

Naxsi performance measurement

Performance of a whitelist WAF

Lutz Engels Dennis Pellikaan

University of Amsterdam
System and Network Engineering

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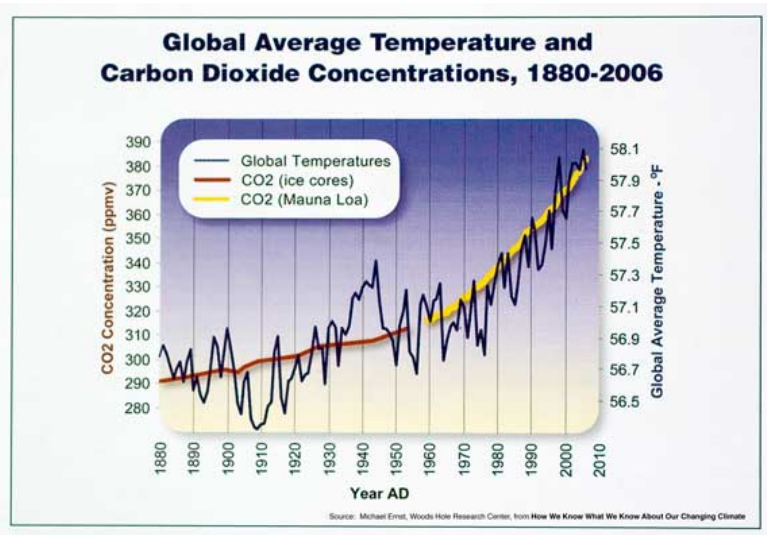


Outline

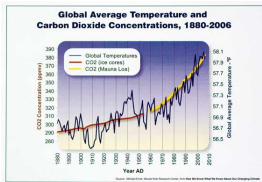
- 1 GreenIT
- 2 Research questions



The need for GreenIT



The need for GreenIT



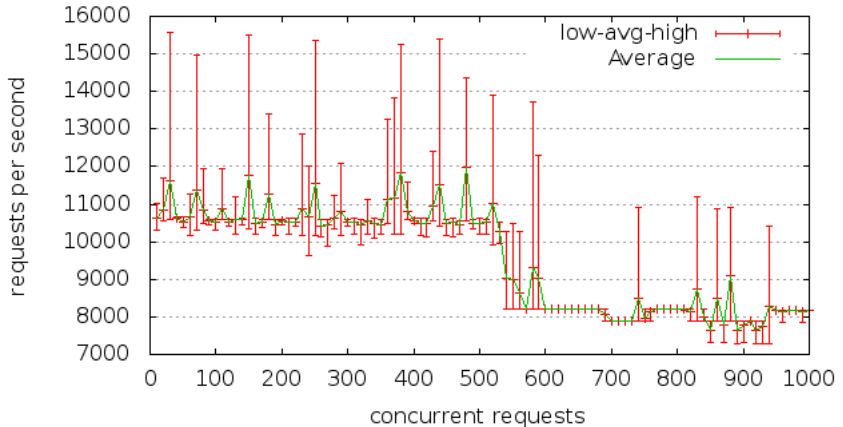
- ICT ~2% of global energy consumption/ CO_2 -emission
- CO_2 -emission: likely to overtake airline industry in near future

Approach

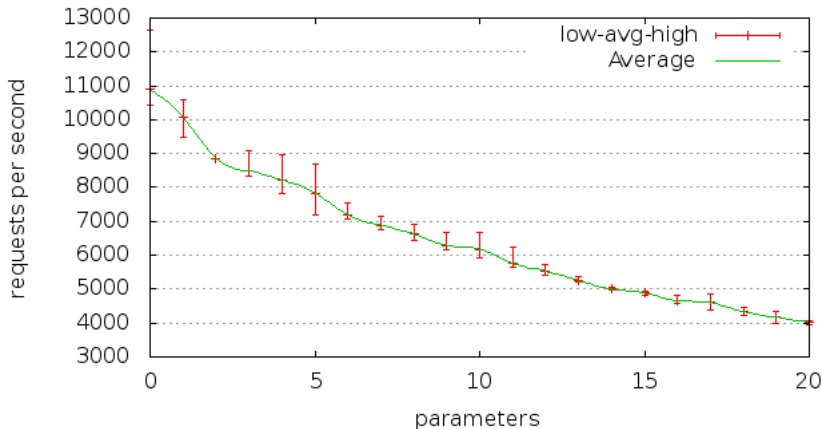
- Naxsi isolation
 - Baseline performance measurement (HTTP 200 OK)
 - URL parameter increments
- Real-life scenario
 - Baseline performance measurement
 - Normal usage case



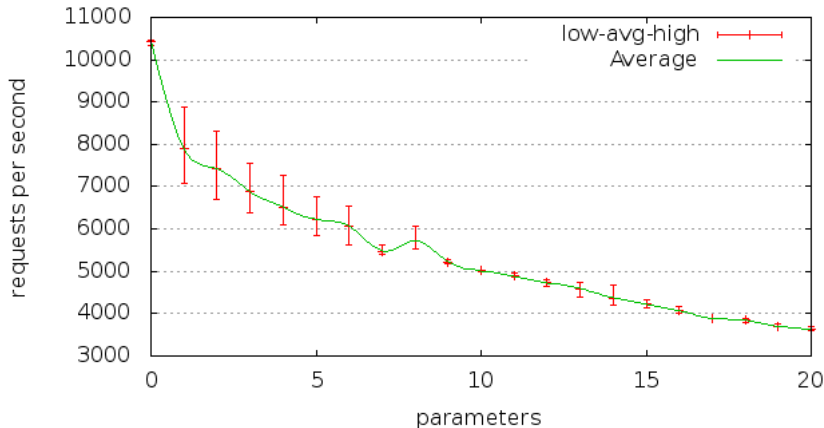
HTTP 200 OK: baseline performance measurement



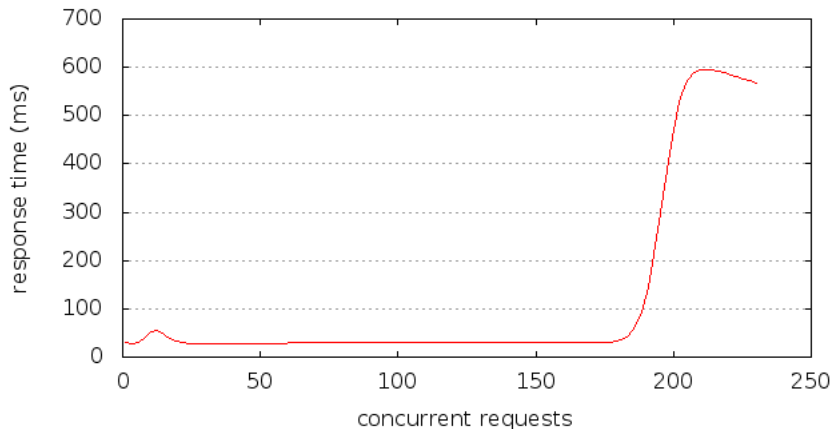
HTTP 200 OK: URL allowed parameter increments



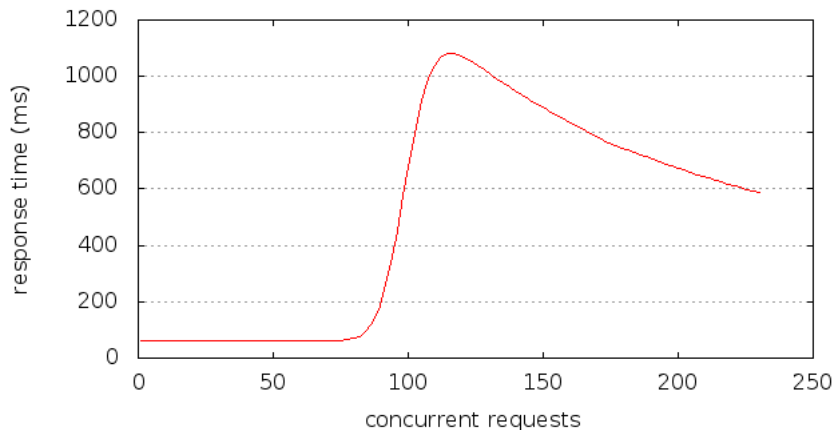
HTTP 200 OK: URL disallowed parameter increments



Wordpress baseline performance measurement



Wordpress with Naxsi



Conclusion

- Naxsi has a low overhead

