

CSE 589 Modern Networking Concepts

Project 3 - Evaluate MAC random transmission protocol using NS-2

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Goal:

To learn and install NS2. To try running MAC protocol samples.

To use NS2 to implement and evaluate a wireless MAC protocol for sensor networks.

To gather information from the trace obtained from NS2.

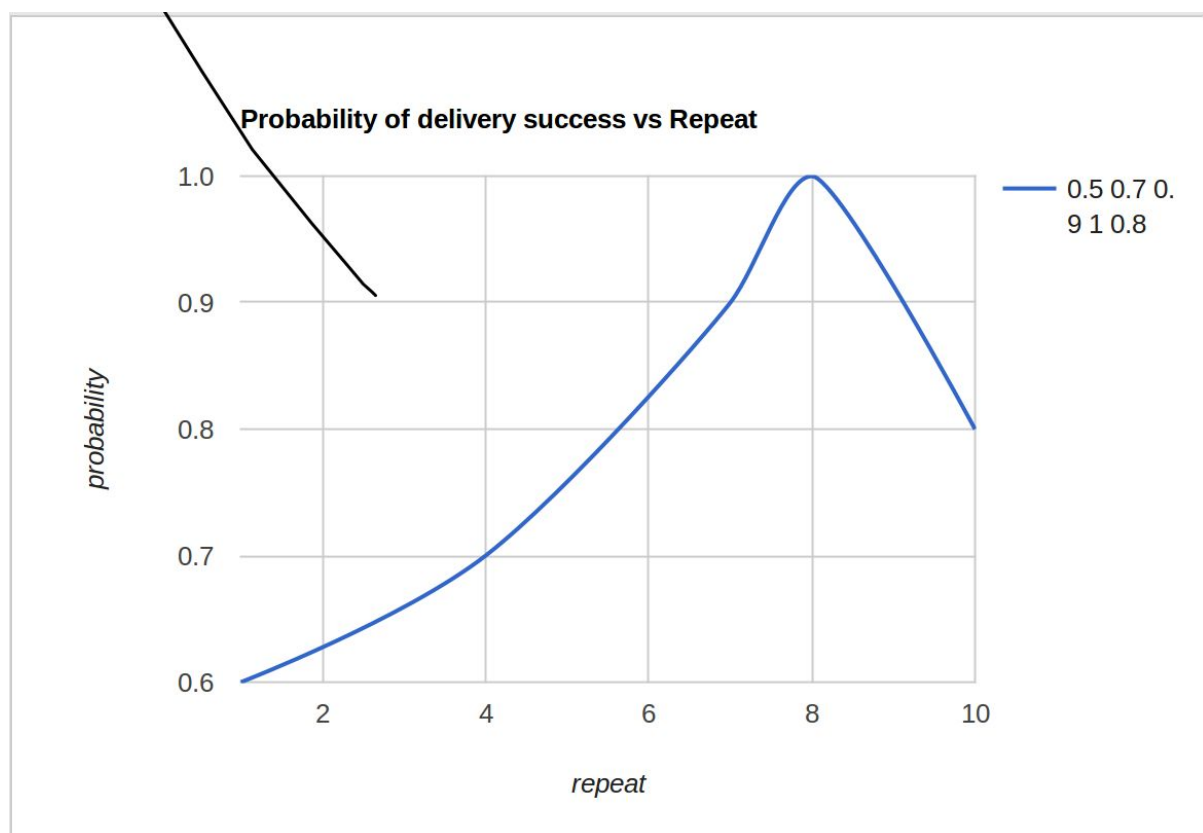
TCL - Tool Command Language. We will be using tcl scripts to program NS2.

NS is an event simulator. It provides substantial support for simulation of TCP, routing, and multicast protocols over wired and wireless (local and satellite) networks.

Experiments & Analysis Results:

We provide the results for -

nodes: 10; duration: 10.5 seconds;  $T = 0.02$



We can see the probability value increases till a point and decreases drastically. This seems more like a Poisson distribution where the value of  $P$  reaches a limit and drops.