

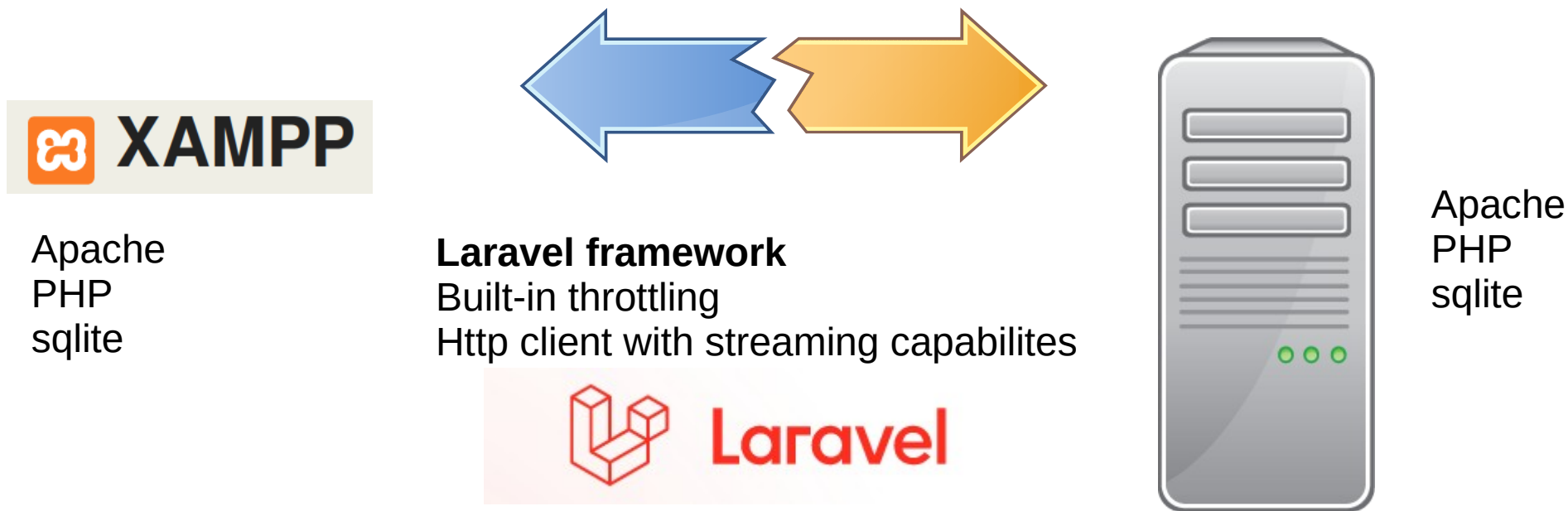
Codename

Serveronnet – do you have better names?

Client

Client can operate in 2 way

1. Laravel instance deployed on local Xampp instance
2. Running on user's hosting



Flat files retrieval scenario

1. Site visitor opens
page1.html
of site 1Abc

2. Client **A** - knows that
Site **1Abc** is hosted by Client **B**

3. Client **A** - requests
File content



Client A



Client B

4. Client **A** - validates file contents and returns to Visitor browser

Compared to Zeronet

- Servernet Sites are search engines indexable
- Proxy like access is on by default. Every client serves sites files as resource to other peers (client to client encrypted). Clients can serve files to browser either to all, none or locally authenticated user.
- Easy to publish new site. Put files in the development folder and publish. Easier (different) working with backend. Set of records retrieved.
- Moderation built-in

Compared to Zeronet 2

- Only regular HTTP(S) connections to web server are used – **potential** censorship resilience improvement
- No known vulnerabilities – Laravel industry standard
- Less reliance on platform when hosted PHP ≥ 7.3
- Not every visited have to be hosted by visitor client

Concepts

- Peers are obtained from bootstrap peers file, torrent tracker, periodic self publishing to other peer
- Consensorship and Moderation - Client owner needs to be locally authenticated to ban sites and identities. Block lists.
- Client First Run generate local admin user to administer bans and connectivity properties
- When dedicated disk space still available Site can be promoted to client hosted based on locally maintained requests counter
- Not-serving clients automatically redirect to known Site hosting peers or other peers if noone hosting known

Concepts 2

- Developed Sites are browsable through local web server
 - Published
`http://serveronnet.local/serveronnet/public/sites/1tpi5Kso1he/index.html`
 - Local
`http://serveronnet.local/serveronnet/storage/app/developed_sites/My_Site/`
- CSRF protection built in Laravel framework
- Throttling built in in in Laravel framework
- CORS possible as built-in functionality in Laravel
- Publishing of sites uses Zeronet signer pattern content and content listing

Identities

- Identity generated by vanity address generation that will be accurate for specific day only. Goal is that it will take 1 hour on an average PC.
- Easy (one click) user banning will make not worth spam identities.
- Identity registry will only store identities correctly generated.
- Identities are used to verify user generated (signed) records

User Data

- Users write data to sites and sign every record
- Result of queries for user data are consolidated from multiple clients and parameters revalidated, per each record authenticity validated on client. Bans applied before returning to browser.

[Serveronet](#)

Serveronet Client configuration page

Complete First Run (Completed)

Once First Run is completed this configuration becomes read only. To be able to re-run First Run setup delete the *client_basic_settings.php* file. | Free: 14.37



Network settings

Serveronet Client will publish itself to other peers with this URL. Adjust to your situation.



http://serveronet.local/serveronet/public

Recheck

External connection to your client has failed. ⚡ 😞

Sites

Ban

Host

1tpi5Kso1he

2022-07-18 12:43:29 | 1 | known

Ban

Host

1q9DOjx0hQx

2022-07-18 12:43:33 | 1 | known

Ban

Host

1Q6PqSqi8Sb

2022-07-18 12:43:36 | 1 | known

Peers

Ban

<http://serveronet.local/serveronet/public>

Ban

http://sparrow.local/serveronet_sparrow/public

Ban

http://seagull.local/serveronet_seagull/public

Ban

<http://999.999.999.999:8080/serveronet/public>

File Listings

2022-07-18 12:43:29 | 1tpi5Kso1he

2022-07-18 12:43:33 | 1q9DOjx0hQx

2022-07-18 12:43:36 | 1Q6PqSqi8Sb

site_resources



Nowy r

id	site_id	res_id	md5_hash	version_id	mime_type	file_name
tr	Filtr	Filtr	Filtr	Filtr	Filtr	Filtr
	1tpi5Kso1he	css/stylesheet.css	f090b4a9150...	2022-07-18 ...	text/css	vWXzz8K8scz6...
	1tpi5Kso1he	index.html	30da037402f...	2022-07-18 ...	text/html	hfmIF6ICdjKqp...
	1tpi5Kso1he	js/script.js	378e72ddd2...	2022-07-18 ...	text/javascript	12axomYAqvO...
	1q9DOjx0hQx	css/stylesheet.css	f090b4a9150...	2022-07-18 ...	text/css	Svyg34OzsT7g...
	1q9DOjx0hQx	index.html	30da037402f...	2022-07-18 ...	text/html	e3p1Oa0Y8wa...
	1q9DOjx0hQx	js/script.js	378e72ddd2...	2022-07-18 ...	text/javascript	fovWuOEiOnL...