

ROUTE REDISTRIBUTION – A CASE STUDY

BY

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Abstract. A lab platform which is used to experiment route redistribution is studied. The particularity of this case study platform is that, besides existent dedicated network equipment, a number of general computer systems is added. On these systems runs the Zebra / Quagga software package. Zebra [13] and Quagga [12] are two routing software packages which support traditional IPv4 routing protocols but also support IPv6 routing protocols. Quagga is an alternative to GNU Zebra (last version is Zebra-0.94), the latter being developed by Kunihiro Ishiguro. These two software packages provide TCP/IP services and routing protocols, like: RIP version 1 (RIPv1), RIP version 2 (RIPv2), OSPF version 2, OSPF version 3, BGP version 4 and BGP version 4+ [12].

Key words: route redistribution; routing protocol; RIP; OSPF; EIGRP; BGP; Quagga.