WLAN Performance Measurement

Vipin M AU – KBC Research Centre

Overview

Why Network performance Measurement

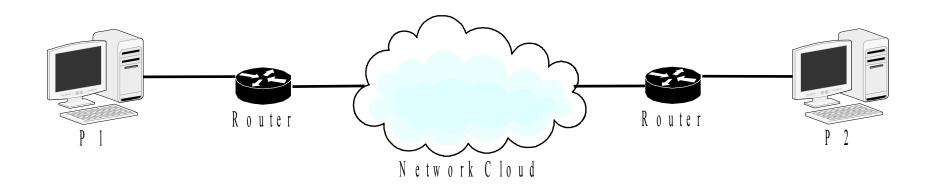
How Network performance is Measured

Iperf

Jperf

Test Setup

Why Network performance Measurement



Network performance metrics

One-Way Delay (OWD)

Round-Trip Time (RTT)

Delay Variation (Jitter)

Packet Loss

Packet Reordering

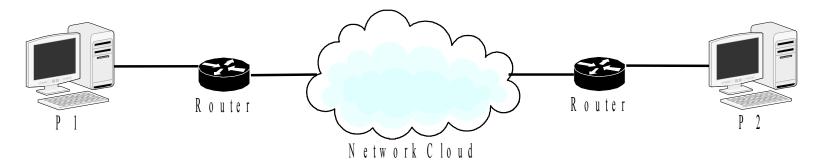
Maximum Transmission Unit (MTU)

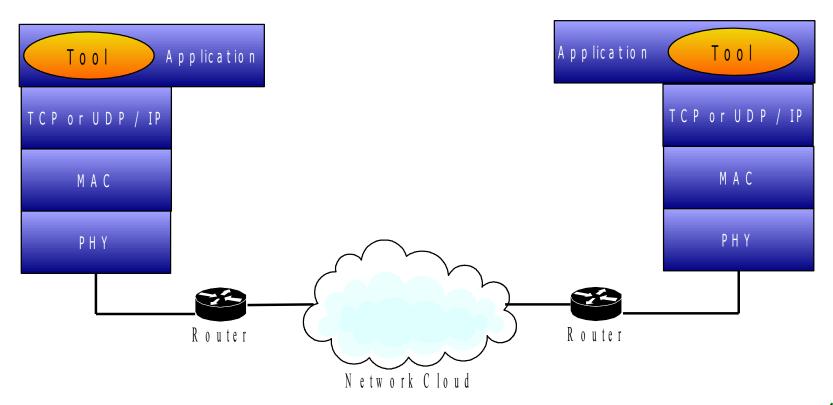
Available Bandwidth (Throughput)

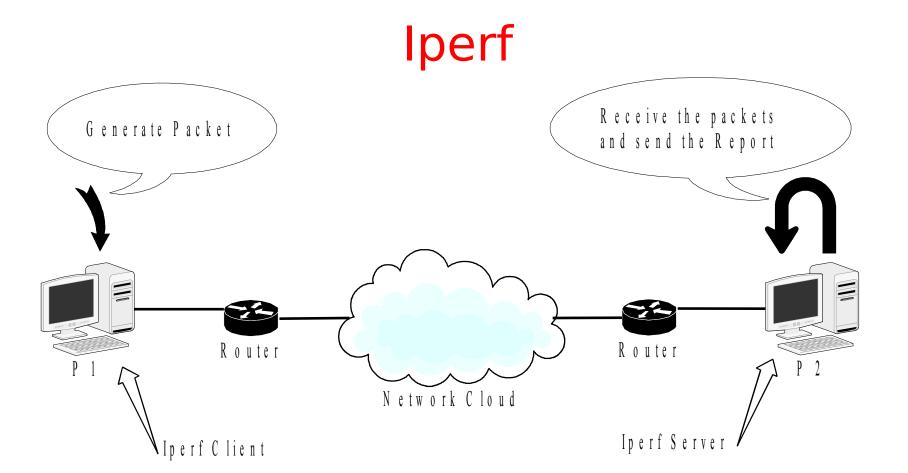
Link Capacity

Bandwidth Delay Product (BDP)

How Network performance is Measured





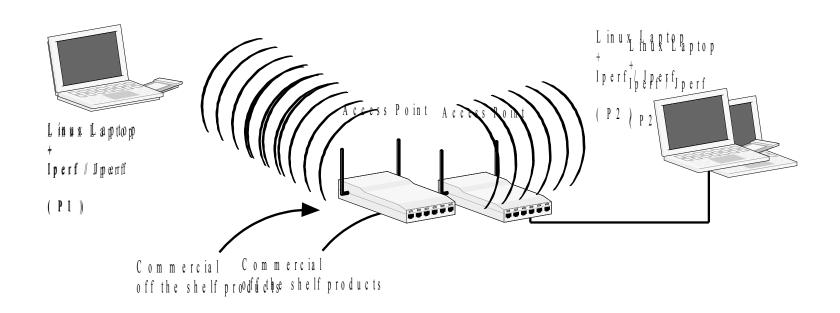


Modes

TCP UDP Components

Server Client

Network Performance Measurement in WLAN



Performance Measurement

P1 in Wireless and P2 in Wired Network Both P1 and P2 in Wireless

Jperf

GUI interface for Iperf Provide all options as a parameter entry Also plot the throughput graph

Test Setup

