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Introduction to Gevent

Timeline

- 1999 Stackless Python
- 2004 Greenlet
- 2006 Eventlet
- 2009 Gevent 0.x (libevent)
- 2011 Gevent 1.0dev (libev, c-ares)

Changes in 1.0dev

- Replaced libevent with libev
- Replaced libevent-dns with c-ares
- Event loop is pluggable
- Resolver is pluggable
- Multiple OS threads supported

Fixed annoyances with 0.x

- Python's signal module now works
- Resolver reads /etc/hosts & /etc/resolv.conf
- Fork no longer breaks DNS resolver

Plan

- Coroutines: why use them
 - Blocking vs. non-blocking sockets
- Gevent
 - Implementation
 - API
- 3rd party packages