Network Scanner

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## Introduction

Many network scanners rely on sending and receiving data on a network to do their calculations. Many of which impede the network by loading it with more data. Especially “speed tests” are prone to this. But what if you could measure network parameters without loading the network?

## Problem

We need a way to measure network throughput without loading additional data to the network.

## Progress

We found a solution in the RX and TX buffers of the network adapters inside our computers. Linux operating systems freely give out this information. Aside from regular RX and TX trans/receive; we can also access many other datatypes, sometimes even processing speed.

To keep track of the throughput, we wrote a simple CPP program which reads these buffers and outputs these to CPP. In the future, we might need to expand on this. Though this is currently unknown.

The software makes use of the traditional make command.