NETWORK THROUGHPUT CALCULATION IN NS3

Presented by

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FLOW MONITOR MODULE NS-3

- Provides a flexible system to measure network performance

- Tracks the packets exchanged by the nodes, measures various parameters

- Packets are divided according to the flow they belong to

COLLECTED DATA (FOR EACH FLOW)

- *timeFirstRxPacket:* when the first packet in the flow was received by an end node

- *timeLastRxPacket:* when the last packet in the flow was received

- *rxBytes:* total number of received bytes for the flow

HOW TO USE THE MODULE

- Library to be imported:

```
#include "ns3/flow-monitor-helper.h"
```

- Before `Simulator::Stop()`, add the following

```
Ptr<FlowMonitor> flowMonitor;
FlowMonitorHelper flowHelper;
flowMonitor = flowHelper.InstallAll();
```

- After `Simulator::Run()`, add the following

```
flowMonitor->SerializeToXmlFile("FileName.xml", false, false);
```

THANK YOU!