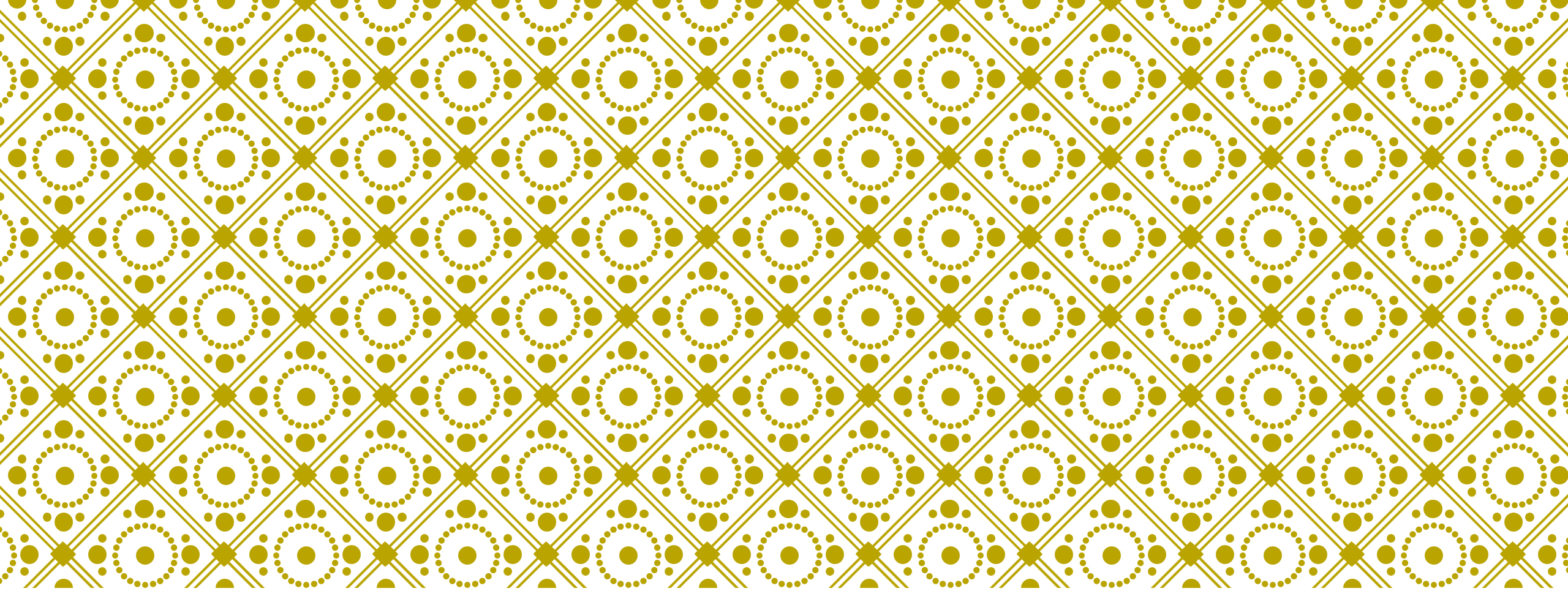


HTTPD

A CIALUG back to the basics
presentation



WELCOME



ANDREW DENNER

@adenner

denner@gmail.com

Slides will be posted at <http://denner.co>



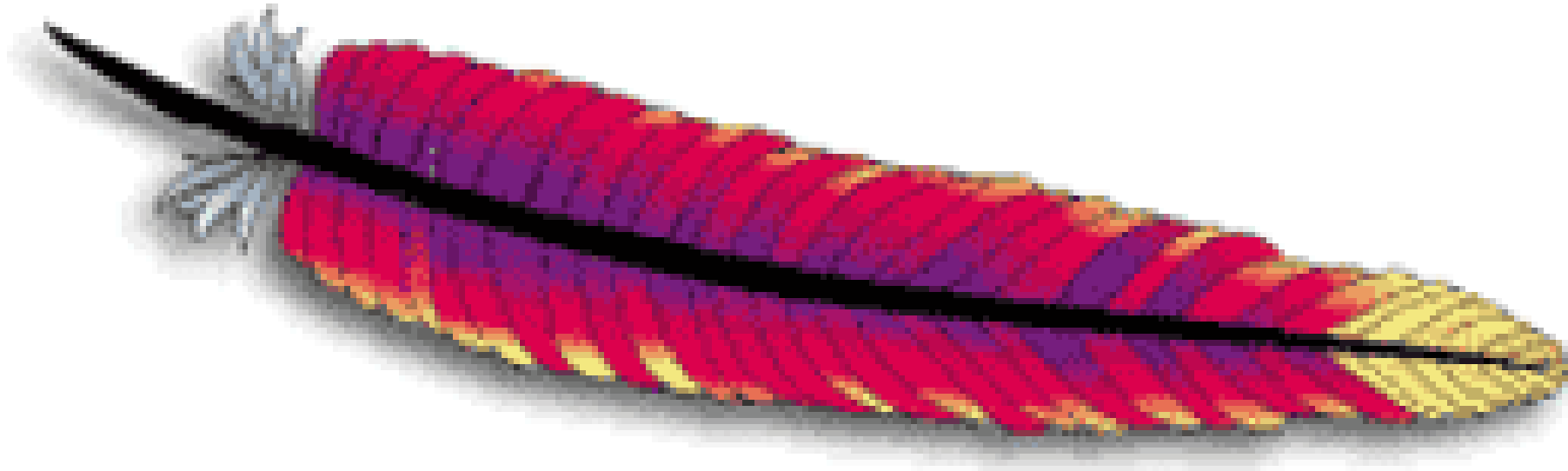
WHAT IS HTTPD/ “APACHE” |



WHAT IS HTTPD/ “APACHE” |

APACHE

HTTP SERVER



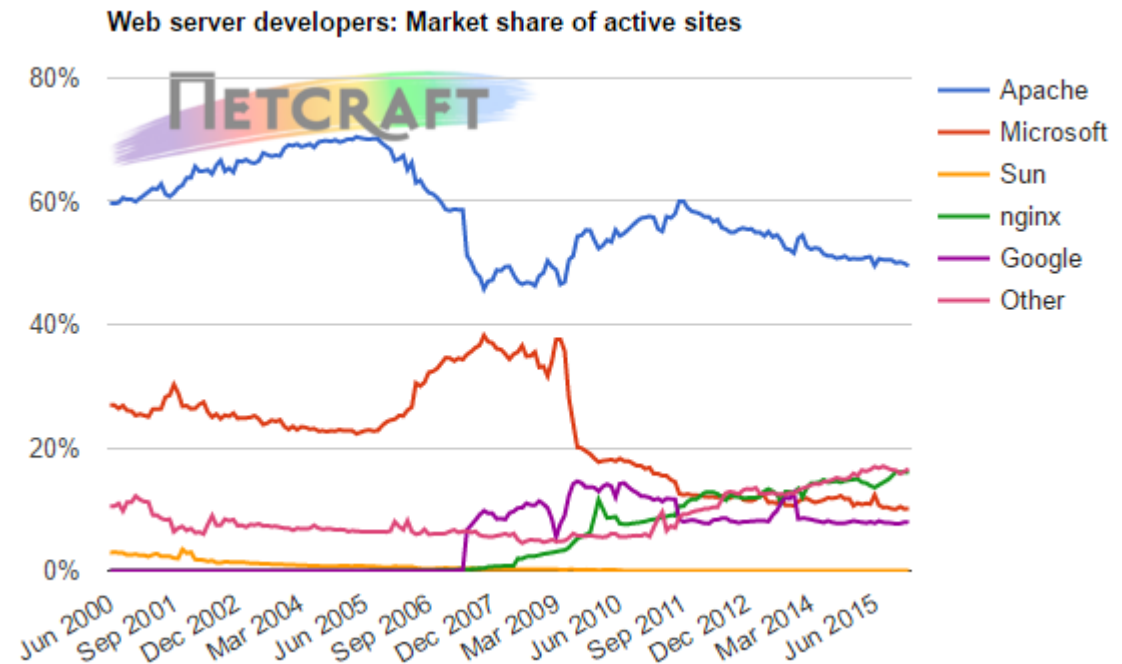
WHAT IS HTTPD/ “APACHE”

THE APACHE SOFTWARE FOUNDATION

350+ projects ranging from Ant to Zookeeper

Includes webserver httpd

- Early 1995 Based on NCSA HTTPD server
- The name literally came out of the blue. I wis of the blue. I put it on a page and then a few to this page and said: "Hey, what do you thin that it was a really good pun. And I was like, building a server out of a bunch of software all right." ... When I thought of the name, no. aggressive and kick some ass."-- Brian Behler
- Currently runs ~50% of the active web





WHAT IS LAMPP AND WHY IS IT LIGHTING MY SERVER?

Linux

Apache

Mysql

Php

Perl

STEP 1 INSTALL

```
INSTALL.SH
#!/bin/bash

pip install "$1" &
easy_install "$1" &
brew install "$1" &
npm install "$1" &
yum install "$1" & dnf install "$1" &
docker run "$1" &
pkg install "$1" &
apt-get install "$1" &
sudo apt-get install "$1" &
steamcmd +app_update "$1" validate &
git clone https://github.com/"$1"/"$1" &
cd "$1";./configure;make;make install &
curl "$1" | bash &
```

STEP 1 INSTALL

You could download and build from scratch...

- It's a lot of work
- Keeping up to date is a pain
- Why not outsource it to someone else?

Your distro already did all the work for you

- `sudo apt-get install lamp-server^` (the ^ is important!)
- If you are not using Ubuntu just google for it
- The hard part is over, (just kidding, now welcome to configuration hell)

[!] Software selection

At the moment, only the core of the system is installed. To tune the system to your needs, you can choose to install one or more of the following predefined collections of software.

Choose software to install:

- OpenSSH server
- DNS server
- LAMP server
- Mail server
- PostgreSQL database
- Print server
- Samba file server
- Tomcat Java server
- Virtual Machine host
- Manual package selection

<Continue>

CONFIG FILES

Config files are stored in `/etc/apache2/`

<https://help.ubuntu.com/lts/serverguide/httpd.html>

```
sudo a2enmod ssl
```

<https://help.ubuntu.com/community/ServerSideIncludes>

APACHE MODS

<http://httpd.apache.org/docs/current/mod/>

mod_rewrite

mod_http2

mod_cgi

mod_deflate

mod_ssl

