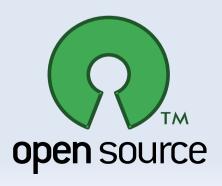
CppCMS



The High Performance Web Framework



In The Beginning...

Year: 2006

New PC:
AMD 64 bit,
1GB memory

Use:
Gaming
Blogging

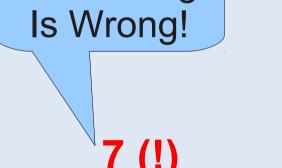






90 frames per second

Something



(!)
pages per second



Framework Idea – 2006

Native Code:

No: Byte Code

No: Just (not) in Time

Yes: Native Code



Recycle:

Objects

Connections

Data

Pages





CppCMS – 2012

700 downloads/month



100,000 lines of code



Active mailing list:



120 members

100 e-mails/month



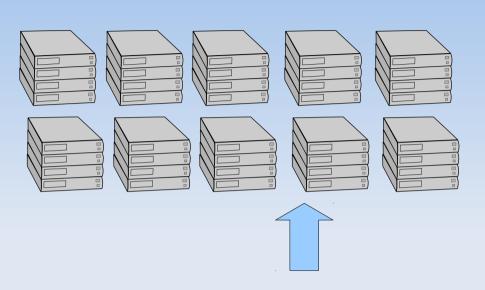


Code contributions to



Major Use Cases

Web Server Farms



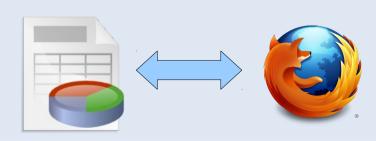


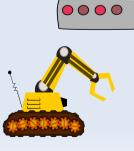
Web Interfaces



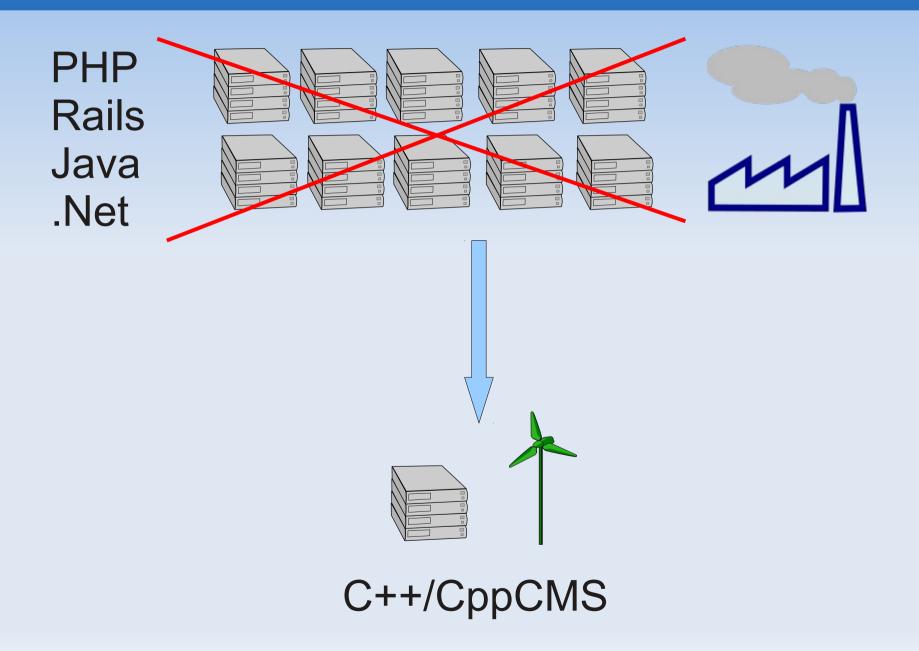


Embedded Systems



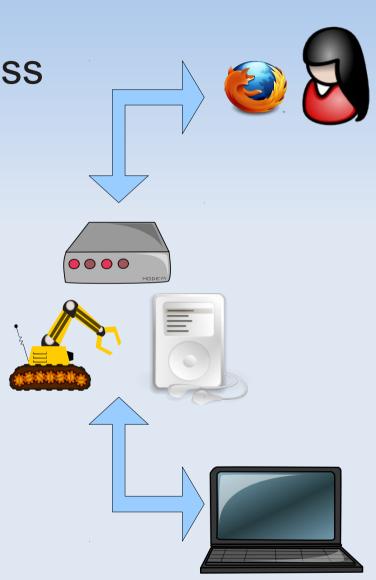


Resource Consuming Systems



Embedded Web Interfaces

- Native code direct HW access
- Tiny all-in one executable
 - CppCMS library: 1.3MB
 - Python: 2.2MB
- Both
 - User Interface
 - RESTFul API
 JSON-RPC API



Real World Examples

Services Designed for My Customers:

- RESTFul API for Geographical Database:
 - Architecture: In Memory Database
 - Performance: ~1,000,000 request/minute on low end hardware
- Advertisement Engine:
 - Architecture: in-memory indexing with intensive caching; SQL as storage engine
 - Performance:
 - ~300,000 ads/minute on low end hardware
 - ~40,000 ads/minute on Amazon's Smallest VPS

Some CppCMS Users

http://page2rss.com

Creates and servers RSS feeds bases on page monitoring

http://dhiti.com

Content discovery engine

http://tatoeba.org

Sentence database for language learners

http://picase.net

Image Sharing Service

Features

Built-in Web Sever

Anti-CSRF

Visual C++

Windows

GCC

LGPL & Commercial

Linux

Comet

FreeBSD

Clang

Solaris

Web Templates

Mac OS X

Localization

SCGI

Nice URLs

Cache

Sessions

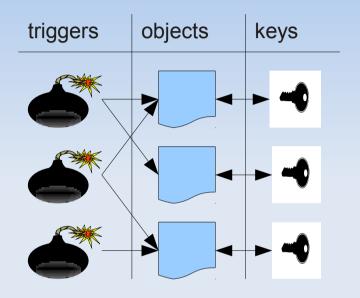
Ajax

FastCGI

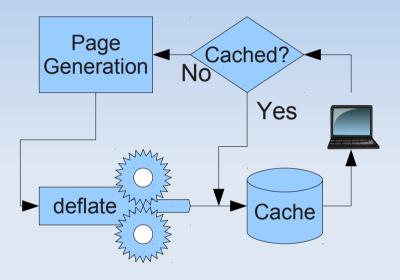
XSS-Filtering

Taking Caching to The Limits

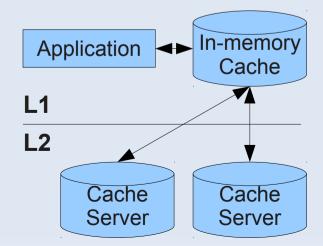
Cache Invalidation



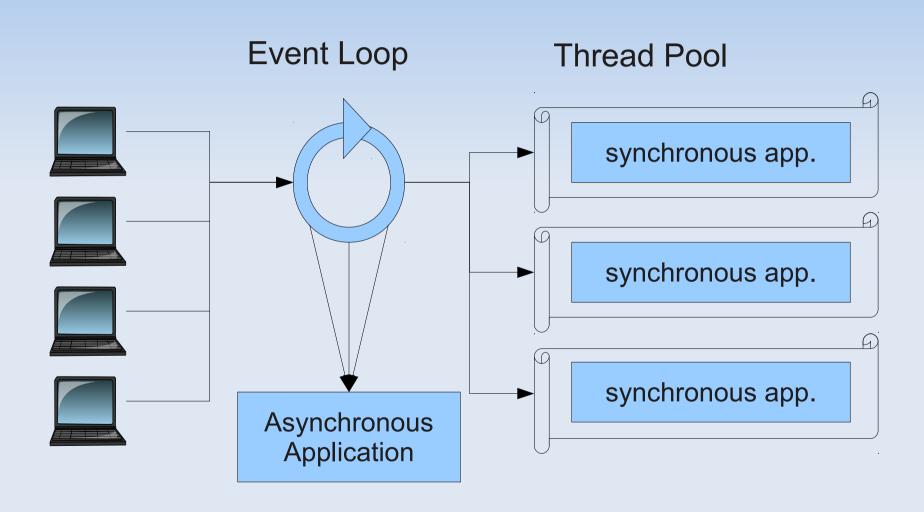
Gzip compression



Two levels cache



Asynchronous I/O



How To Get Help?

- Tutorials, Reference, Examples, Source Code: http://cppcms.com
- Community Support:
 CppCMS Users Mailing List
- Commercial Support:

Contact Me: artyomtnk@yahoo.com

Visit

http://cppcms.com

Questions?

Do you have any questions?

質問はおありですか。

Есть вопросы?

Маєте якісь питання?



יש לכם שאלות?

Avez-vous des questions?