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A complete system integration of stream-based IP flow-record querier

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Masters Thesis

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ABSTRACT

Short summary of the contents in English...

*We have seen that computer programming is an art,
because it applies accumulated knowledge to the world,
because it requires skill and ingenuity, and especially
because it produces objects of beauty.*

— Donald E. Knuth [2]

ACKNOWLEDGMENTS

Put your acknowledgments here.

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TRAFFIC MEASUREMENT APPROACHES

LEGAL CONSIDERATION

Part II

STATE OF THE ART

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FLOWY IMPROVEMENTS USING MAP/REDUCE

Part III

IMPLEMENTATION AND EVALUATION

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IMPLEMENTATION

FUTURE WORK

CONCLUSION

Part IV

APPENDIX



APPENDIX

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BIBLIOGRAPHY

- [1] Robert Bringhurst. *The Elements of Typographic Style*. Version 2.5. Hartley & Marks, Publishers, Point Roberts, WA, USA, 2002.
- [2] Donald E. Knuth. Computer Programming as an Art. *Communications of the ACM*, 17(12):667–673, December 1974.

COLOPHON

This thesis was typeset with $\text{\LaTeX 2}_{\epsilon}$ using Hermann Zapf's *Palatino* and *Euler* type faces (Type 1 PostScript fonts *URW Palladio L* and *FPL* were used). The listings are typeset in *Bera Mono*, originally developed by Bitstream, Inc. as "Bitstream Vera". (Type 1 PostScript fonts were made available by Malte Rosenau and Ulrich Dirr.)

The typographic style was inspired by [Bringhurst's](#) genius as presented in *The Elements of Typographic Style* [1]. It is available for \LaTeX via CTAN as "[thesis](#)".

NOTE: The custom size of the textblock was calculated using the directions given by Mr. Bringhurst (pages 26–29 and 175/176). 10 pt Palatino needs 133.21 pt for the string "abcdefghijklmnopqrstuvwxyz". This yields a good line length between 24–26 pc (288–312 pt). Using a "double square textblock" with a 1:2 ratio this results in a textblock of 312:624 pt (which includes the headline in this design). A good alternative would be the "golden section textblock" with a ratio of 1:1.62, here 312:505.44 pt. For comparison, DIV9 of the `typearea` package results in a line length of 389 pt (32.4 pc), which is by far too long. However, this information will only be of interest for hardcore pseudo-typographers like me.

To make your own calculations, use the following commands and look up the corresponding lengths in the book:

```
\settowidth{\abcd}{abcdefghijklmnopqrstuvwxyz}
\the\abcd\ % prints the value of the length
```

Please see the file `thesis.sty` for some precalculated values for Palatino and Minion.

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DECLARATION

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Bremen, Germany, June 2012

Vaibhav Bajpai