                                                                                                                                                                         10.1.2.0/24 is directly connected,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10.1.1.0/24 is directly connected,
                                                                                                                                                                                                                                                                                                                                                                                                                                                         10.1.1.1/32 is directly connected,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  E1 - OSFF external type 1, E2 - OSFF external type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NI - OSPF NSSA external type 1, N2 - OSPF NSSA external type 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ia - IS-IS inter area, *-candidate default, U-per-user static route
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       i - IS-IS, su-IS-IS summary, Li-IS-IS level-i, L2-IS-IS level-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  D - EIGRP, EX - DIGRP external, G - OSEF, IA - OSEP inter area
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            - ODR, P-periodic downloaded static route, N-NKRP, 1-IISP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               - replicated route, % - next hop override
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                local, C-connected, S-static, R-RIP, M-mobile, B-BGP
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                                                                                                                                                                                                                                                                                                                                                                                                      GigabitEthernet0/1
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