ReBBR: Reproducing BBR Evaluation Results

Luke Hsiao
Stanford University
lwhsiao@stanford.edu

Jervis Muindi
Stanford University
jmuindi@stanford.edu

ABSTRACT

This paper describes an attempt to reproduce one of the key findings from the BBR Paper by Cardwell et al. The primary result we are after is performance of BBR and CUBIC in networks link that have non-negligble packet loss. As reported in the original paper, we find that CUBIC has poor performance for loss rates above 0.1% whereas BBR is able to deal with loss much better.

1 INTRODUCTION

In this report, we attempt to validate the experimental results of "BBR: Congestion-based Congestion Control" [1].

Goals What was the original paper trying to solve?

Motivation Why is the problem important/interesting?

Results What did the original authors find?

2 REPRODUCING BBR EVALUATION

Goal What subset of results did you choose to reproduce?

Motivation Why that particular choice?

3 PROJECT STATUS

Progress so far.

Plan Plan for the next few weeks.

REFERENCES

[1] Neal Cardwell, Yuchung Cheng, C Stephen Gunn, Soheil Hassas Yeganeh, and Van Jacobson. 2016. BBR: Congestion-Based Congestion Control. *Queue* 14, 5 (2016), 50.