IGP - Default Route Summary

Default route RIP - static route 0.0.0.0 to null 0, and the ?network 0.0.0.0? command under the RIP process, - static route 0.0.0.0 to null 0, and the ?redistribute static? command under the RIP process, - ?default-information originate? command (advertises a default route even if a default route does not exist in the routing table / does not genarate null route, route feedback may occur), and - ?ip default-network ...? command. **EIGRP** - static route 0.0.0.0 to null 0, and the ?network 0.0.0.0? command under the EIGRP process, - static route to 0.0.0.0, and the ?redistribute static? command under the EIGRP process, - ?ip summary-address 0.0.0.0 0.0.0.0 ...? command, and - ?ip default-network ...? command. **OSPF** - default-information originate always [route-map XXX command (generates E2 route), and - using stub/nssa area. **Summary route: RIP** - ip summary-address rip <NETWORK> <MASK> (does not genarate null route, route feedback may occur). **EIGRP** - ip summary-address eigrp <AS> <NETWORK> <MASK> [AD. **OSPF** - area <AREA-ID> range <NETWORK> <MASK> [cost cost (In ABR), and - summary-address <NETWORK> <MASK> [tag tag (In ASBR). **Route filtering: RIP** - distribute-list, - offset-list, - distance, - tag, and - redistribution metric (close to 16). **EIGRP** - distribute-list (route-map can be used to match tag or metric and also higher metric can be set by route-map), - offset-list, - distance, - maximum-hops, - tag, - redistribution metric (bandwidth, delay), and - eigrp stub receive-only/eigrp stub connected leak-map ... **OSPF**   Local filtering: - distribute-list in ... (?distribute-list ? out? command works only on ASBR), - distance ..., - route-map ..." (match interface / match ip address / match ip next-hop / match ip route-source / match metric / match route-type / match tag), and - ip ospf prefix-suppression / prefix-suppression.   LSA filtering: - area ... filter-list prefix ... (ABR), - area ... range ... not-adv (ABR), - summary-address ? not-adv (ASBR), - ip ospf database-filter all out / neighbor ? database-filter all out, and - max-metric router-lsa.   By Zakir A. Khan * IGP - Default Route Summary .Pdf | Download