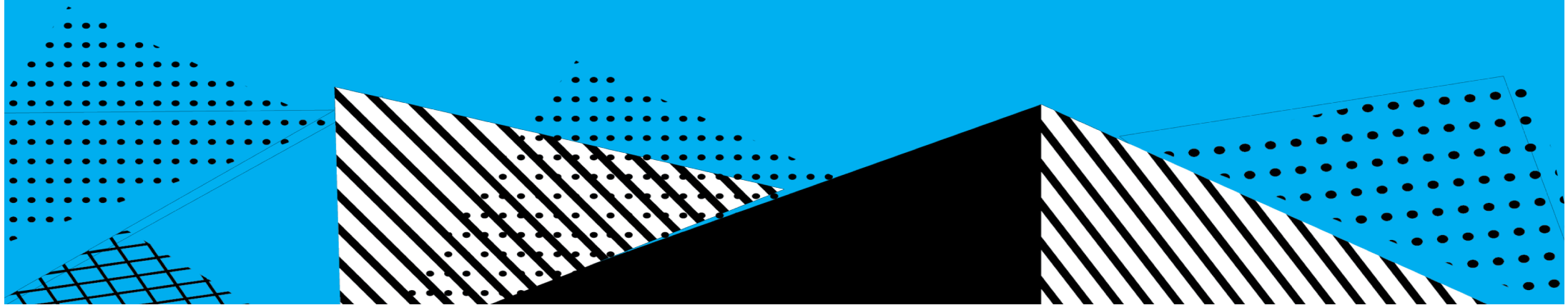


Foundations of Web Development



9 Publishing Your Site to Web

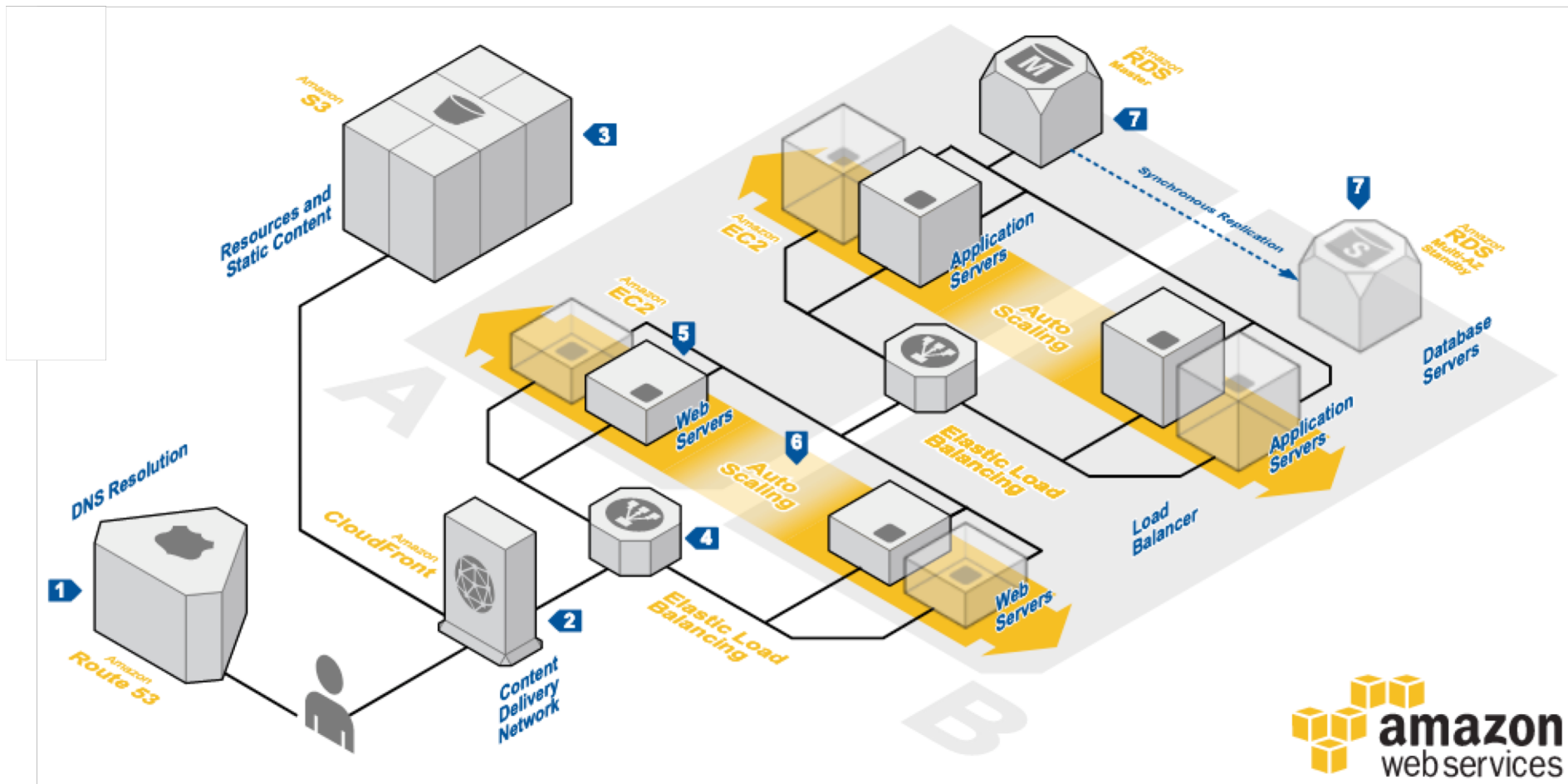
Lassi Virtanen 2019



Contents

- Hosting Example
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- Task: Find examples for website hosting
- Hosting Service Examples
- Domain name
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Website Hosting



Choosing Hosting

Price for

- Storage
- Database
- SSL
- Monthly transfer (in-out)
- Mail (?)

In addition

- Location
- Performance
- Scalability
- Support / SLA / Maintenance

Find 2-3 alternatives for website hosting
(e.g. Google webhotelli)

Hosting Service Examples

- Free

- <https://www.netlify.com/pricing/>
- <https://pages.github.com/>

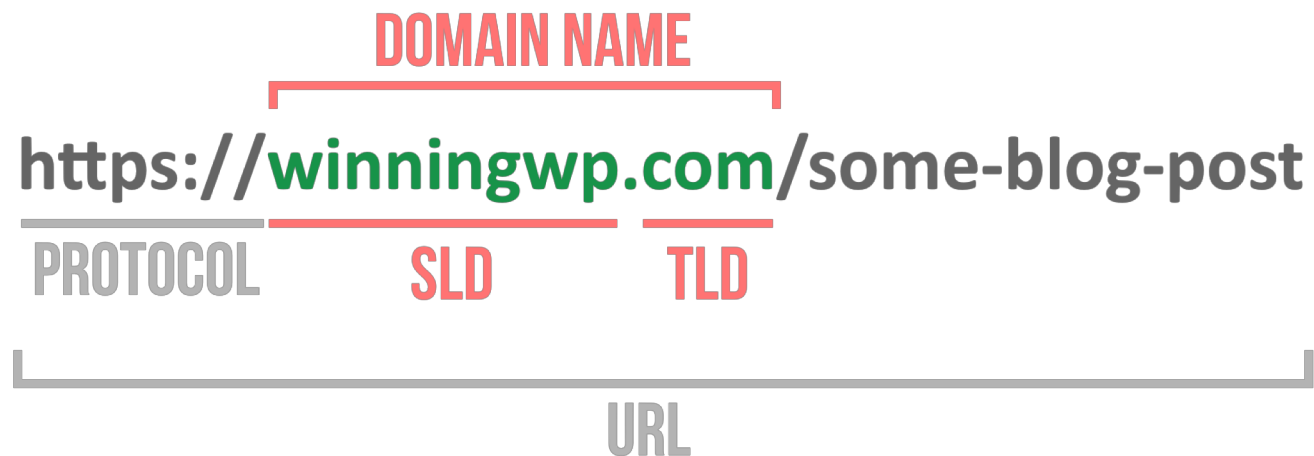
- Google “Webhotelli”

- 1 - 30€ / mos

- Public Cloud AWS / Azure / etc

- From “free” (S3 / Storage) to xxxx€ per month
- <https://aws.amazon.com/architecture/>
- <https://docs.microsoft.com/en-us/azure/architecture/>
- <https://azure.microsoft.com/en-us/pricing/calculator/> (Azure Storage vs Web App)

Domain name



https://winningwp.com/wp-content/uploads/2017/02/URL-3.png

Domain name

- Laurea.fi / Laurea.net
- TLD count 1500+
- Consists of
 - Domain name registration (from 2€ to 1k€+ yearly)
 - Domain Name Service (usually includes in registration)
 - Can have one or multiple DNS entries to different servers

URL	Domain	Subdomain	TLD	IP
Link.laurea.fi	Laurea	link	.fi	193.166.246.78
www.laurea.fi	Laurea	www	.fi	193.166.246.78
Pakki.laurea.fi	Laurea	Pakki	.fi	193.166.246.78
Optima.discendum.com	Optima	Optima	.com	194.100.100.213

* <https://www.iana.org/domains/root/db>

Publishing Process

	Local	Hosting	Website
Development	In local environment	In Hosting environment in dev-path	In Hosting environment in www-path
Publishing	Transfer files to hosting via FTP / SFPT	Point domain to new path (DNS / htaccess)	Every time you save
Pros / Cons	+ Easy to develop - Compability with hosting?	+ no comp. Issues	+ Always the latest in prod

Setting up Hosting

- Domain registration / hosting configuration
- Transferring site via SFTP to hosting
- Test (preview address?)
- Publish by pointing domain to hosting
 - Takes 1-24h
 - Done at domain name service provider (usually same than hosting provider)
 - A record for domain.tld and www.domain.tld (or site.domain.tld)
 - TTL

Tools & Tips

- W3 Validator <http://validator.w3.org/>
 - W3schools <https://www.w3schools.com/>
 - Google Developer Site Speed <https://developers.google.com/speed/>
 - Google Developer SEO <https://developers.google.com/search/>
 - Firefox / Chrome Dev tools
-
- FileZilla / CuteFTP / WinSCP / Terminal / PuTTY / ... (SFTP / SSH!)

Thanks!