MPTCP Implementation Challenges: Use cases and Opportunities

What is this about?

• Document use cases (<u>Draft-01</u>)

Prioritize use cases (WG discussion)

Design recommendations/solutions (new draft?)

Use cases

Reliability

- Fall back to TCP (On MPTCP errors)
- Frequent switching across channels(Most efficient)
- Roaming subscriber

Security

- Impact on existing monitoring and security tools
- Address Correlation
- Potential phishing attacks

Use cases

Short/long lived flows

- Throughput/Performance
- Window size, adaptive buffering
- Custom Optimization Techniques

Path selection

- Congested vs RTT
- Optimal number of paths (Too many vs Too less)
- Application based path selection
- Load balancing vs performance

Use cases

Middle box

- Web Caching
- Different types of Proxy
- NAT & Firewall

THANK YOU