

DDoS Mitigation

Max Mustermann <max.mustermann@student.kit.edu>

Erika Musterfrau <erika.musterfrau@student.kit.edu>

Paper: Improving resiliency against DDoS attacks
by SDN and multipath orchestration of VNF services

1 Introduction

This section deals with the work entitled *Improving resiliency against DDoS attacks by SDN and multipath orchestration of VNF services* by O. Alparslan, O. Gunes, Y. S. Hanay, S. Arakawa and M. Murata and was published at the IEEE International Symposium on Local and Metropolitan Area Networks (LANMAN) in 2017.

The paper ... (to be continued)

Note1: Describe the topic of the original paper. Please use your own words! Do NOT copy the abstract of the original paper! This paragraph should not exceed the length of the abstract of the original paper. Please provide the text in English if possible.

Note2: Please do not add any other header/footer information as provided here. Page numbers, date and a general introduction into the course will be added later on. If you need additional packages (e.g., for fancier tables), use the “OWN PACKAGES” section in the beginning of this file.

Note3: Please prepare a bibtex file (.bib) with the references that are used in the report (this should at least contain the original paper). Please use your group number as a prefix for the cite key (e.g., g1_paper1) so that we can easily merge the bibtex files. Please do not include your own reference section (we will have a common section with references for the consolidated document).

1.1 Implementation

Shortly describe the implementation of the original paper. If no information is available, please do not skip this paragraph but explicitly state that no information is provided. Figures from the original paper can be used but have to be explicitly referenced in the figure caption! If possible, create your own figures to get a unified “look” throughout your document.

1.2 Evaluation Results

Shortly describe the implementation of the original paper. If no information is available, please do not skip this paragraph but explicitly state that no information is provided. Plots from

the original paper should be used (make sure to explicitly reference them as figures from the original paper in the figure caption!).

2 Report on Reproducibility

2.1 Implementation

Describe your own implementation. If possible, provide a comparison of the differences (e.g., different controller) in the form of a table.

2.2 Evaluation Results

Describe your own evaluation. If possible, use structured layout where you first describe the goal, then the execution and then the results of the experiment.

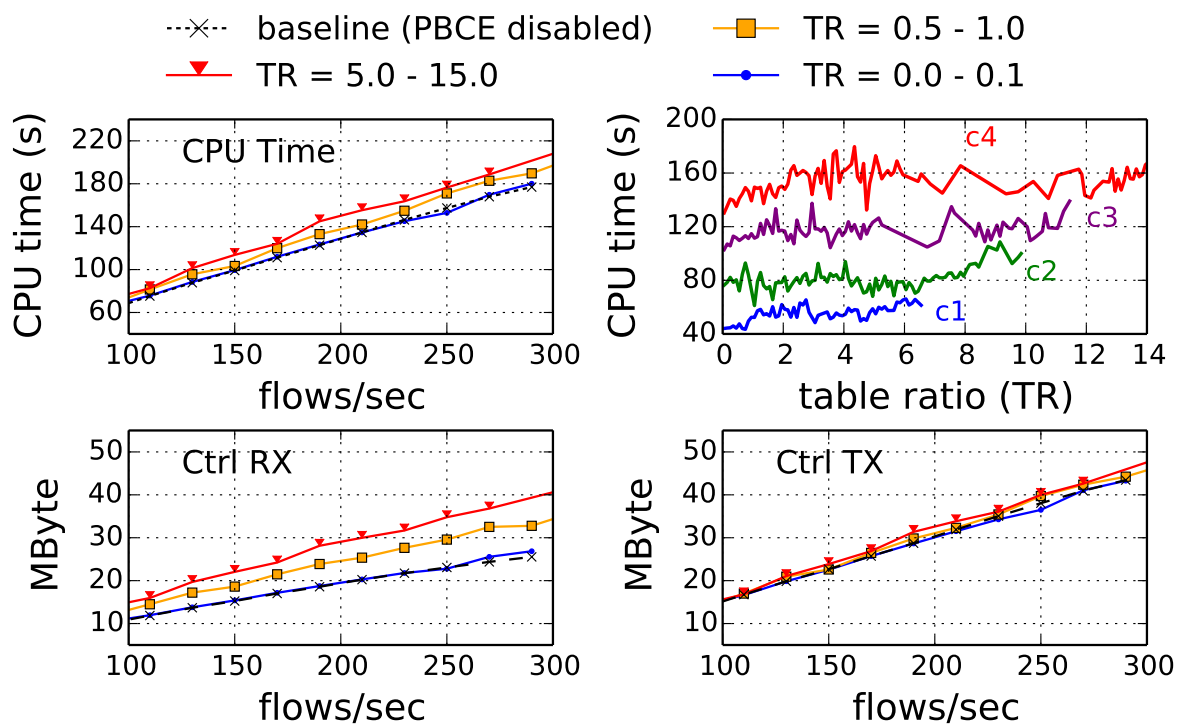


Abbildung 1: Example for a plot

2.3 How to reproduce

Describe how your own evaluation results can be reproduced. This section should contain all the information that are necessary to rerun your experiments, e.g. the scripts that have to be executed (as shown below).

```
.. clone group repository
vagrant up
```

```
vagrant ssh  
./start_our_tests.sh  
./plot_our_results.sh
```

2.4 Conclusion

Provide a short comparison between your results and the original paper. Additional remarks (such as special challenges) should be placed here as well).