

Sharing Software Configuration via Specified Links and Transformation Rules

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Outline

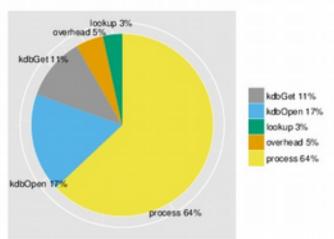
- Motivation
- Demo
- Evaluation
- Conclusion



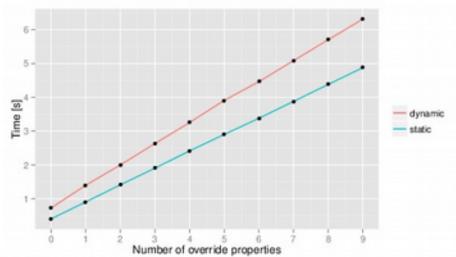


Evaluation

- two implementations
 - dynamic
 - static
- result: dynamic
 - slower by factor 1.8
 - time grows 22% faster







comparision

```
[/myapp/shortcut/quit_myapp]
default=CTRL+Q
type=string
transform=/kate/quit
transform/cpp=
    std::transform(value.begin(), value.end(),
    value.begin(), ::toupper);
    return value
```

Conclusion

- integration of existing configuration files
- links between any configuration items
- specification is only key/value data
 - access by tools
 - enforced on access
 - configurable specification
- contributions
 - access to others application configurations
 - implementations available
 - performance measurements for static/dynamic
 - case study



Thank you for your attention!

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Benchmark Setup

- Laptop: hp ® EliteBook 8570w ™
 - CPU Intel ® Core i7-3740QM @ 2.70GHz
 - 7939 MB Ram
- GNU/Linux Debian Wheezy 7.5
- gcc compiler Debian 4.7.2-5
 - with the options -std=c++11, -O2
- measured the time using gettimeofday
- Median of eleven executions