

# Routing Metric Configuration Consideration

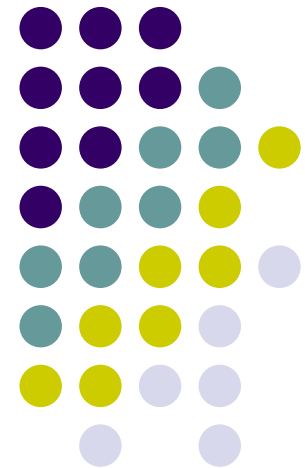
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Zhen Cao, China Mobile

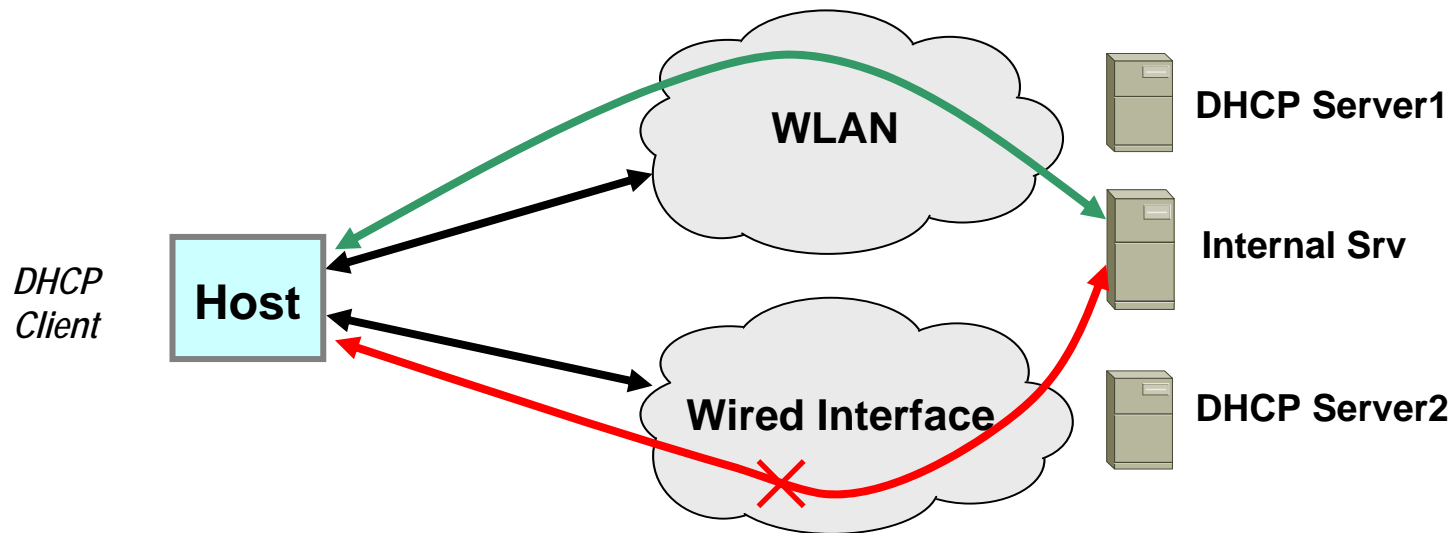
MIF WG@IETF78

July 29, 2010

Maastricht, NL

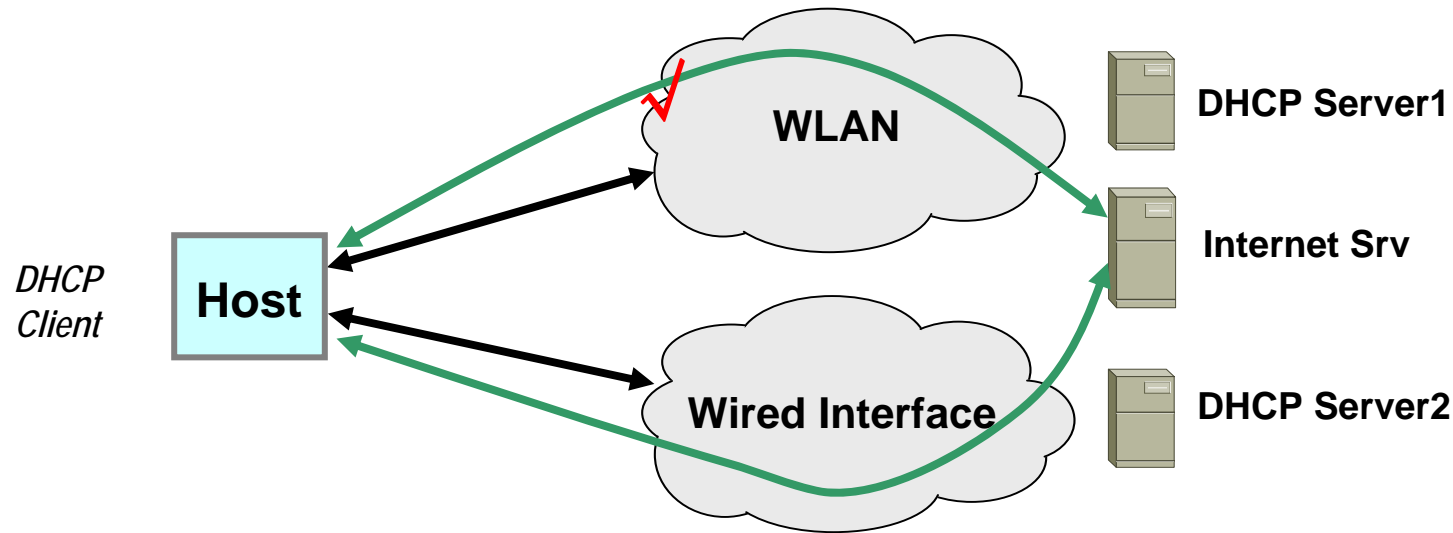


# Scenario #1 for Routing Metric Configuration



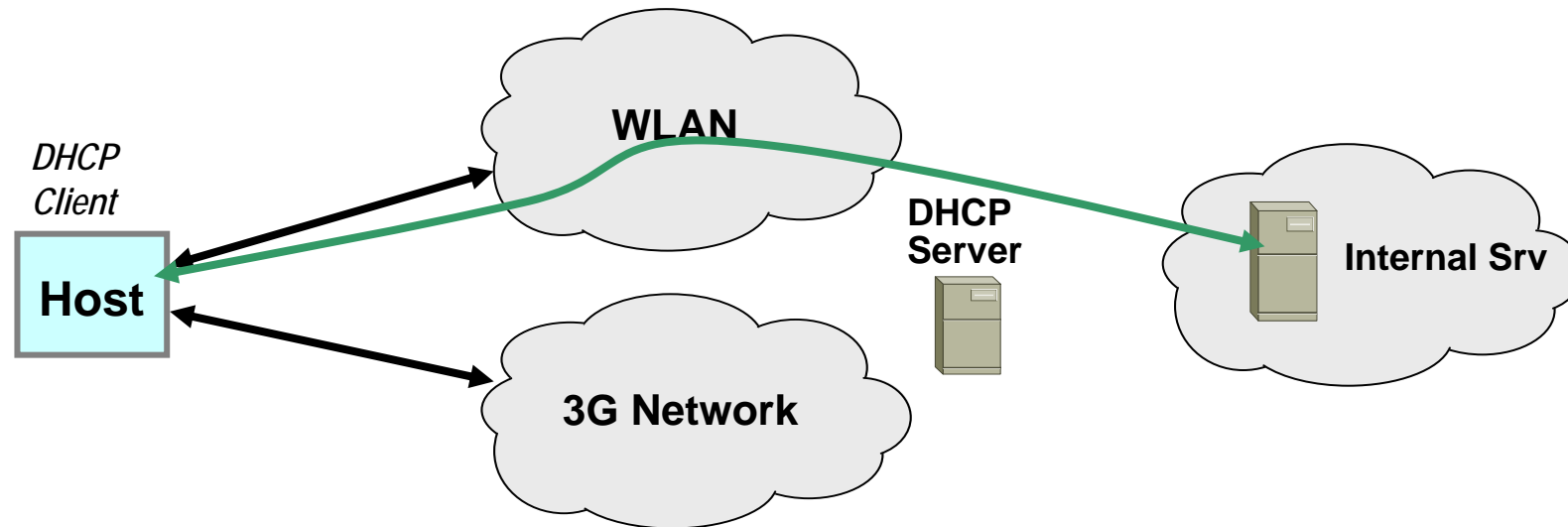
- Normally, metric for the wired interface is lower than that of WLAN, given more preference
- But however some servers are only accessible via the WLAN
- Wlan should configure a static route with a lower metric toward the internal server

# Scenario #2 for Routing Metric Configuration, High speed wlan



- Normally, metric for the wired interface is lower than that of WLAN, given more preference
- But with the advance of 802.11ad (high speed wlan), WLAN is preferred over wired

# Scenario #3 for Routing Metric Configuration, traffic offload



- Operator controlled manner
- Offload traffic from 3G to WLAN conveying the information of the metric on different interface to the host



# The problem

- The metric configuration is very ad-hoc on hosts
  - Maastricht : wlan 20, wired 10 ...
  - China: wlan 25, wired 20 ...
- This could impact the host behavior a lot if they are messed up
- We need some informational document on how things should be going...



# Recharter Consideration ?

- Document the current practice on how routing metrics are configured on the host, and guidance for routing metric configuration on multihomed hosts.
- Schedule
  - Nov 2010: Initial WG draft
  - Nov 2011: Submit the guidance to IESG for publication as an Informational RFC

**Thank you for your attention**

