Meet Twiggy

a Pythonic Logger
twiggy.wearpants.org

Peter Fein  @petewearspants  Please Pirate
About Me

Freelance Python Developer
Nine Years Experience
I Wear Pants
Logging *Matters*

*only* view into a running program

*only* view of past execution

*data* for measurement and post-mortem
import logging
import logging

familiar API

extensive documentation
import logging

complicated

slow

3rd place in poll
import logging

unhandled exceptions

too much locking

newlines in output
My Eyes,
It’s Full of Java!
Well duh!

based on log4j

just like PEP-282 says
Fifteen Years!*
DEMO
Biography

Python $\geq 2.6$

*Extensive* documentation

100% test coverage

ready to run today
Never Crashes

Stays out of your way

Errors trapped and logged
Performance

Comparable or better for single threads

Lower overhead with multiple threads

No output? As fast as possible
Async Outputs

Move write to a separate process

Logging is basically free

Mixes in to any output
Advanced Logging

**Contexts:** inject fields per thread/process

**Dynamic:** call functions with each message
Future

Stdlib logging shim
Unittest support
Conditional (lazy) logging
Future

Tags instead of levels
Cluster logging
More output backends
Speed!
Twiggy
Your New Logger

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