

IPL

escola superior de tecnologia e gestão

IPv6@ESTG-IPL-LEIRIA

Mobilidade IPv6 – Estudo das variantes de Handover

Objectivos:

- Estudar o conceito de handover em MIPv6;
- Estudar o conceito de fast handover em MIPv6;
- Escolher o cenário a implementar

Hardware;

Software;

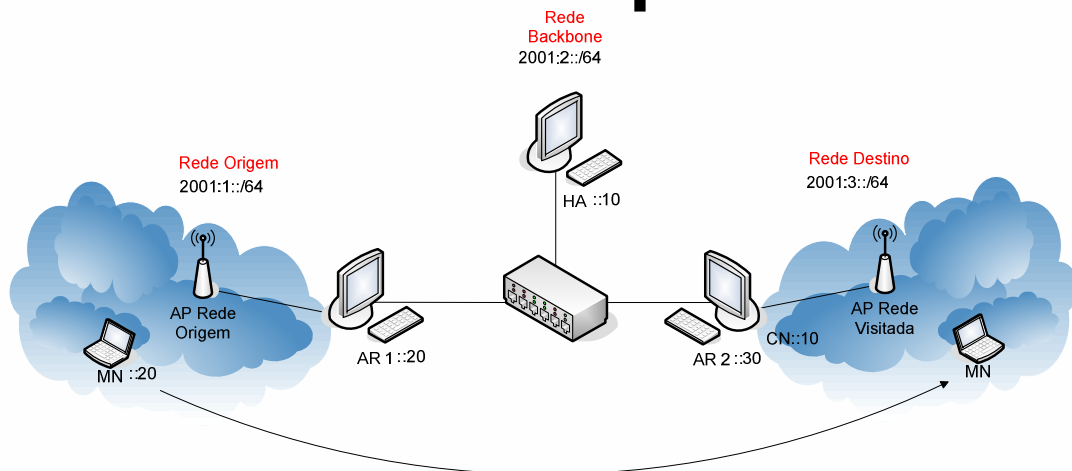
Realizar testes;

Aferir resultados e comparar as variantes de handover;

Elaborar um relatório

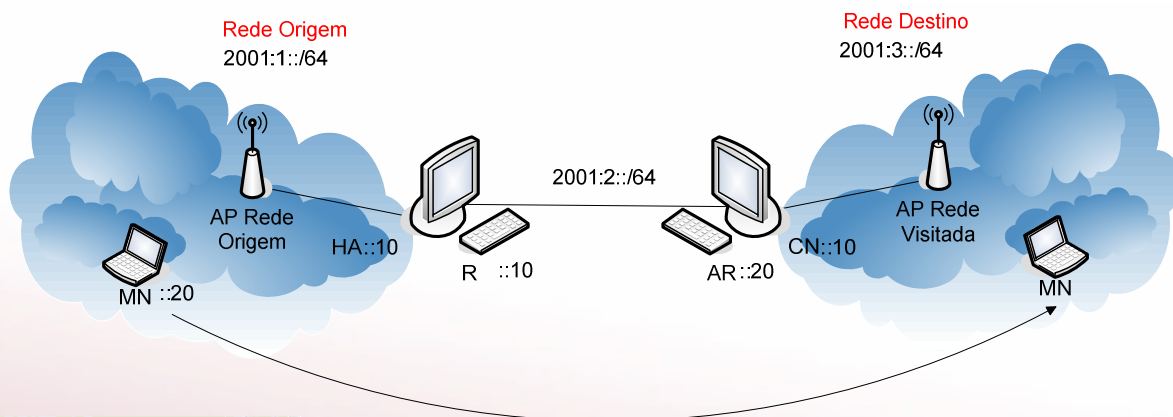
Mobilidade IPv6:

Fast Handover para MIPv6:



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17:37:33.646856 car_disc_send_rtsolpr.576: AP list size(3) - sending contents in an RtsolPr 1
17:37:33.647012 car_disc_send_rtsolpr.609: Sending RtsolPr with iov_ind=5, src=2001:1::211:21ff:fec2:ee
17:37:33.647062 car_disc_send_rtsolpr.610: dst=ff02::2
17:37:34.381812 md_rcv_fa.1883: received RA from fe80:0:0:0:20c:29ff:fed8:8052 on iface 4
17:37:34.382049 md_check_default_router.1748: looking for existing routers on iface eth1 (4)
17:37:34.382101 md_change_default_router.1594: add new router fe80:0:0:0:20c:29ff:fed8:8052 on interface
17:37:34.382149 prefix_list_get.41: looking for 2001:1:0:0:0:0:0:0
17:37:34.382267 md_expire_router.337: expiring router fe80:0:0:0:250:fcff:fe40:ed46 on iface eth1 (4)
17:37:34.382320 prefix_list_get.41: looking for 2001:3:0:0:0:0:0:0
17:37:34.382367 md_expire_coa.314: expiring CoA 2001:1:0:0:211:21ff:fec2:ee on iface eth1 (4)
17:37:34.382415 md_new_link.729: new link on iface eth1 (4)
17:37:34.382458 md_free_router.260: deleting default route via fe80:0:0:0:250:fcff:fe40:ed46
17:37:34.382601 md_free_router.272: deleting prefix route 2001:1:0:0:0:0:0:0/64
17:37:34.382707 md_flush_coa.222: deleting CoA 2001:1:0:0:211:21ff:fec2:ee on iface 4
17:37:34.382760 md_update_router_stats.1421: adding default route via fe80:0:0:0:20c:29ff:fed8:8052
17:37:34.382807 md_update_router_stats.1423: !!!!!!!!!!!UPDATING NEIGHBOUR CACHE!!!!!!
17:37:34.382937 md_update_router_stats.1438: adding prefix 2001:3:0:0:0:0:0:0/64
17:37:34.448892 fmp6_transaction_fail.532: Calling failure handler for transaction 15646
17:37:34.449039 car_disc_rtsolpr_failed.627: Entry
17:37:34.449083 fmp6_transaction_fail.538: Removing transaction 15646@iface(4)...
17:37:34.449128 fmp6_transaction_fail.542: Success (0 transactions left)!
17:37:34.476906 process_addr.662: .
17:37:34.476964 process_new_addr.585: new address 2001:3:0:0:211:21ff:fec2:ee on iface 4
17:37:34.477019 update_coa.541: adding CoA 2001:3:0:0:211:21ff:fec2:ee on iface eth1 (4)
  
```



Comparação:

Teste	Origem → Visitada	Visitada → Origem
MIPv6	4.284	3.264
FMIPv6	0.38	0.001

