JANSTACK SILLY NAME SERIOUS BUSINESS

PHIL HAWKSWORTH

I CARE ABOUT NOT HAVING TO MAINTAIN CRANKY AOLSERVER, POSTGRES AND ORACLE INSTALLS

AARON SWARTZ, 2002





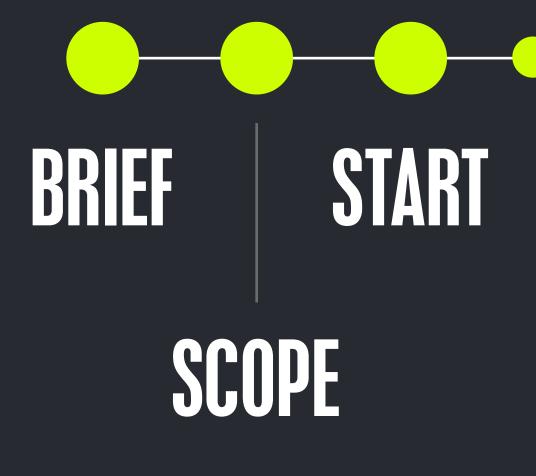


SIMPLIFYING The STACK

DEVELOPMENT PROJECTS

THE PROJECT TIMELINE

FIXES



RE-SCOPE

CLIENT REVIEW

LAUNCH

AWARDS

'FINAL' SIGN OFF



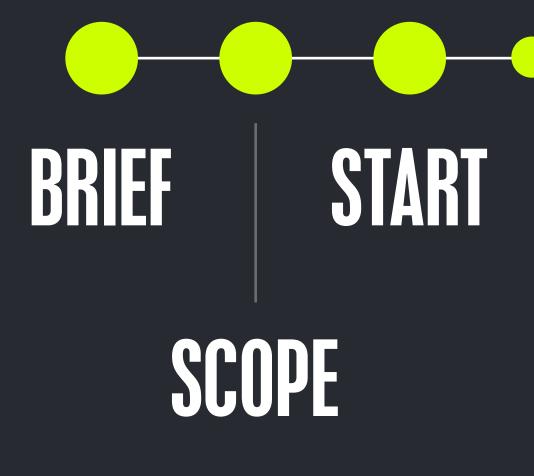






THE PROJECT TIMELINE

FIXES



RE-SCOPE

CLIENT REVIEW

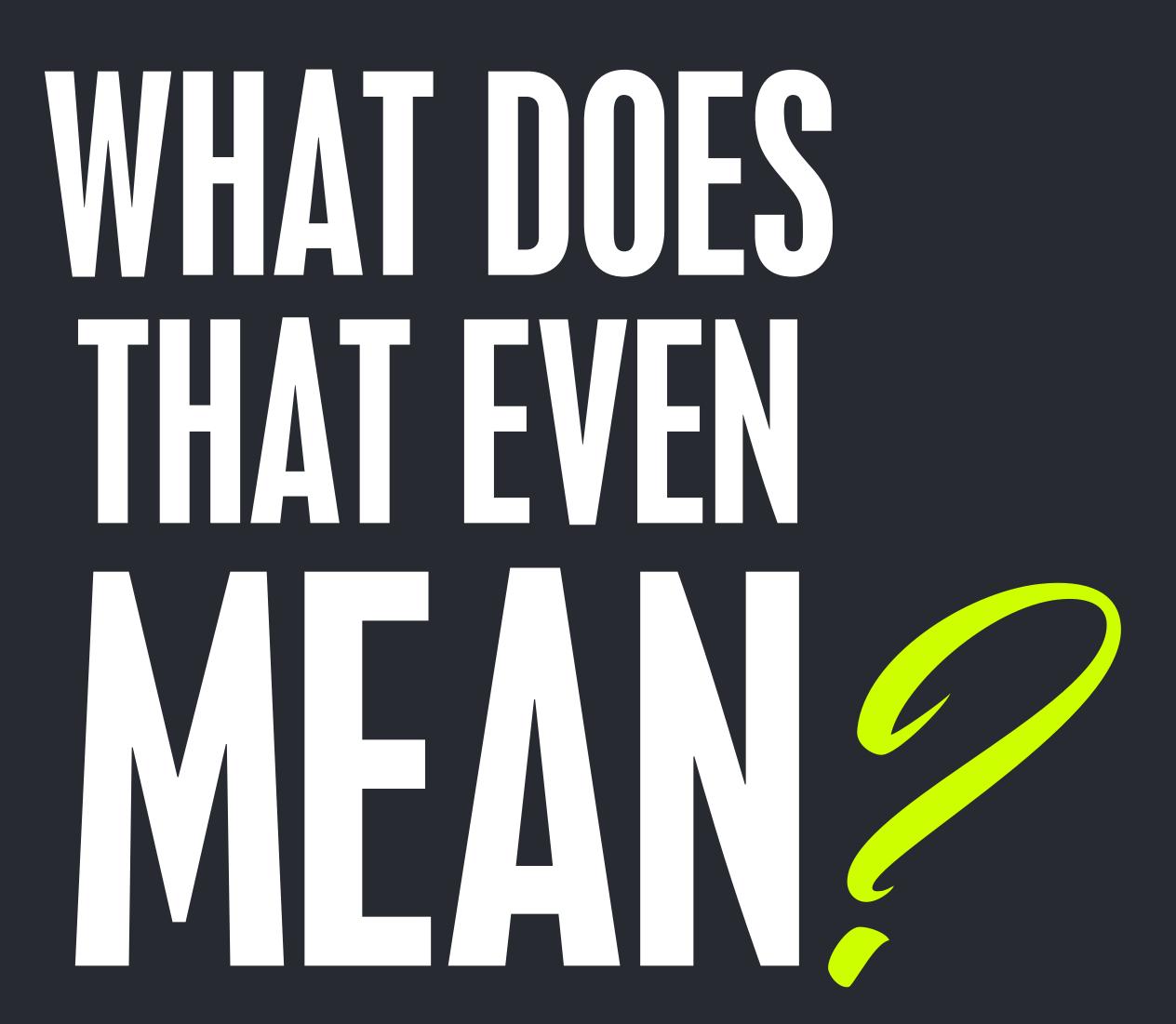
LAUNCH

AWARDS

'FINAL'
SIGN OFF

SIMPLIFYING The STACK







DEFINITION / DESCRIPTION IMPACT IMPLICATIONS TOOLS SERVICES RESOURCES / FIRST STEPS

SIMPLIFYING The STACK

STACKS FOR DAYZ

N / LAMP / MAMP / XAMP / ROR / WISA / ME/ Wisa / Mean / Lamp / Mamp / Xamp / Ror /

STACKS FOR DAYZ

MEAN / LAMP / MAMP / XAMP / ROR / WISA MEAN / LAMP / MAMP / XAMP / ROR / WISA /





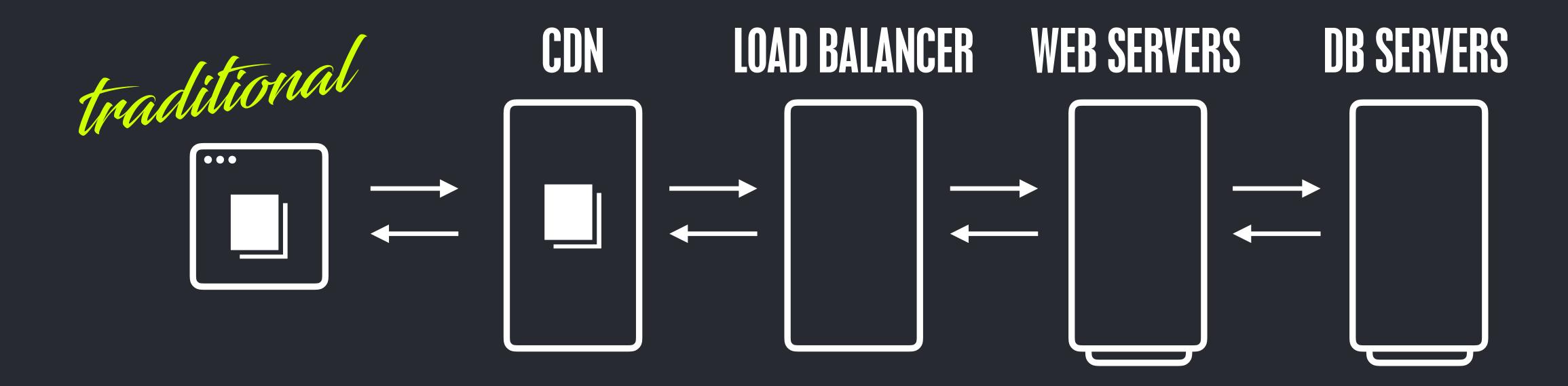
A modern architecture —

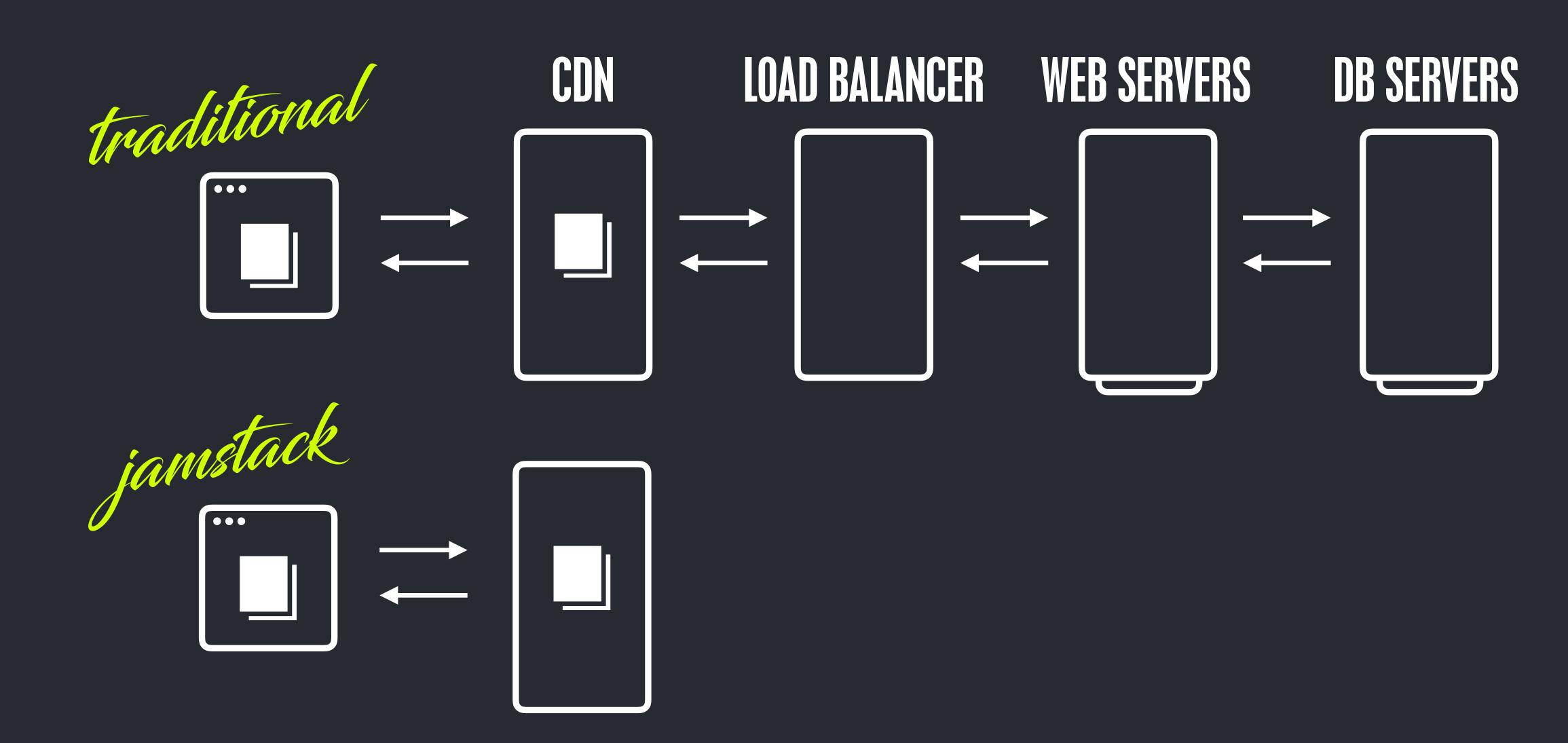
Create fast and secure sites and dynamic apps with JavaScript, APIs, and pre-rendered Markup, served without web servers





AMSTACK







MOMONS

CAPABLE OF BEING SERVED DIRECTLY FROM A CDN



AN OPPORTUNITY TO REDUCE COMPLEXITY

ENIOYS THE BENEFITS

SERVING STATIC ASSETS

ISN'T THIS JUST A FANCY NEW NAME FOR STATIC SITES?

REASONABLE VOICES









Pixel Pioneers, June 2019

/'statik/

lacking in movement, action, or change, especially in an undesirable or uninteresting way.



EXPERIENCE!



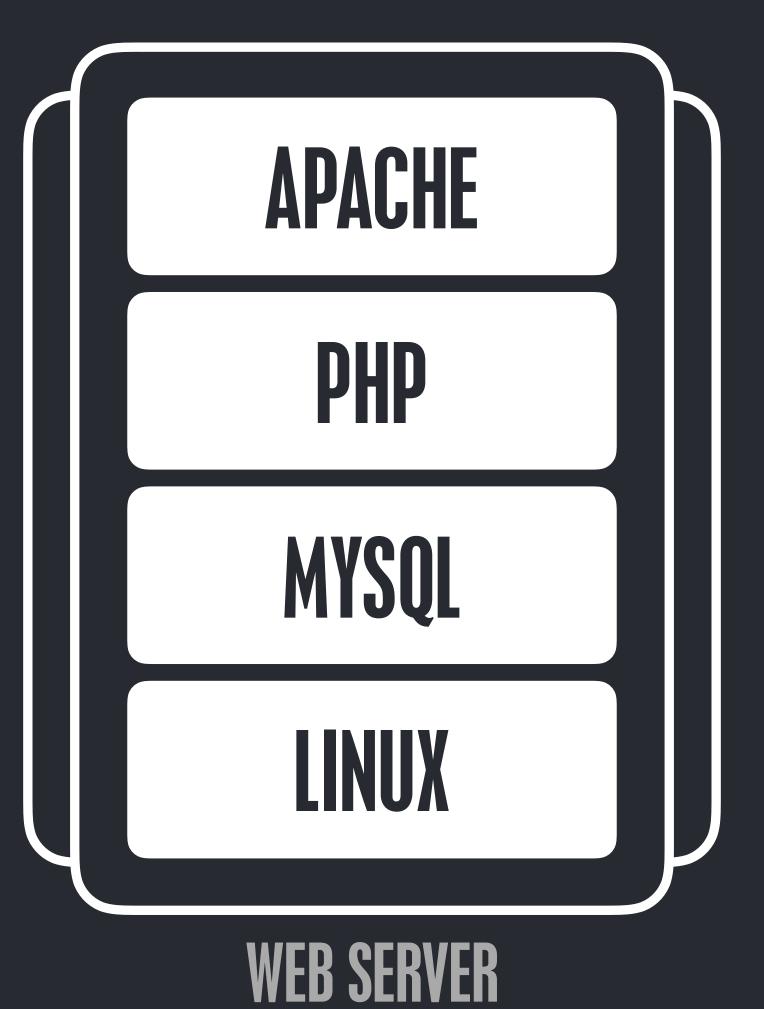


LET'S TALK STACKS



the layers of technology which deliver your web site or application

LAMP STACK



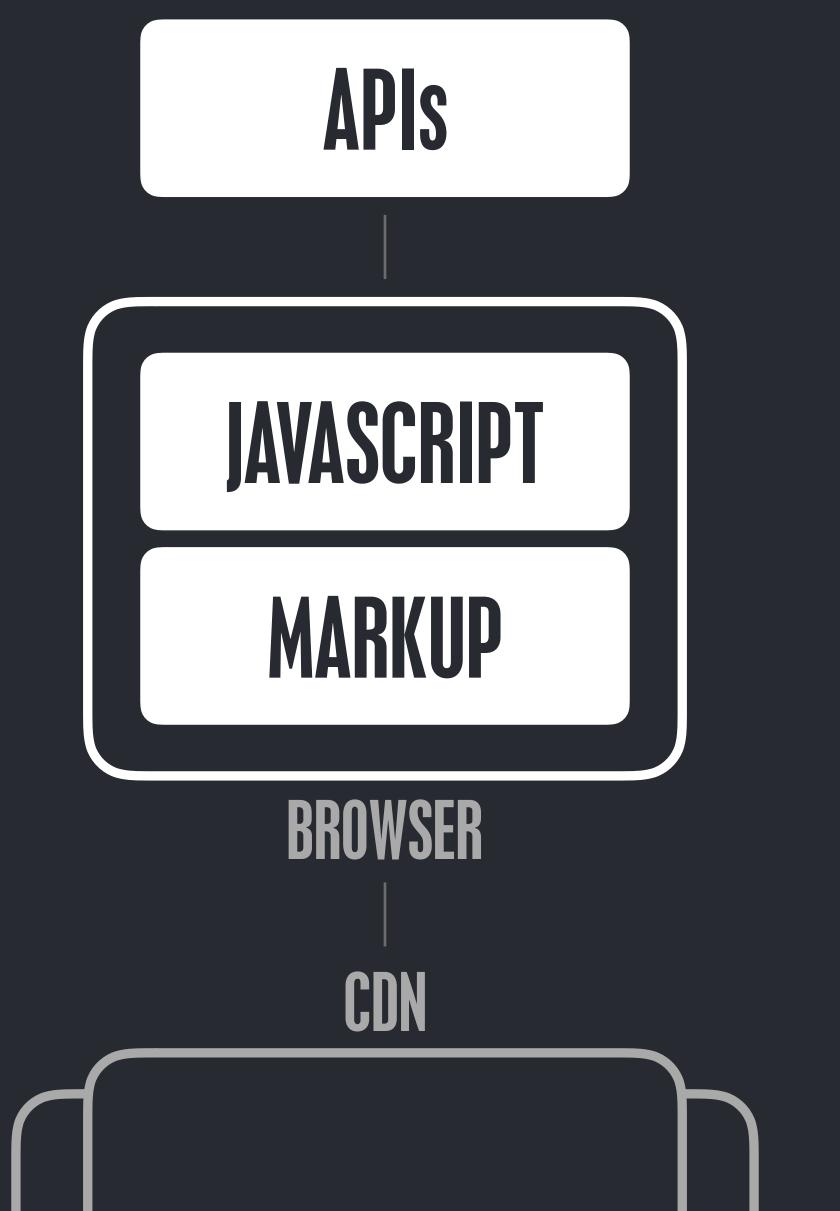
HTTP ROUTING AND SERVING

PREPROCESSING

DATA ACCESS

OPERATING SYSTEM

JAM STACK



DATA ACCESS

RUNTIME

HTTP ROUTING AND SERVING





WITH JAMSTACK TO THE BROWSER

APIS

JAVASCRIPT

MARKUP

BROWSER

WEB SERVER



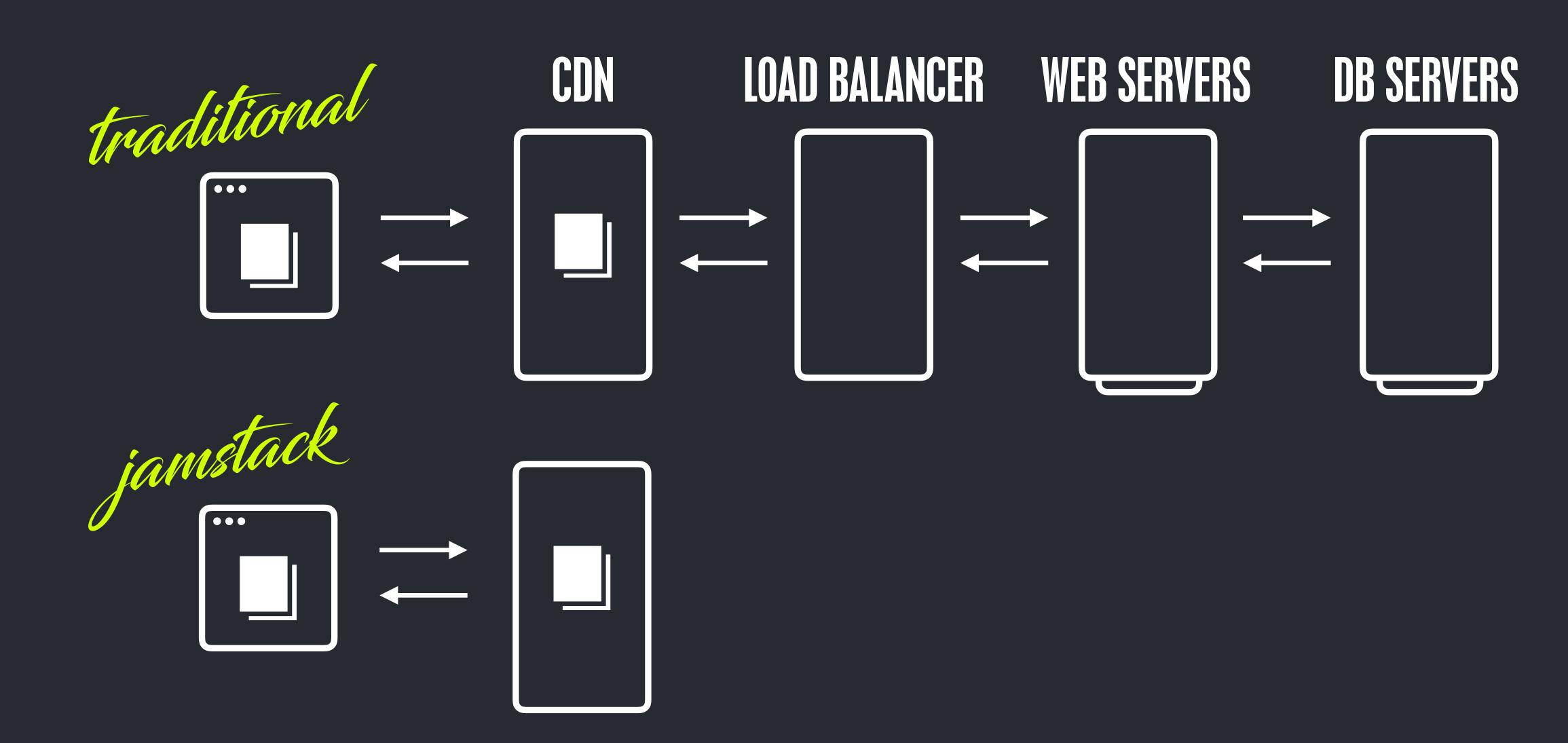
THE PROJECT TIMELINE

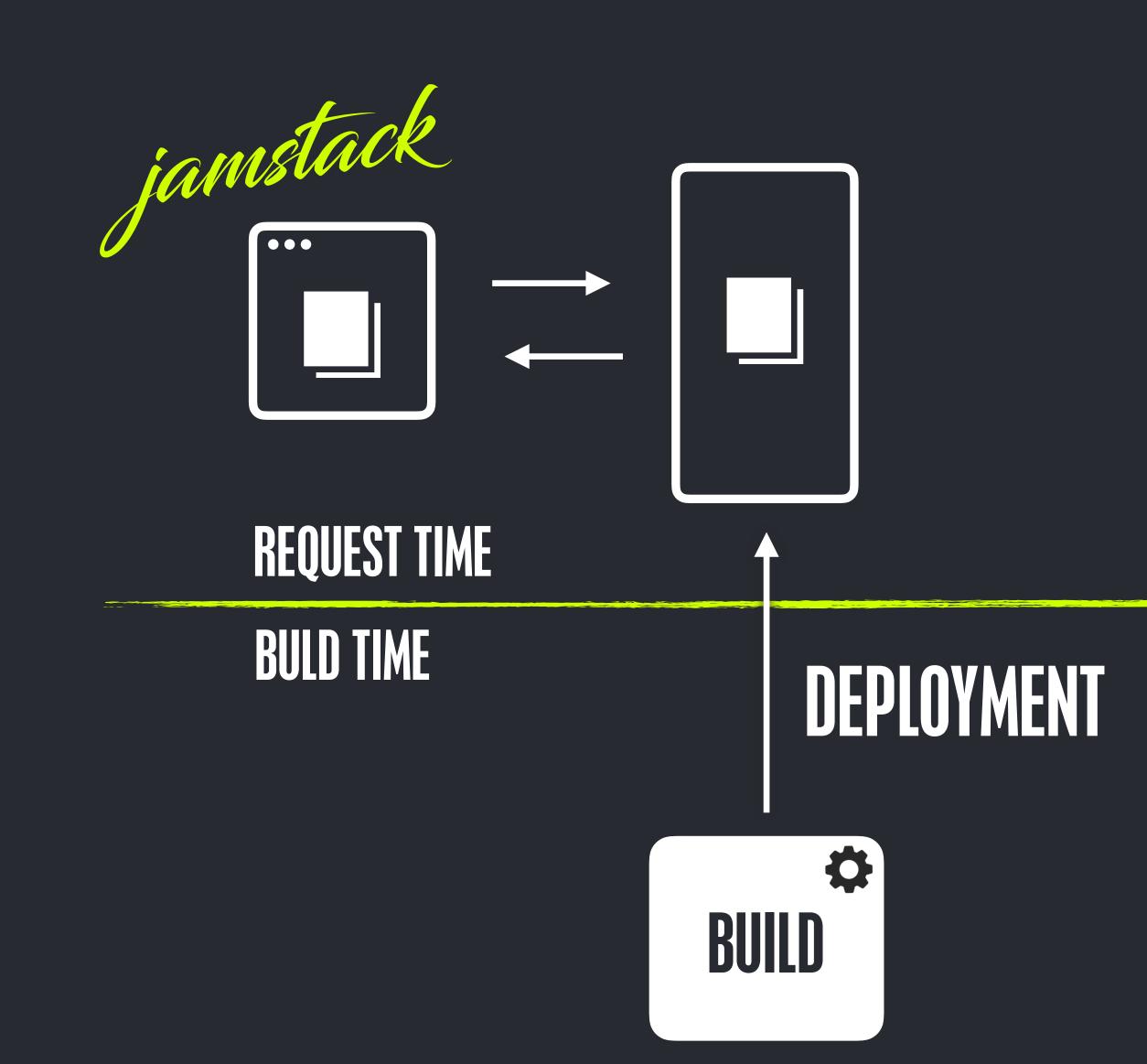
FIXES



SCOPE

'FINAL''
SIGN OFF





WEWE BECOME AT SERVING STATIC FILES





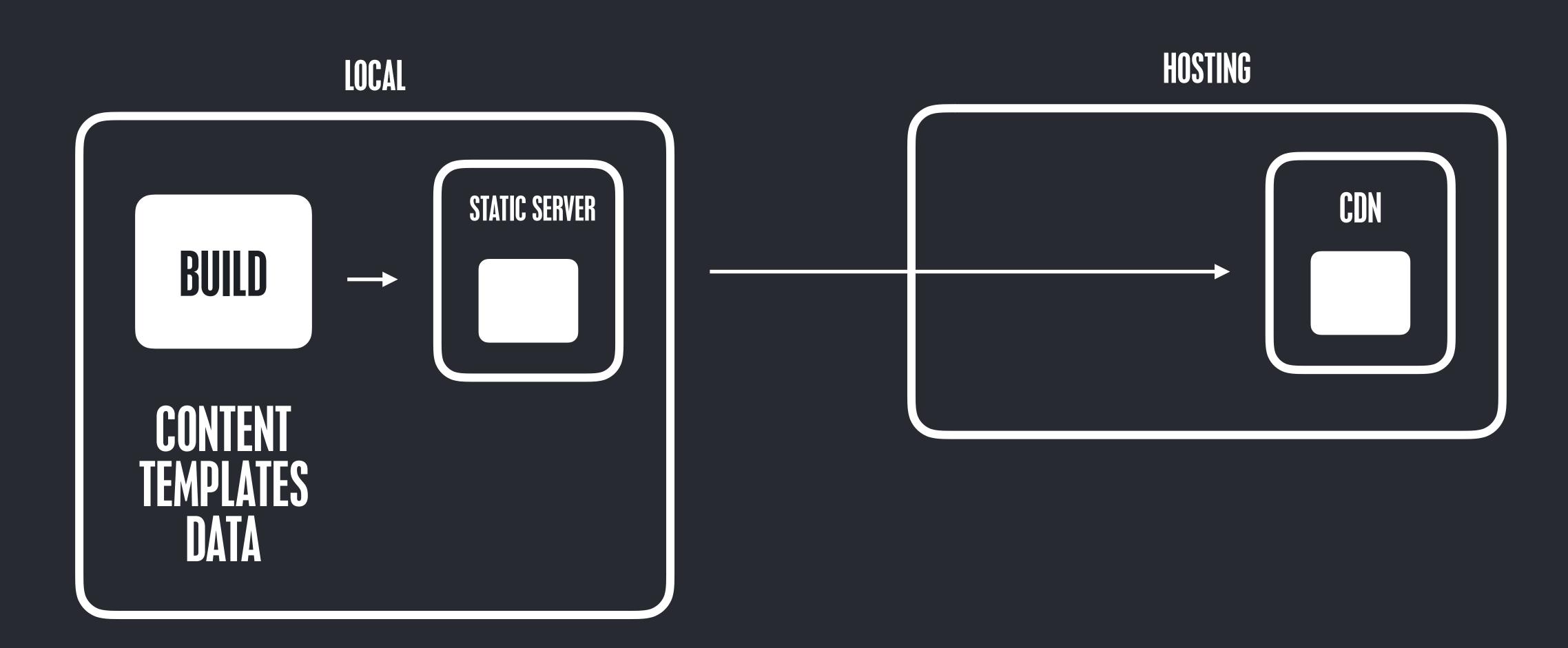












LET'S ADDRESS MISCONCEPTION









JEKYLL
YAML
NO JS
NO APIS
GITHUB PAGES

yes

GATSBY MARKDOWN GRAPHQL APIS IS HYDRATION AMAZON S3

yes

HUGO MARKDOWN JS INTERACTIONS NO APIS GOOGLE CLOUD

yes

NUXT JSON JSINTERACTIONS COMMERCE APIS NETLIFY

yes

HAND-MADE PWA WEBPACK JWT BROWSER APIS AZURE

yes

ORIGIN SERVER



Modelle

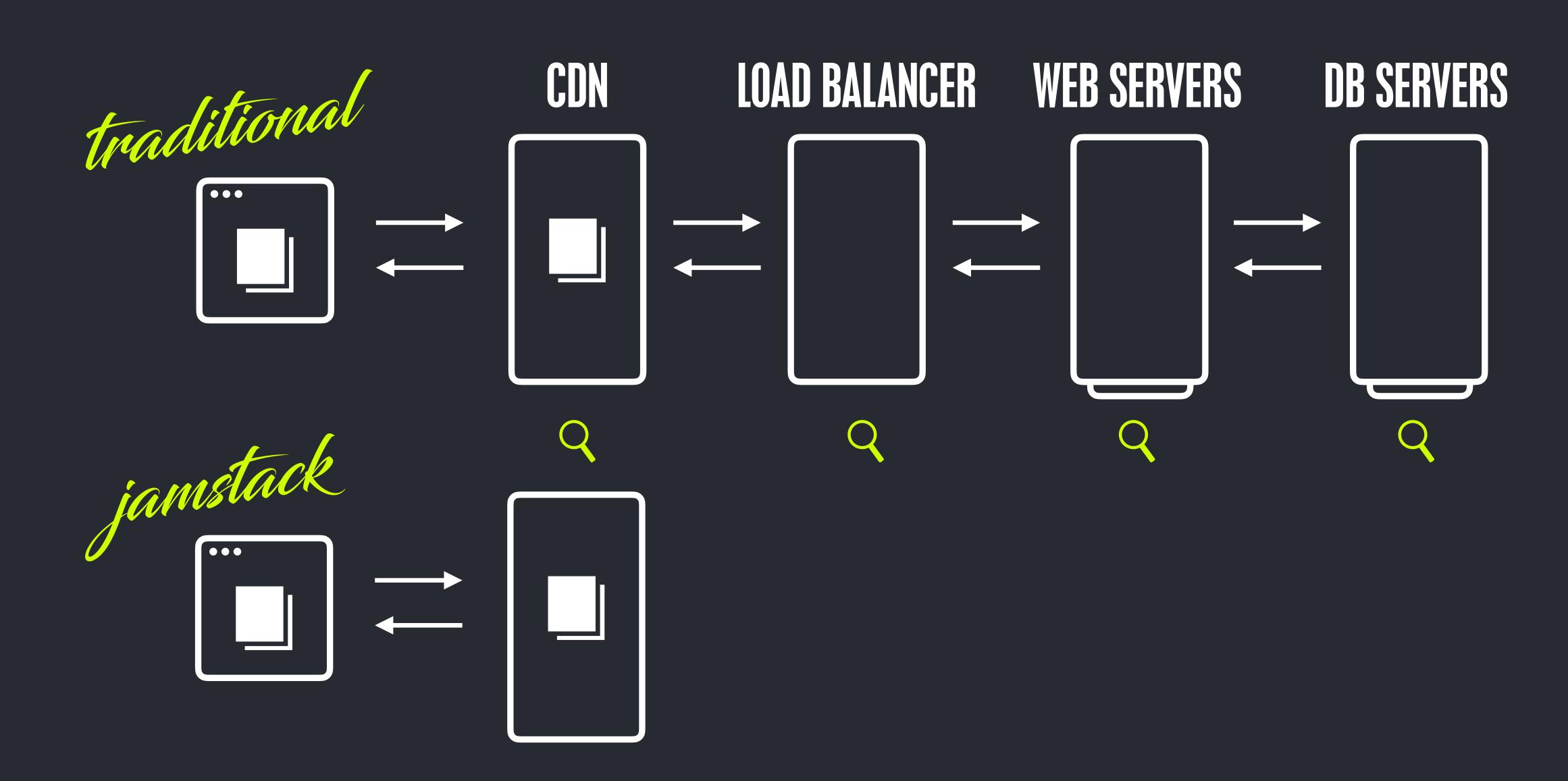
CAPABLE OF BEING SERVED DIRECTLY FROM A CON





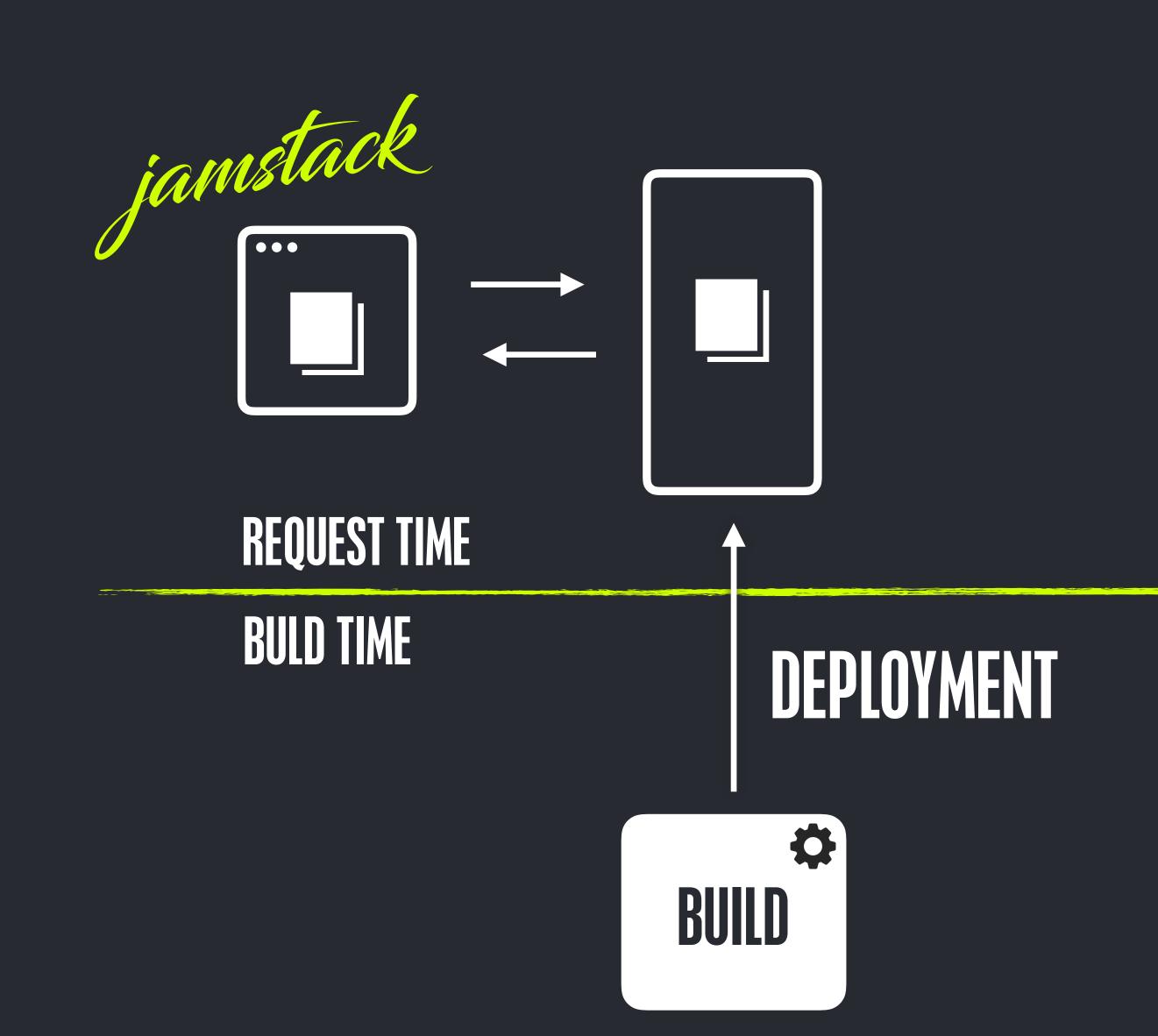


A GREATLY REDUCED SURFACE AREA



FAR FEWER MOVING PARTS

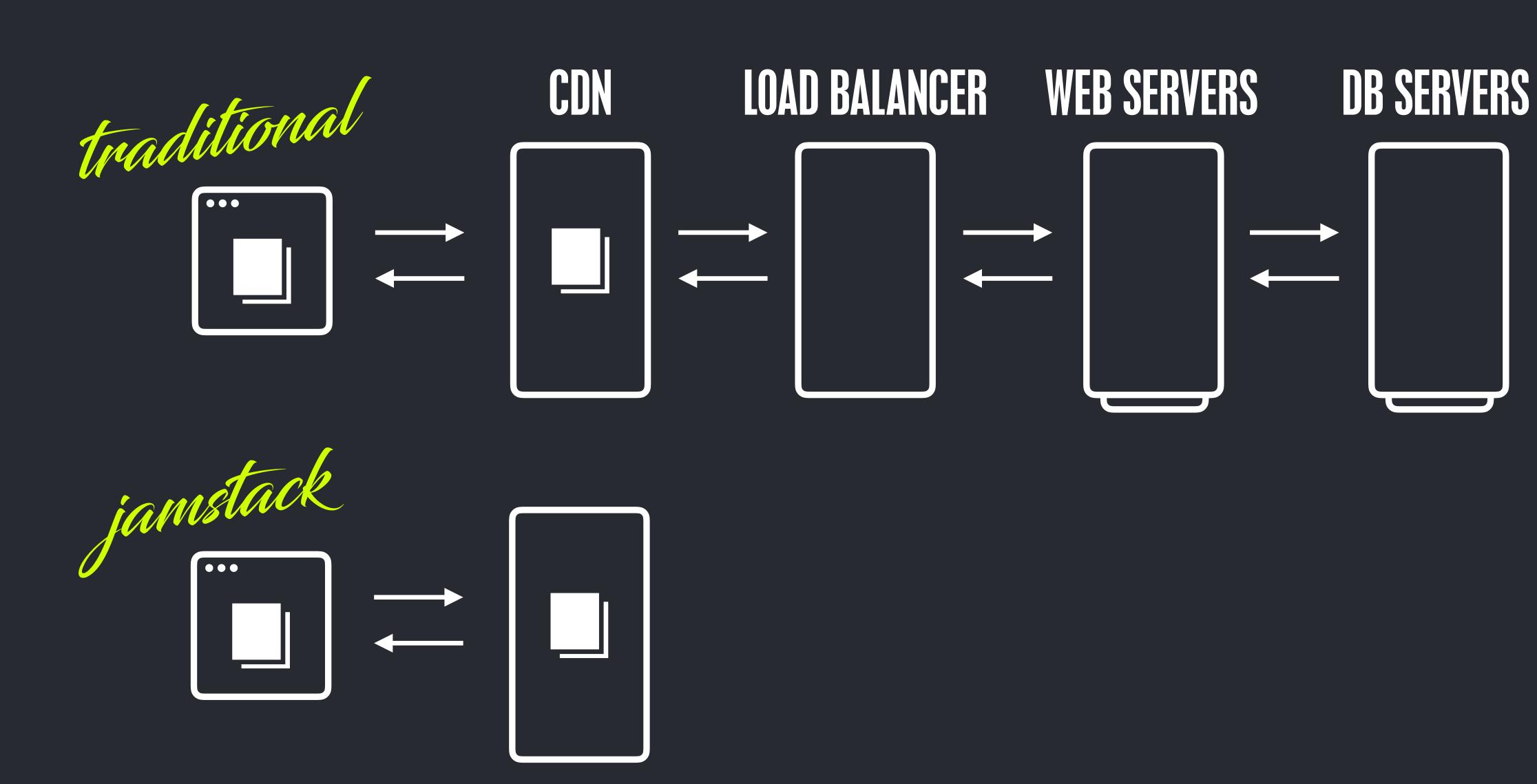
YOUR-DOMAIN.COM/WP-ADMIN



NO MOVING PARTS

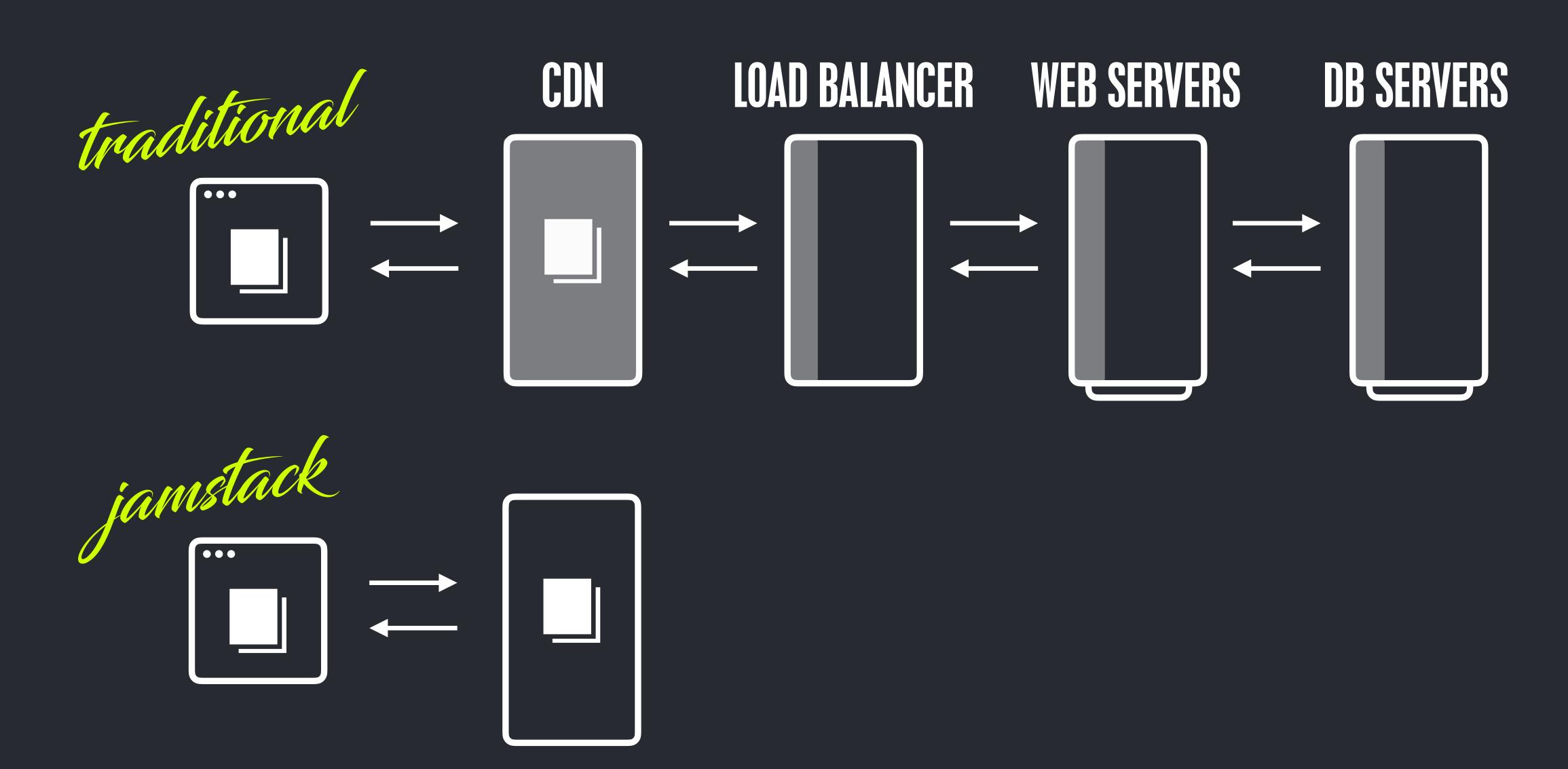
MOVING PARTS





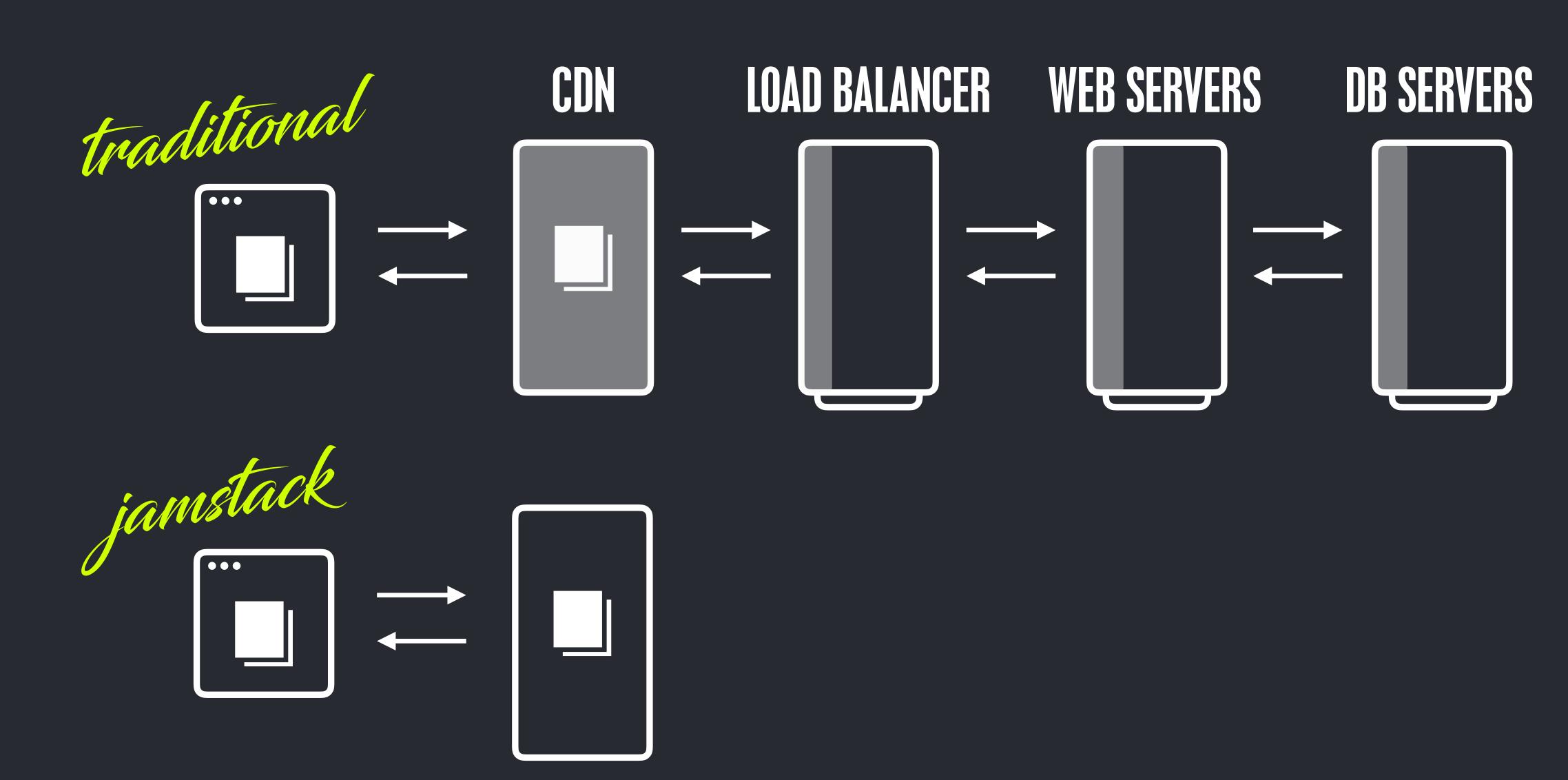


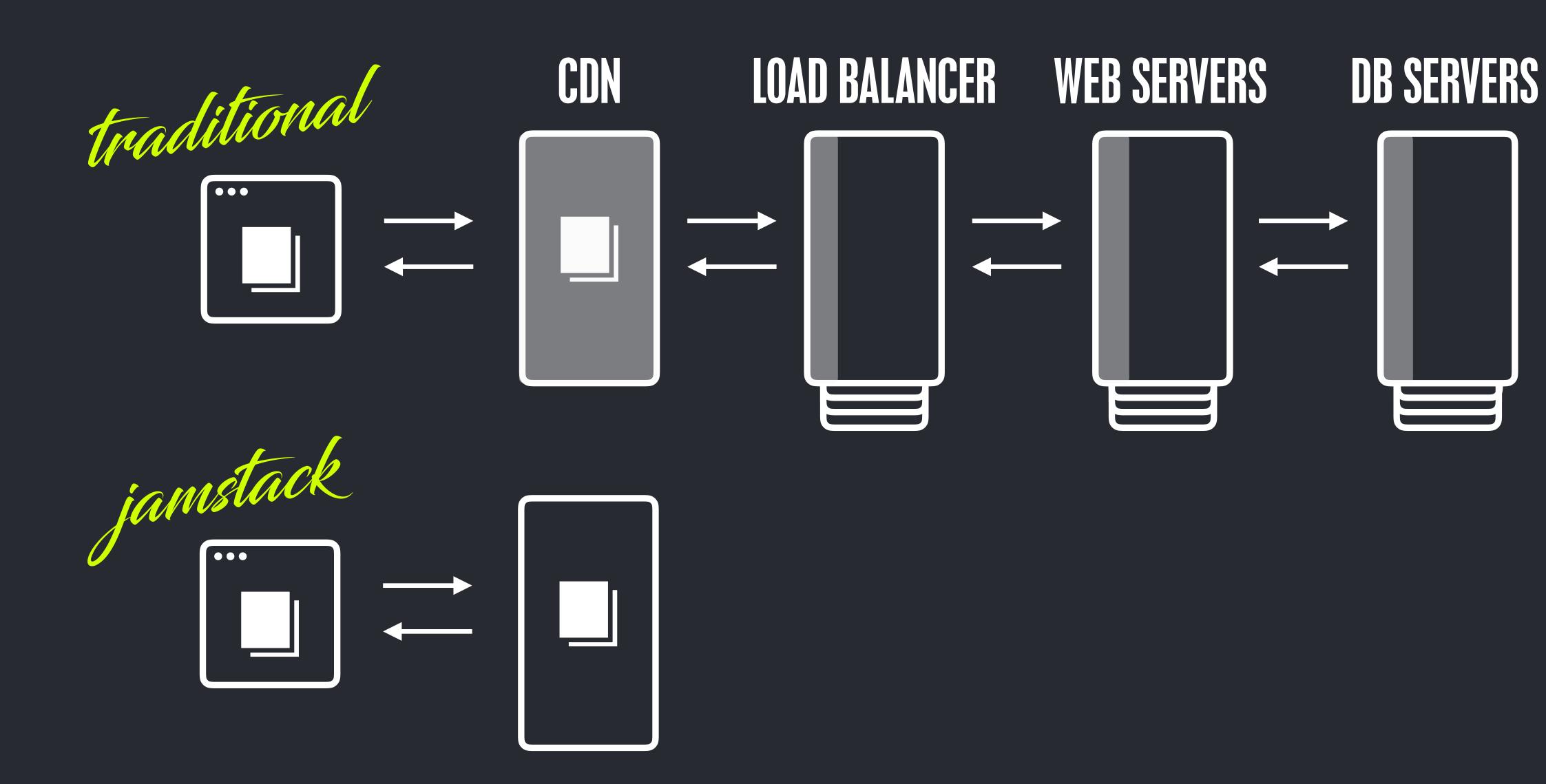
CACHING GALORE



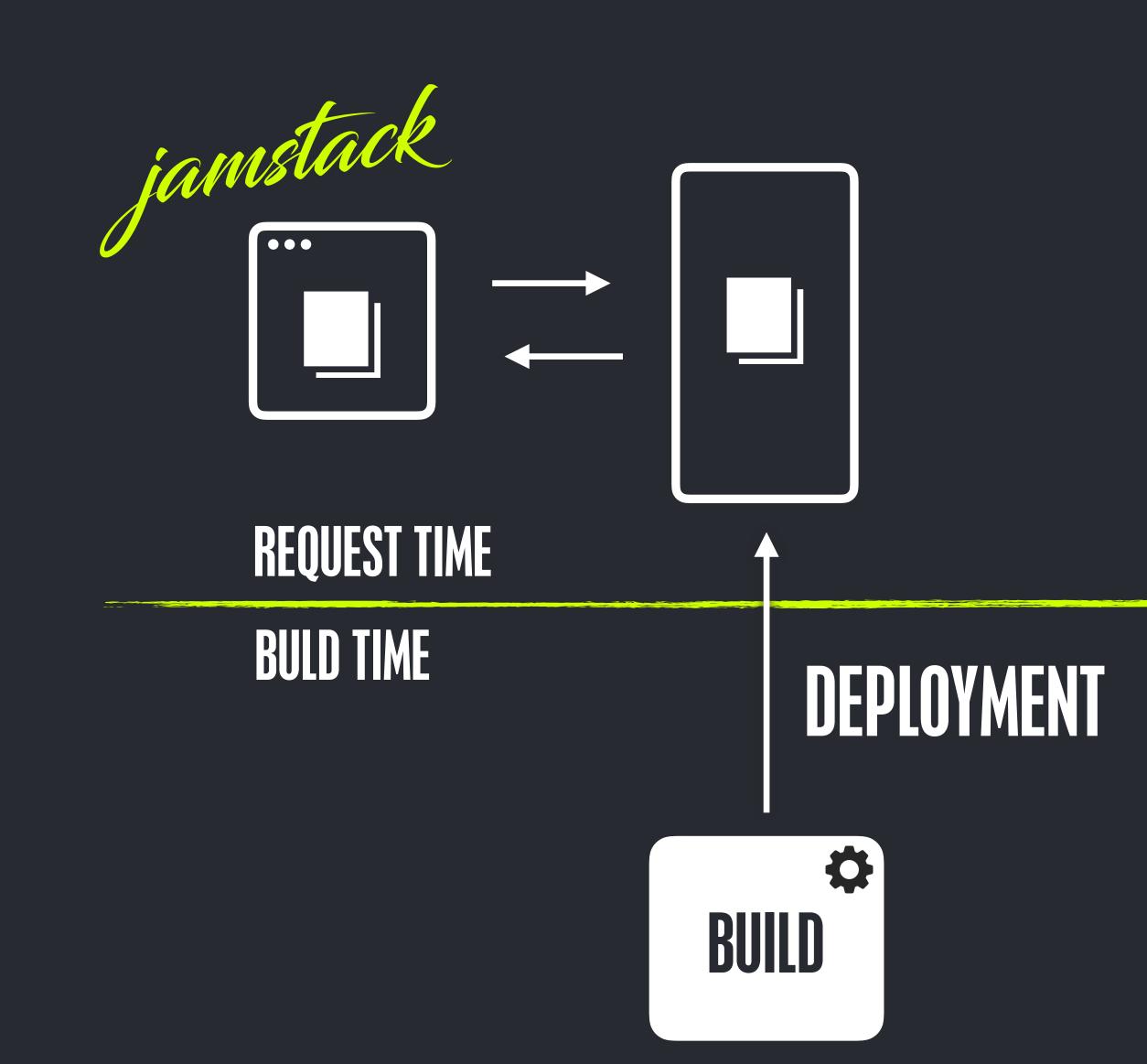


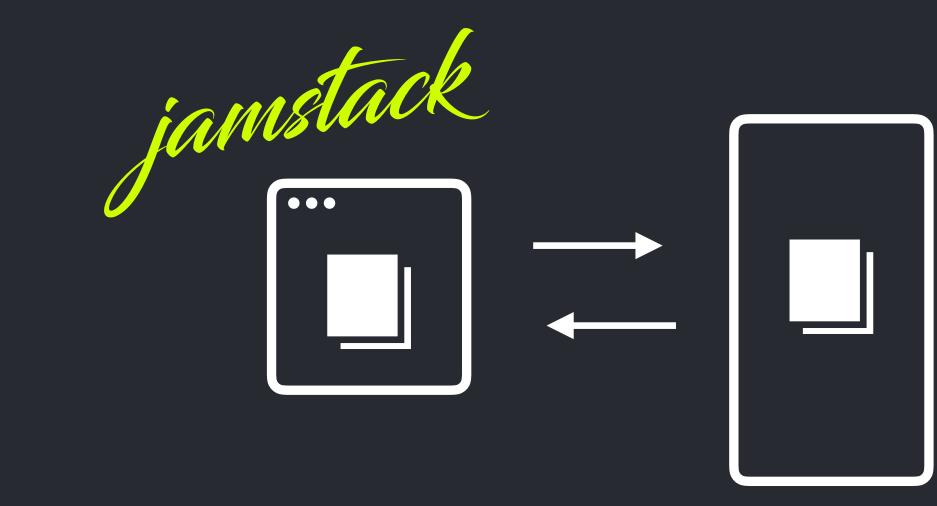
TRADITIONAL STACKS ADD INFRASTRUCTURE IN ORDER TO SCALE





DEVELOPER EXPERIENCE





REQUEST TIME

BULD TIME

DEPLOYMENT



A WELL BEFINED
PROBLEM SPACE
WITH FREEDOM TO
MAKE CHOICES

FREEDOM CHOICE

FREEDOM

FROM THE TECHNICAL CONSTRAINTS OF EXOTIC PLATFORMS

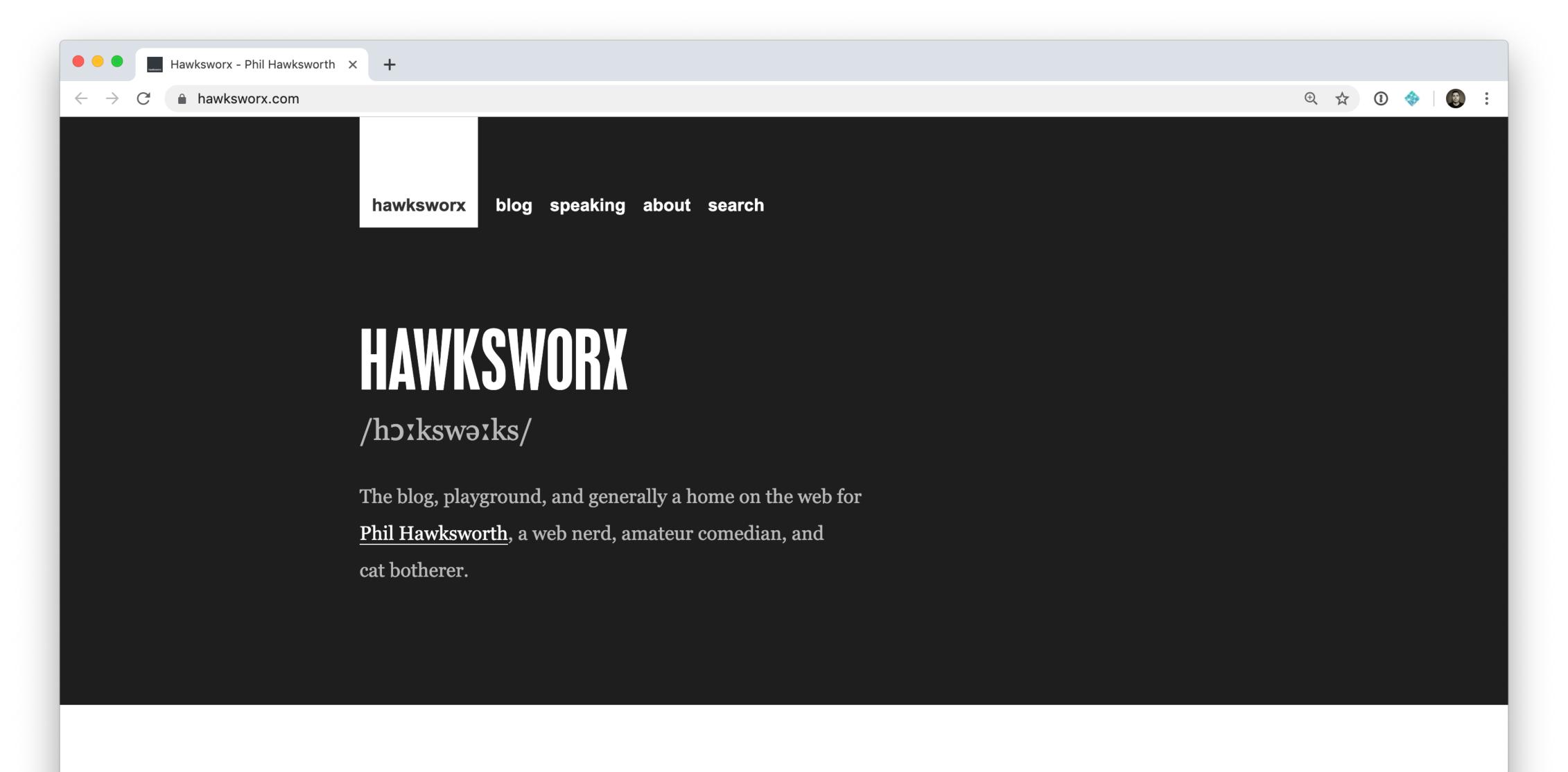
and

OF TOOLS AND APPROACHES WHICH BEST FIT THE TEAM AND THE PROJECT



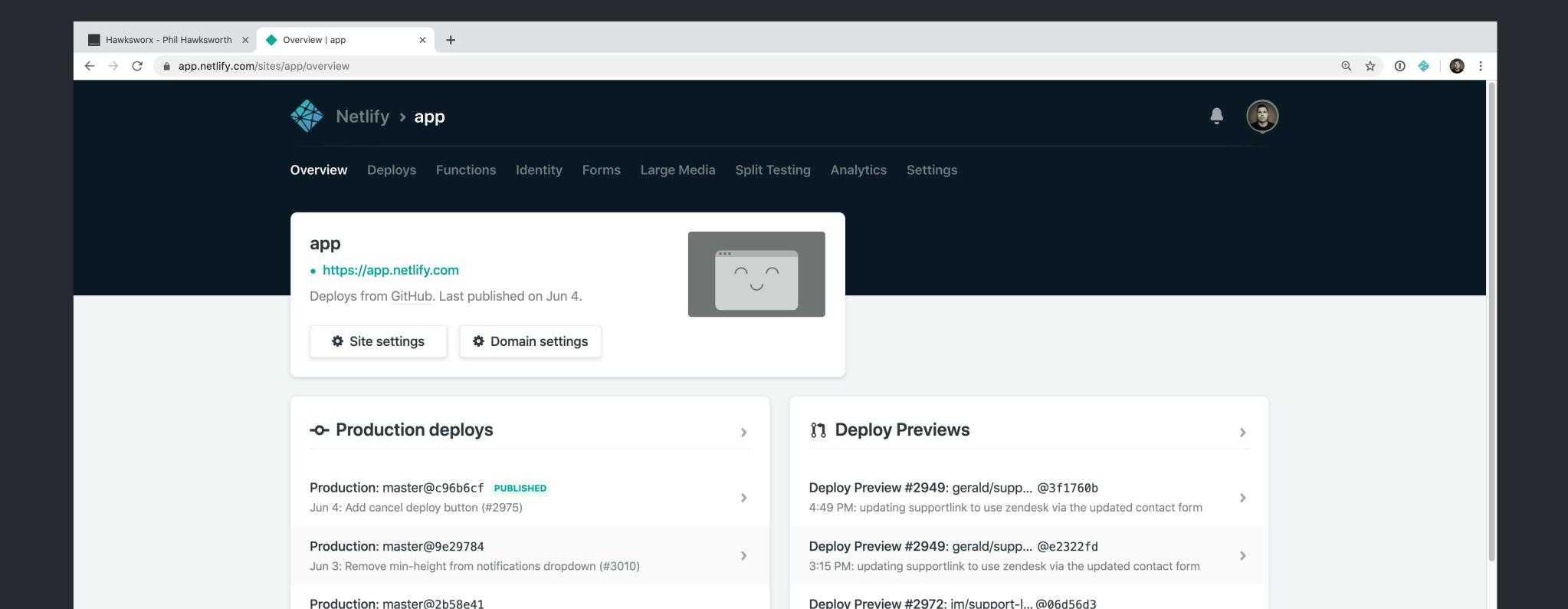


A JAMSTACK SITE CAN MORE EASILY HAVE IMMUTABLE, ATOMIC DEPLOYS



You can usually find me on <u>Twitter</u>. And you can sometimes find me at web development <u>conferences</u>, where I might be talking about development techniques. I blog here less frequently than I'd like, but manage it a little more often on the <u>Netlify blog</u>.

AN EXAMPLE OF A DYNAMIC WEB APP?





APIS AND SERVICES

BOUGHT SERVICES

CMS

ASSETS

COMMERCE

IDENTITY

CONTENTFUL SANITY GRAPHCMS

CLOUDINARY

STRIPE SNIPCART AUTHO OAUTH CMS

ASSETS

COMMERCE

IDENTITY

CONTENTFUL SANITY GRAPHCMS

CLOUDINARY

STRIPE SNIPCART AUTHO OAUTH



CMS

DAMS

COMMERCE

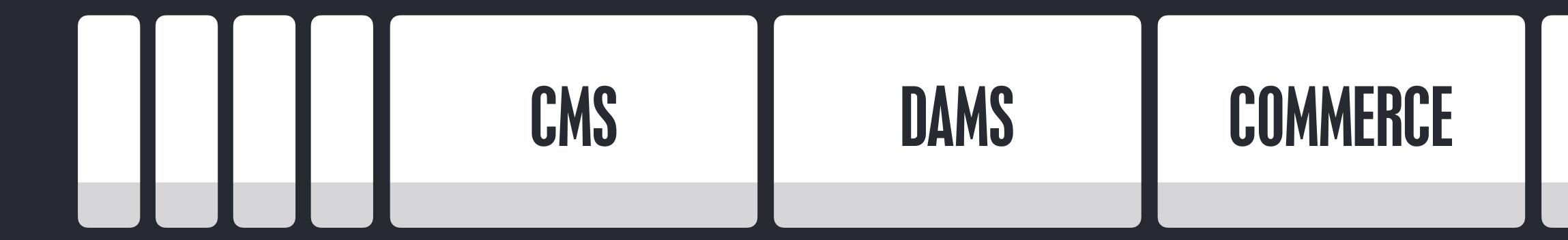
IDENTITY



JAMstack - Serious Business

Pixel Pioneers, June 2019

@philhawksworth





I ABSOLUTELY POSITIVELY NEED A LITTLE LOGIC ON A SERVER

MANY OF US, SOMETIMES



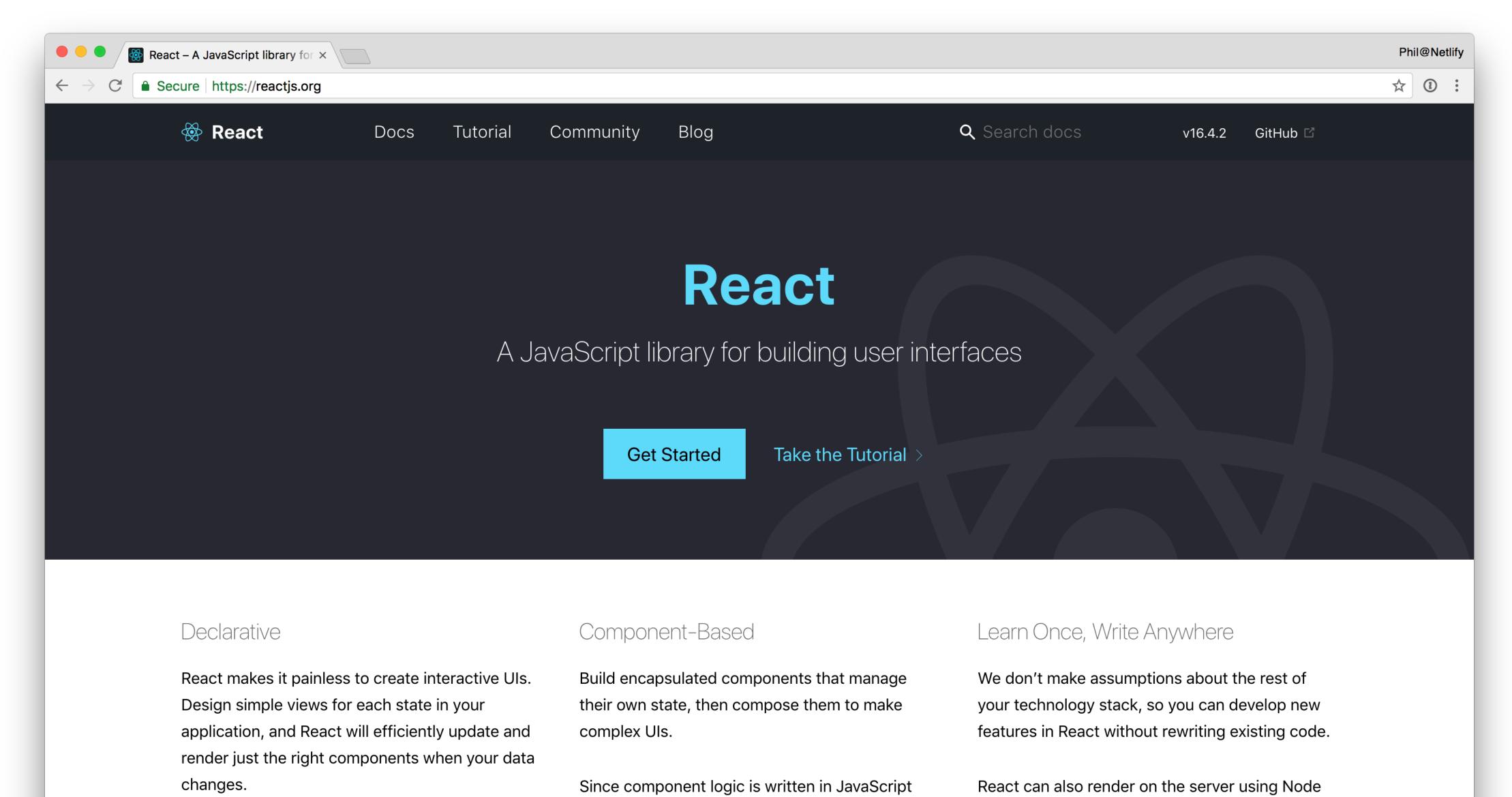
FUNCTIONS AS A SERVICE

EXAMPLES AND AND RESULTS



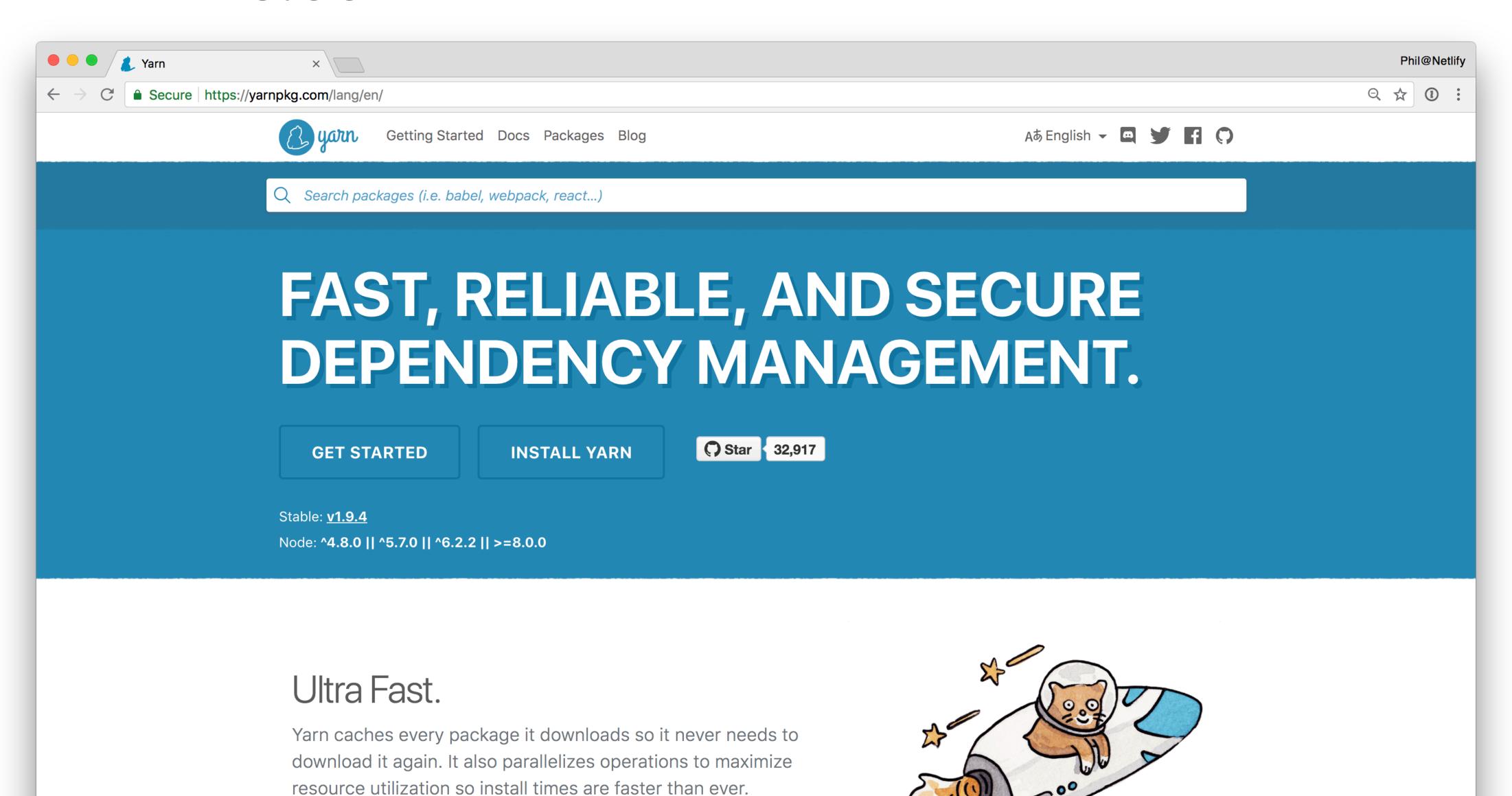


REACTJS.ORG



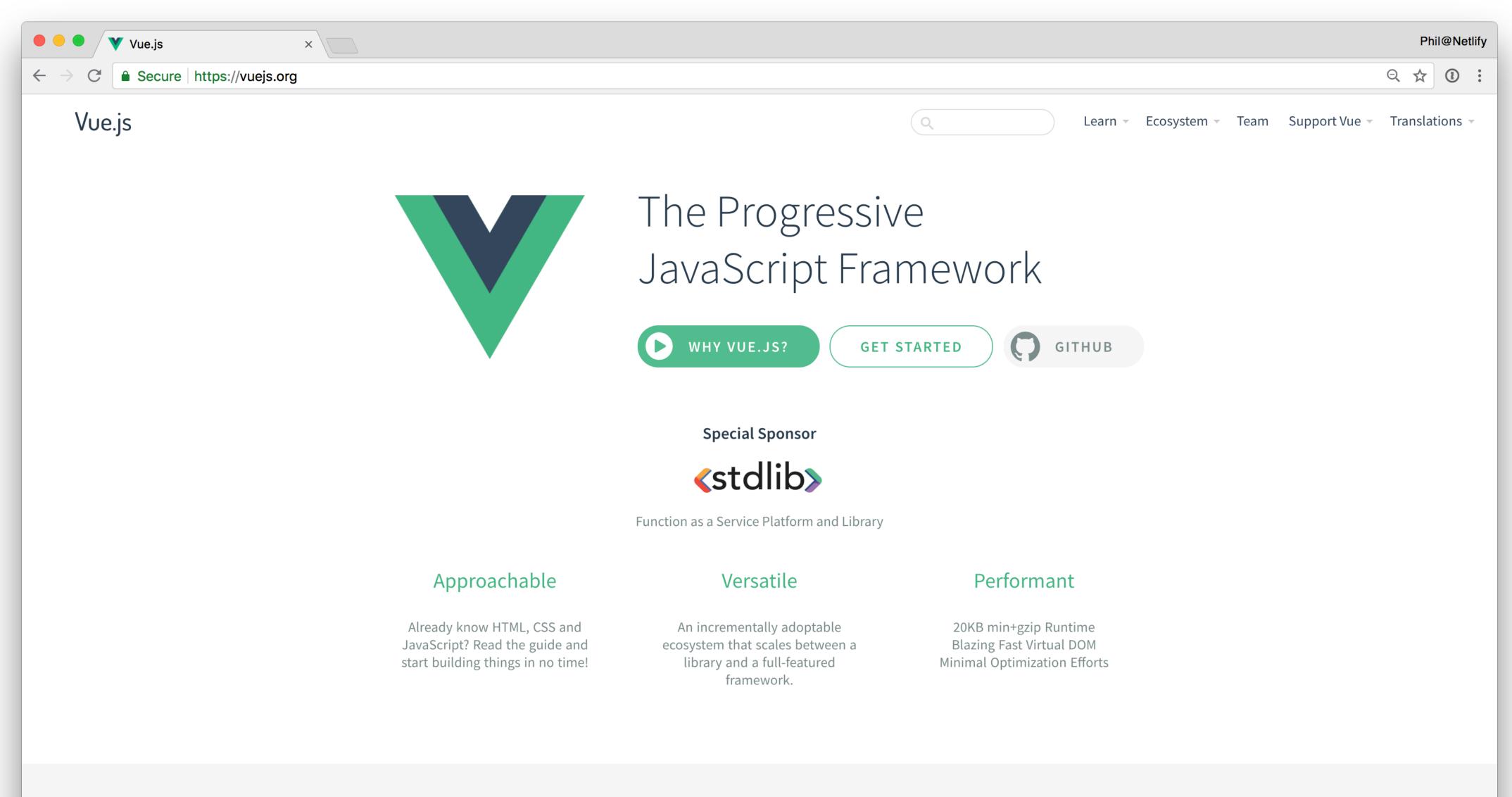


YARNPKG.COM



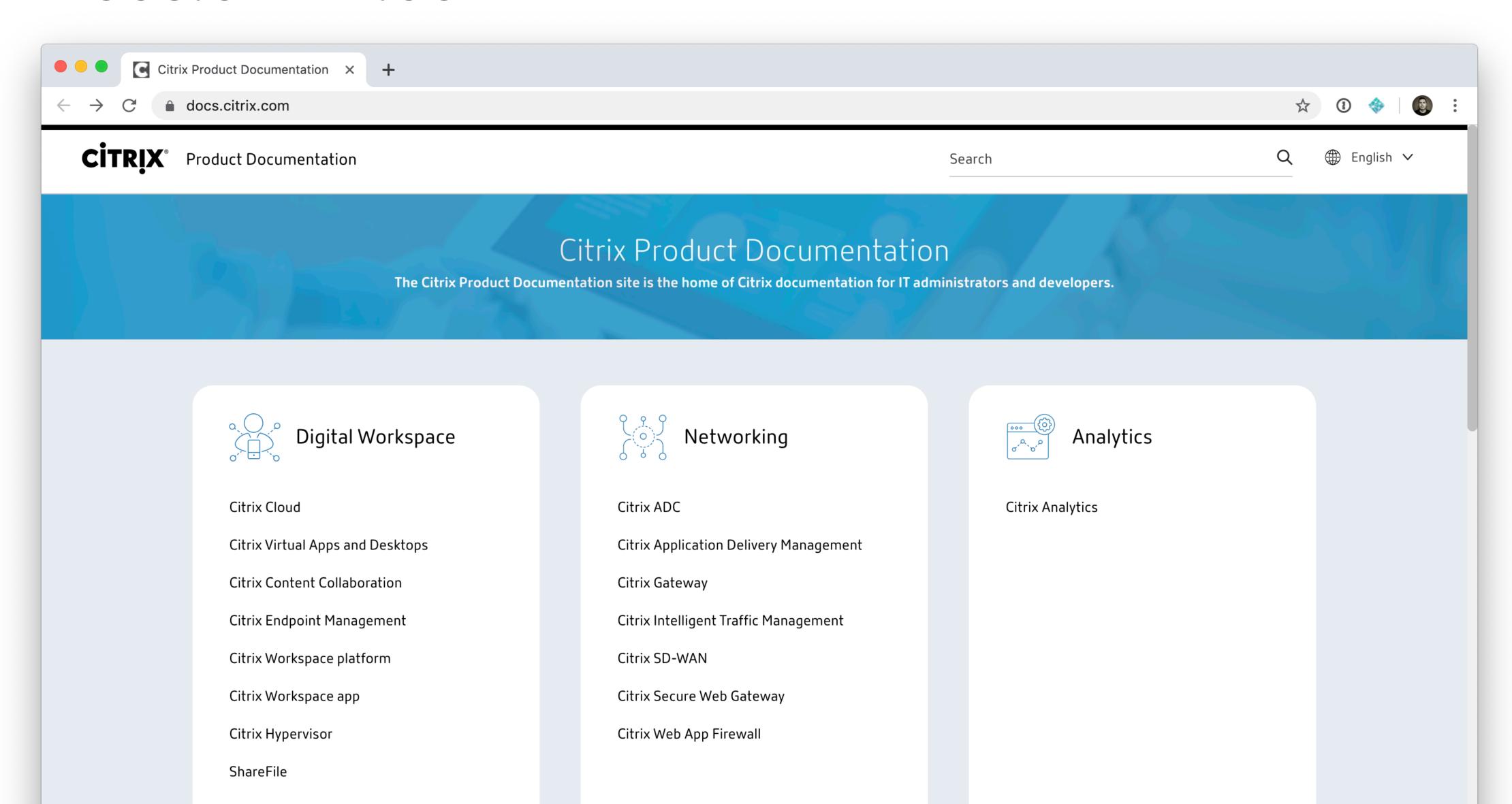


VUEJS.ORG





DOCS.CITRIX.COM



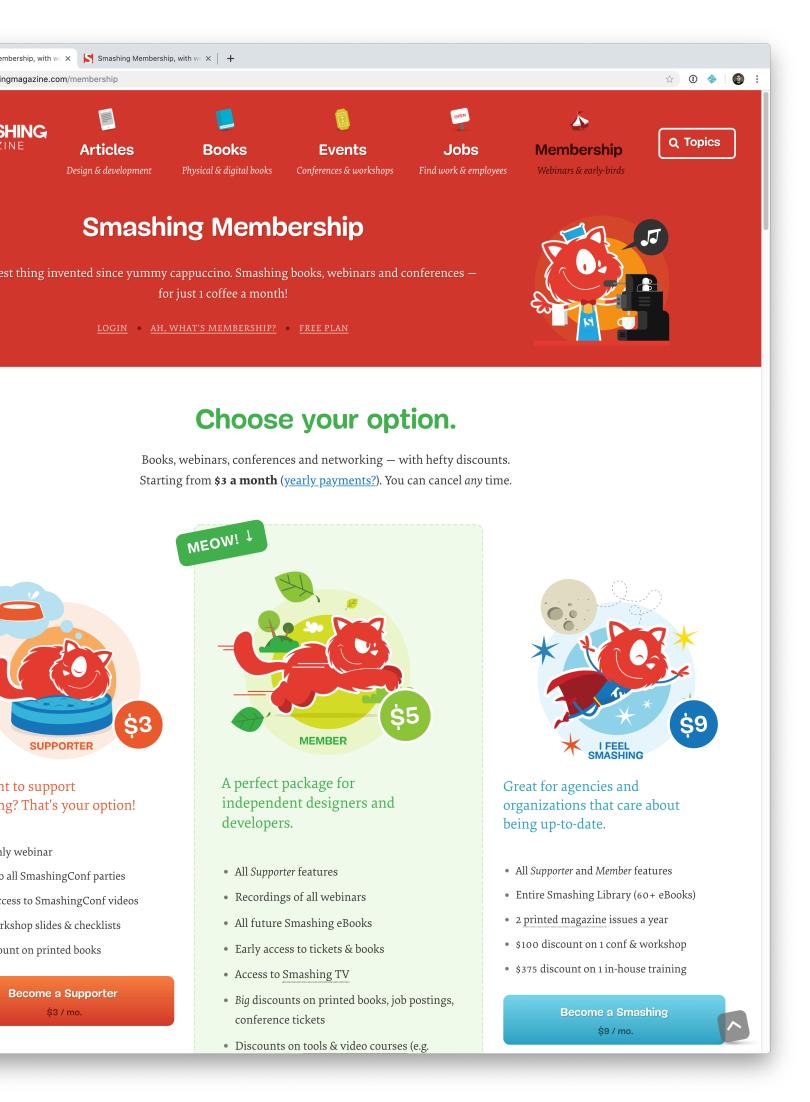
TURNAROUND TIME FOR UPDATES WENT FROM WEEKS TO MINUTES

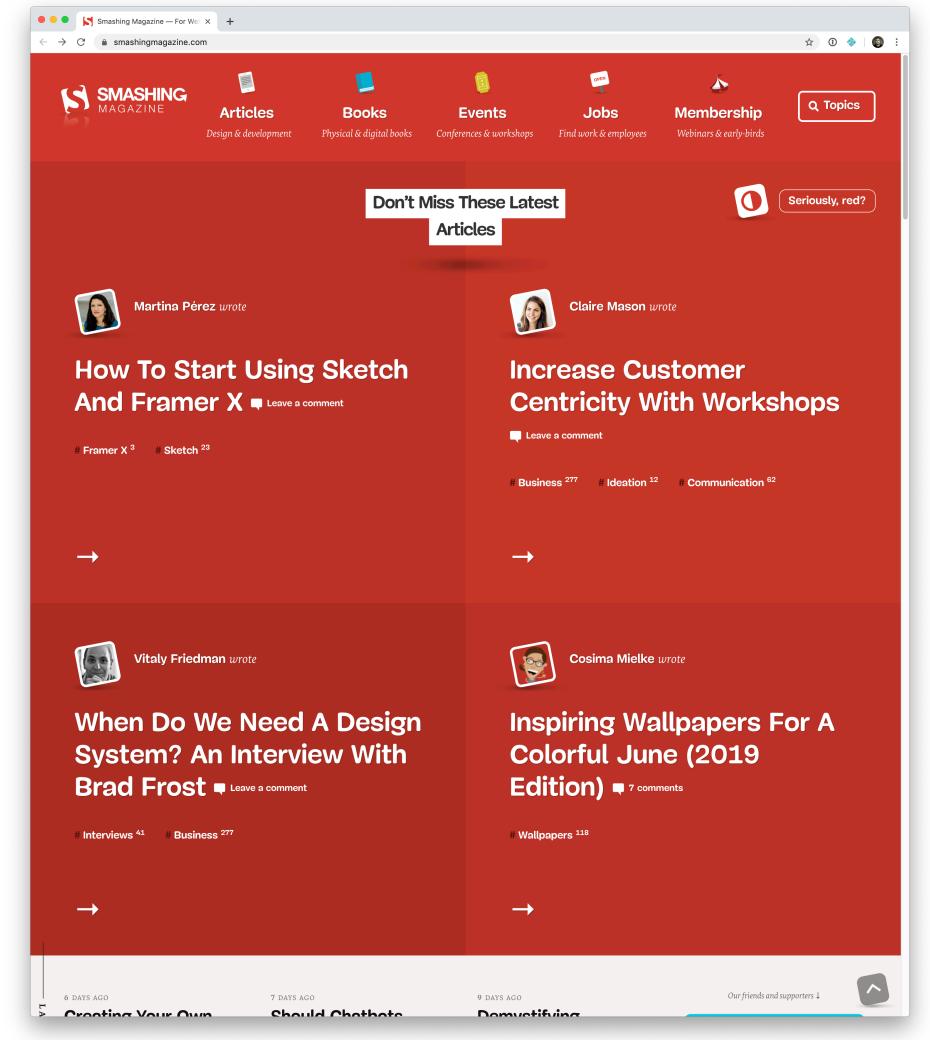
BETH POLLOCK, CITRIX

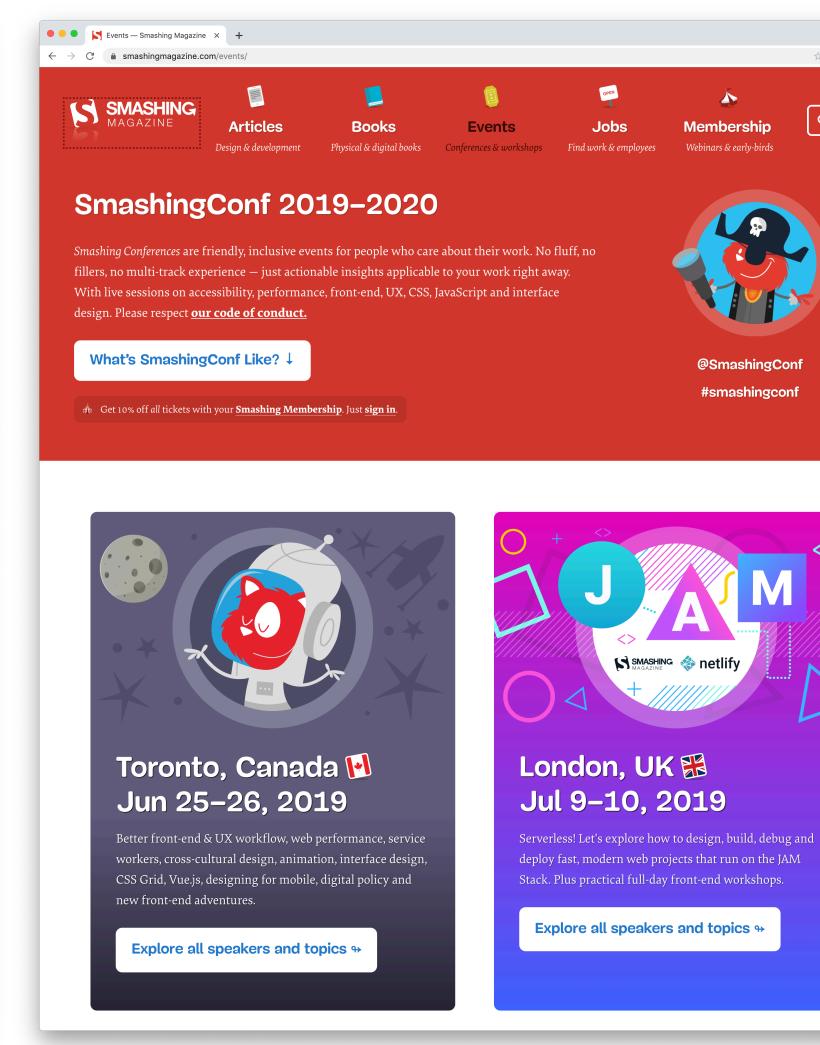


BETH POLLOCK, CITRIX

SMASHINGMAGAZINE.COM









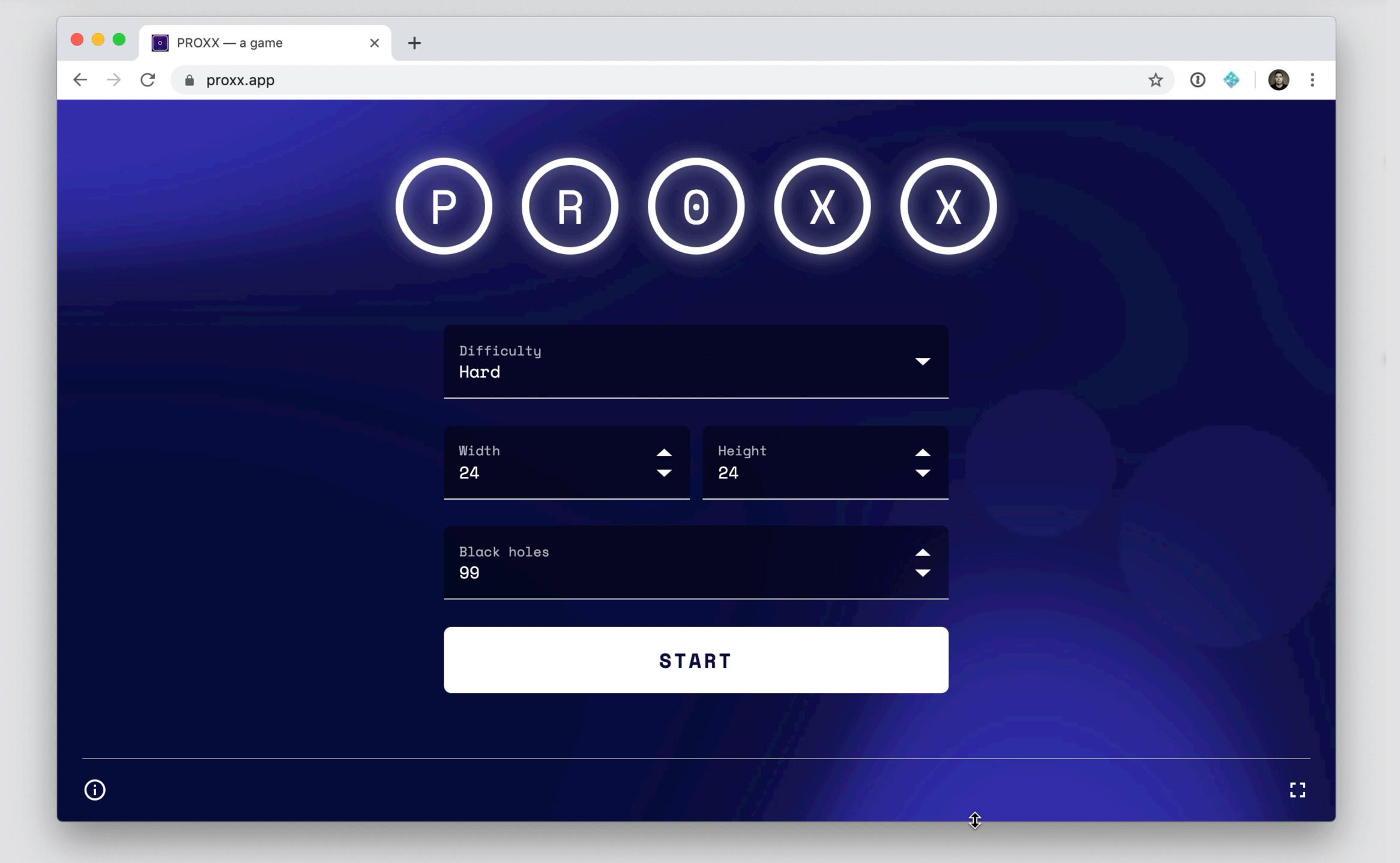
PLATFORMS

WE HAD SOME CACHING ISSUES... WITH PROBABIY FYFRY SINGIF WORDPRESS CACHING PLUGIN

VITALY FRIEDMAN

TIME TO FIRST LOAD

SOUMS SOMS



@philhawksworth

netlify





unaen 5 SEGINIS



WHAT IS THE JAMSTACK?

THE QUESTION WE STARTED WITH



jamstack RENDERED IN ADVANCE sites are NOT DEPENDENT ON AN ORIGIN PROGRESSIVELY ENHANCED IN THE BROWSER WITH JAVASCRIPT



Croate fact and comme cites and dumar

Create fast and secure sites and dynamic apps with JavaScript, APIs, and pre-rendered Markup, served without web servers

STATIC SITE GENERATORS staticgen.com

NETLIFY www.netlify.com

VARIOUS RELATED RESOURCES FROM CHRIS COYIER https://serverless.css-tricks.com/

CITRIX PRESENTATION FROM JAMSTACKCONF NYC youtube.com/watch?v=kvS5h5domf0

JAMSTACK CONFERENCE jamstackconf.com

HEADLESS / DECOUPLED CMS headlesscms.org

ABOUT THE JAMSTACK / COMMUNITY jamstack.org

THE NEW DYNAMIC www.thenewdynamic.org/

OPHILHAWKSWORTH