WHY JAMSTACK? BEYOND STATIC SITES





May 2018





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/'statik/

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



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STATIC

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ARCHIECTURE RESULT

ARCHIECTURE EMPERIENCE!

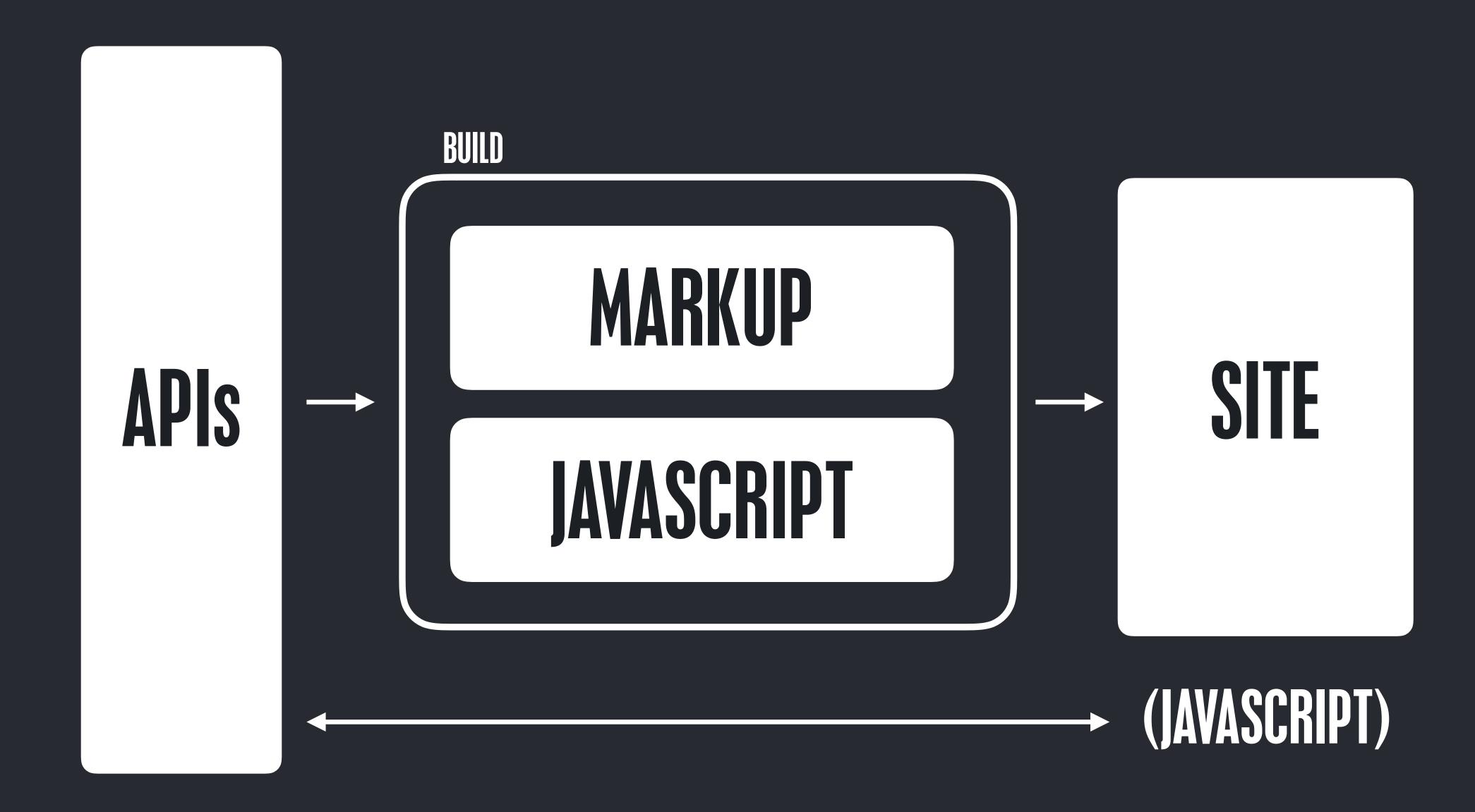
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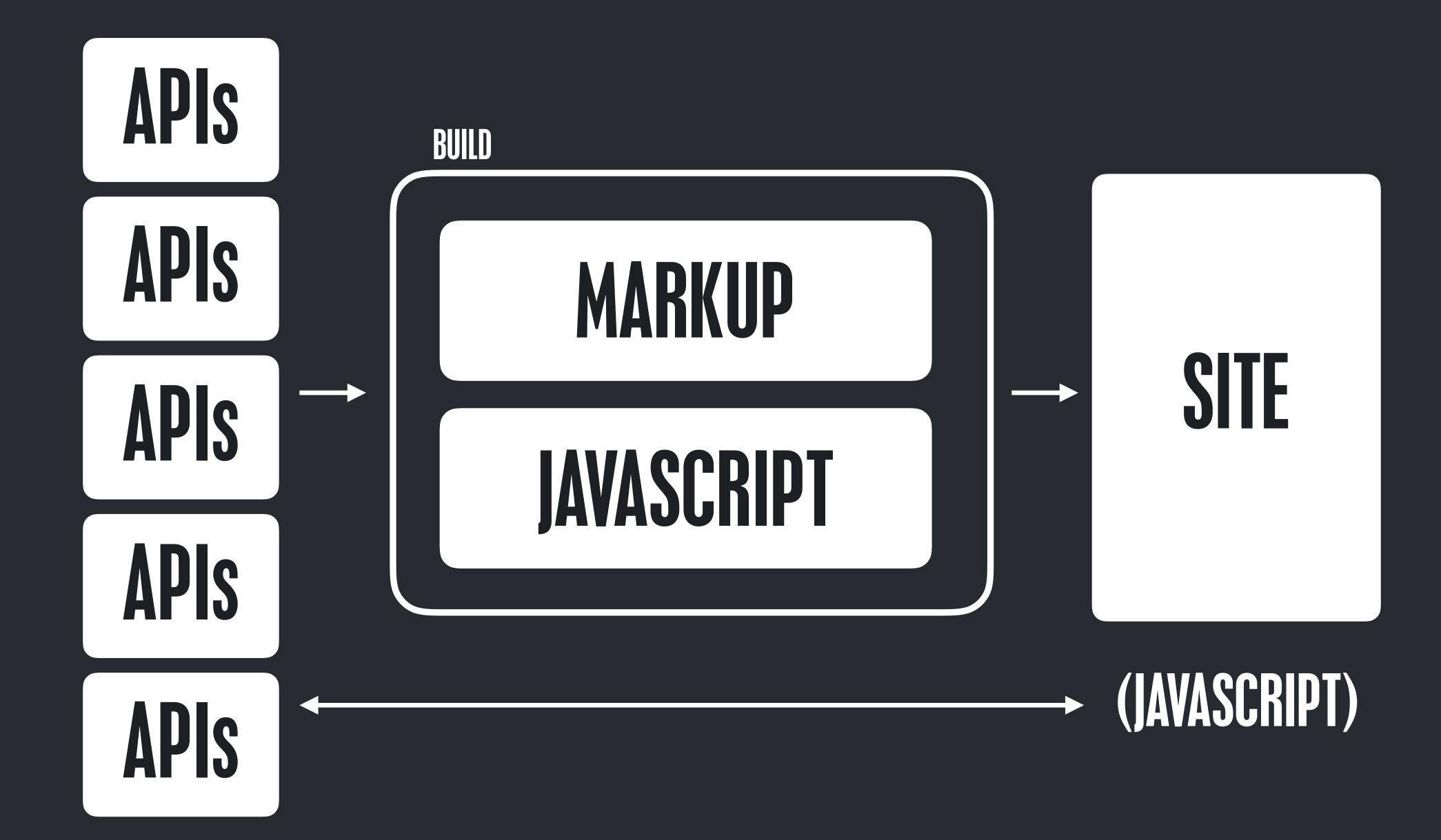


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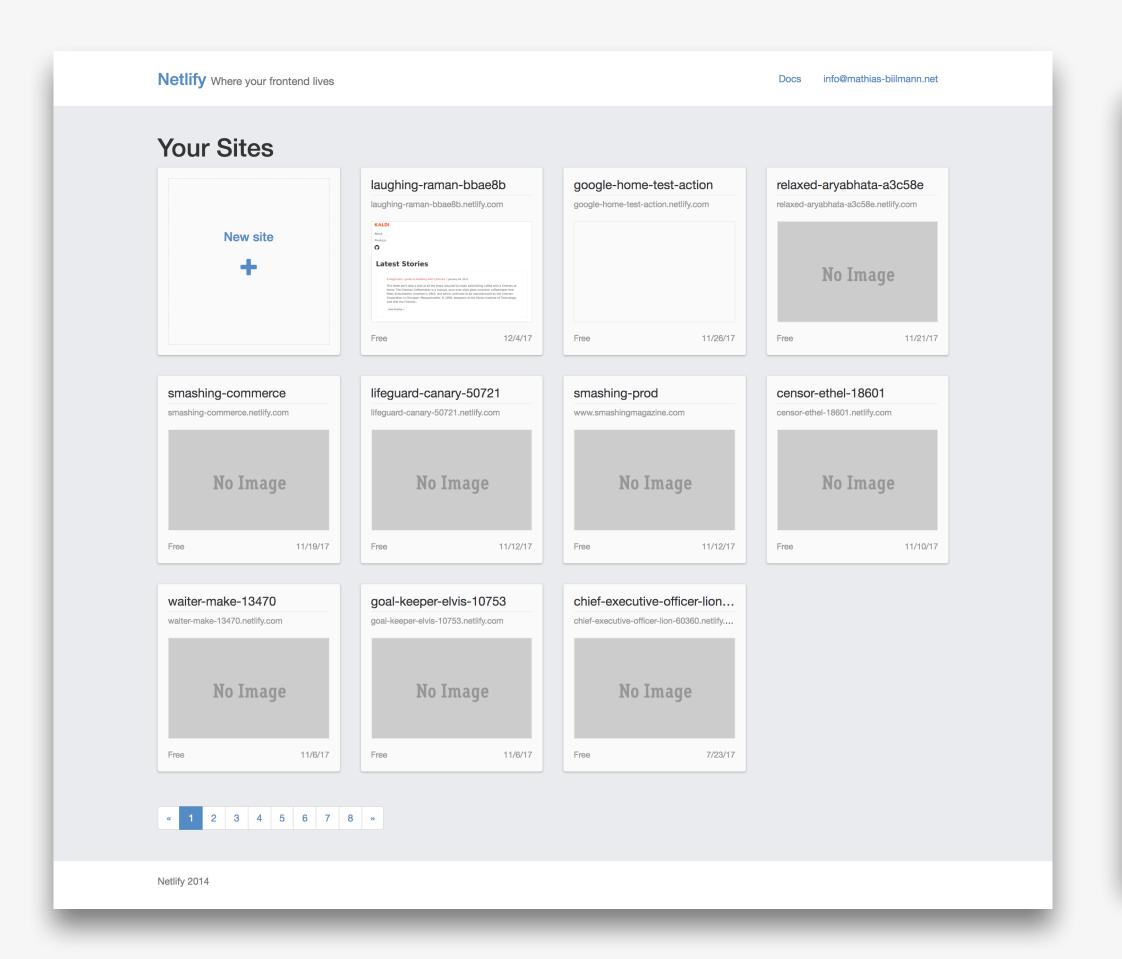


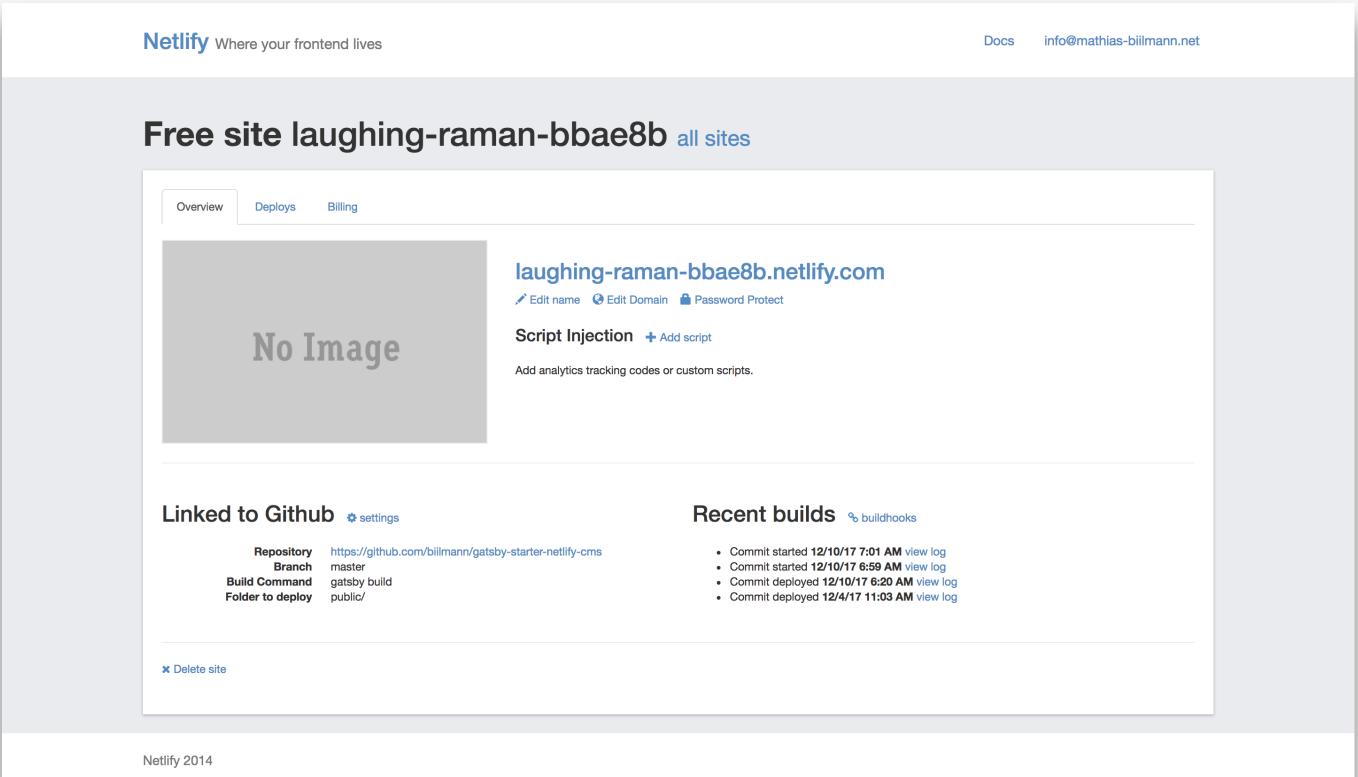


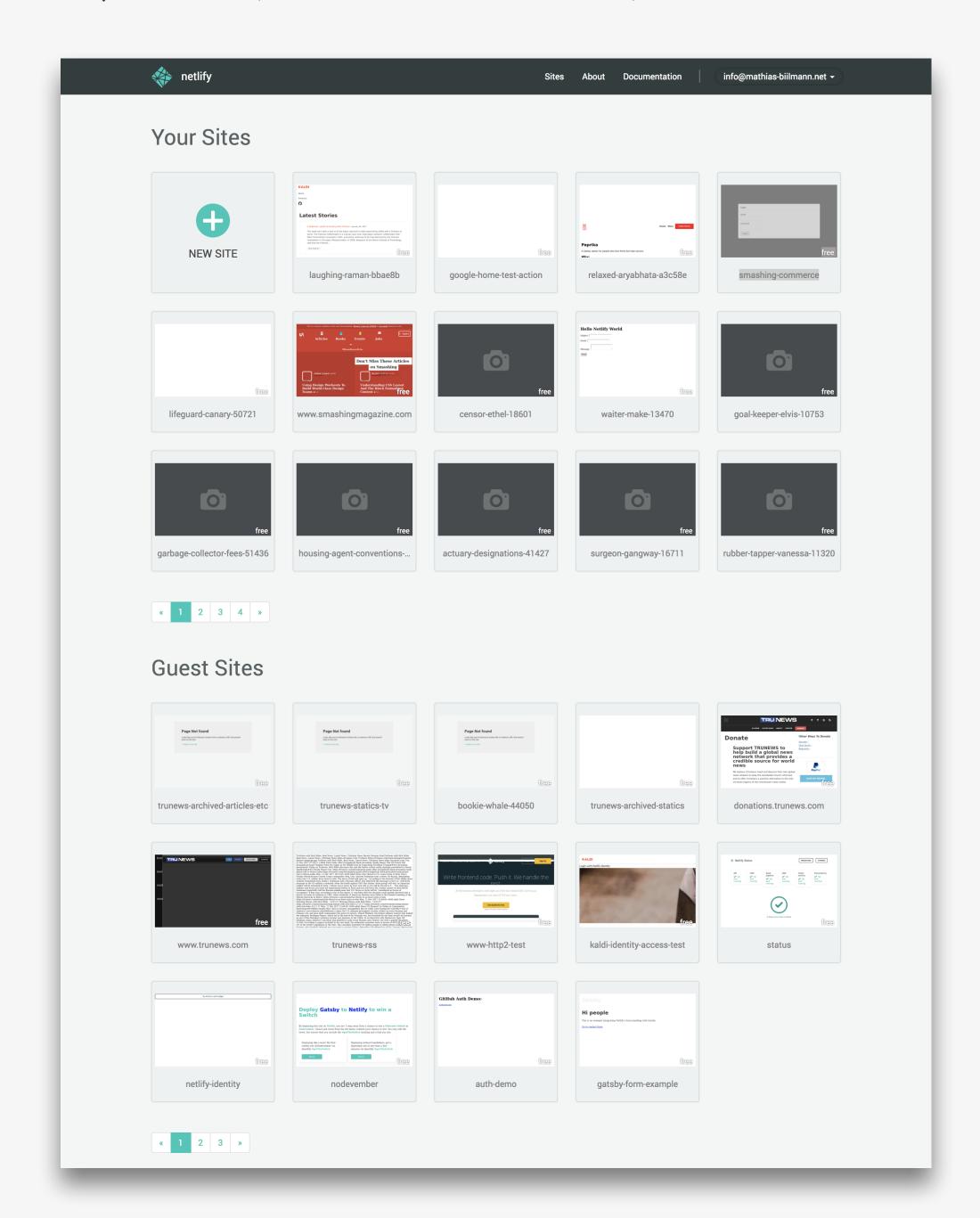
DECOUPLING

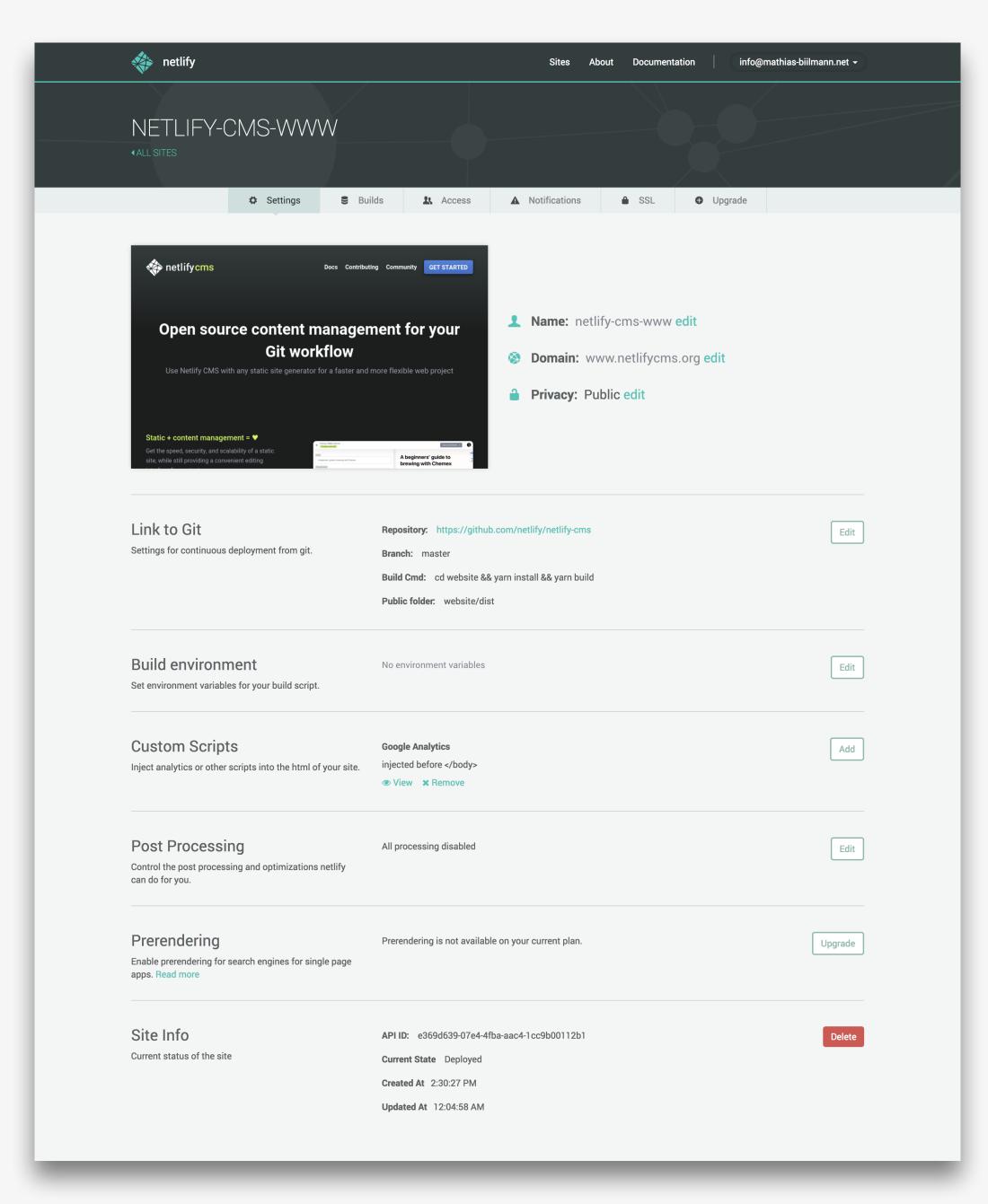


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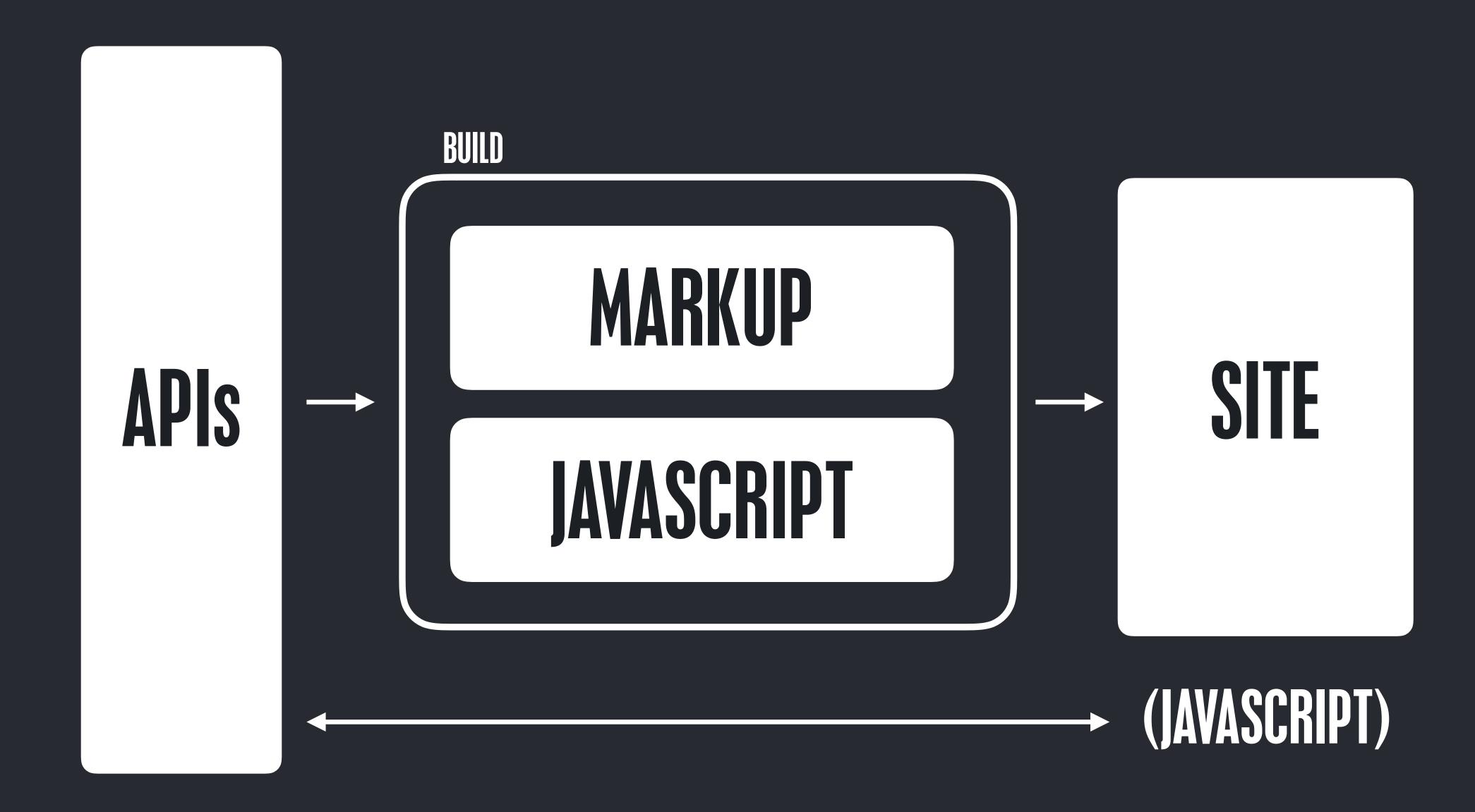






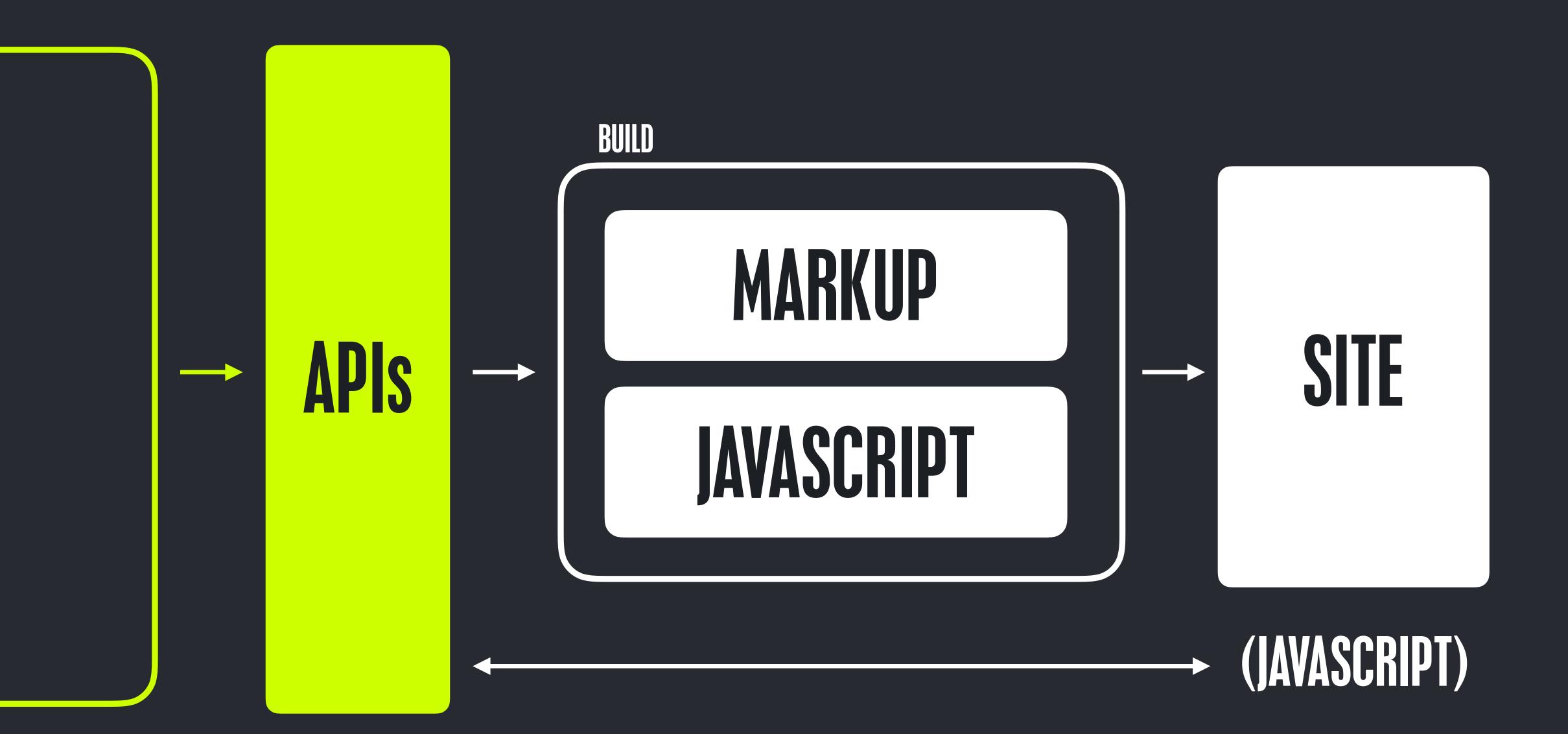
Netlify > netlify-cms-www

Overview Deploys Forms Split Testing Identity Settings netlify-cms-www https://www.netlifycms.org Deploys from GitHub. Last update at 12:04 am. Site settings Domain settings Production deploys **11** Deploy Previews Deploy Preview #912: master@62e718d Deploy Preview #912: master@62e718d 12:02 am: Add collapse all/expand all ... 12:02 am: Add collapse all/expand all ... Production: master@24307e3 PUBLISHED Deploy Preview #560: gentle-reauth@8f69f0e Dec 11: Correct spelling mistakes. (#8... Dec 11: Gentle re-authentication mod... Production: master@b371fe6 Deploy Preview #560: gentle-reauth@9937289 Dec 11: Add external oauth (#913) Dec 11: Gentle re-authentication mod... Deploy Preview #912: master@182c053 Deploy Preview #560: gentle-reauth@54dc694 Dec 11: Add collapse all/expand all to ... Dec 11: Gentle re-authentication mod... Active Split Test Recent form submissions **Collect form submissions** Split traffic to multiple branches Netlify supports automatic collection of form submissions for any Split the traffic to your main domain between two or more branches, HTML form on your site, with no database required. Trigger an email, with no performance loss. Set up easy A/B tests with one click, slack notification, or webhook with each form submission. leveraging edge node logic requests. Read about form handling in our documentation → Start a Split Test → **Docs Support News Terms**



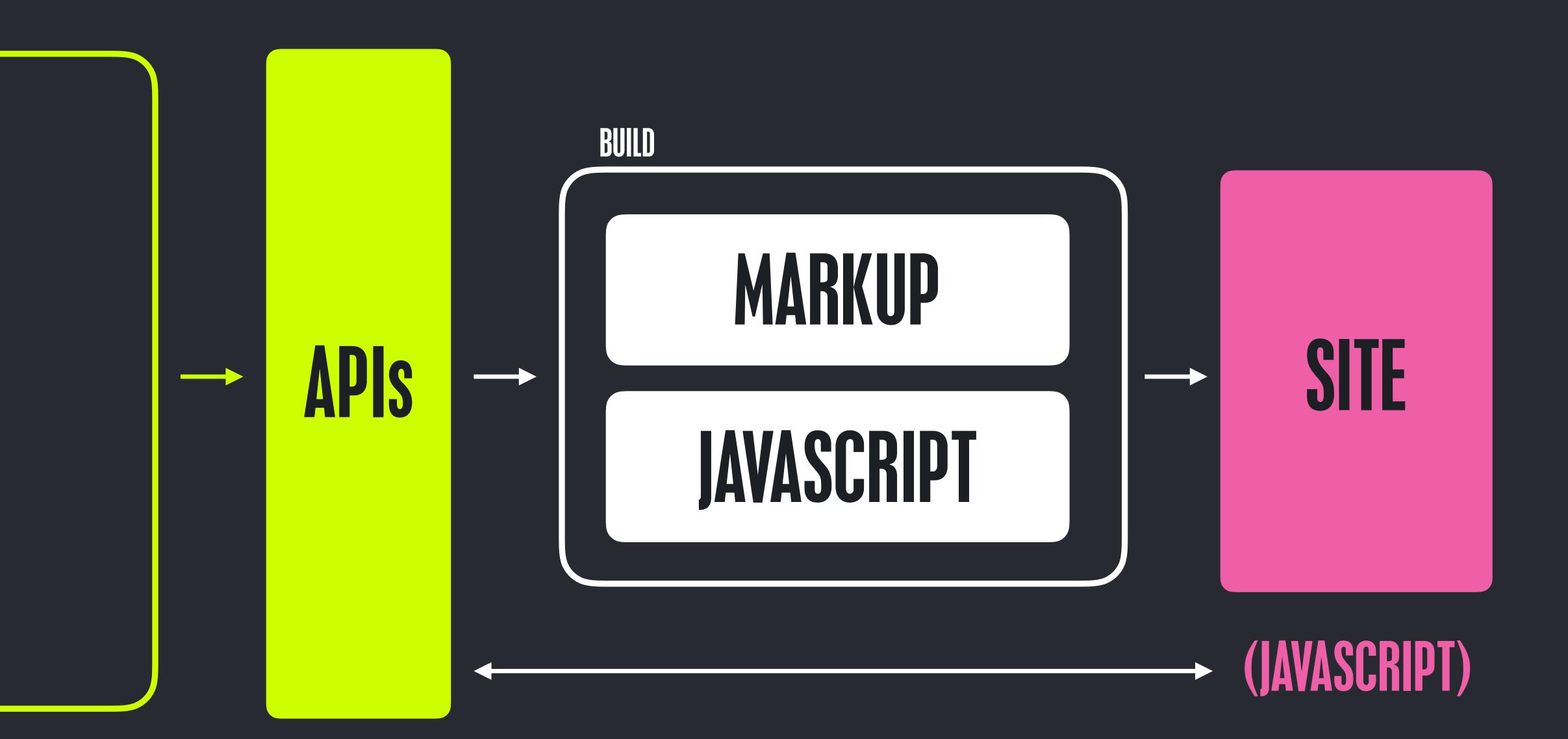


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CONTENT / ASSETS / AUTHENTICATION / E-COMMERCE / EVENTS

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TOOLBELT

TOOLBELT

BUILD AUTOMATION ACTION TRIGGERS APIS

TOOLBELT

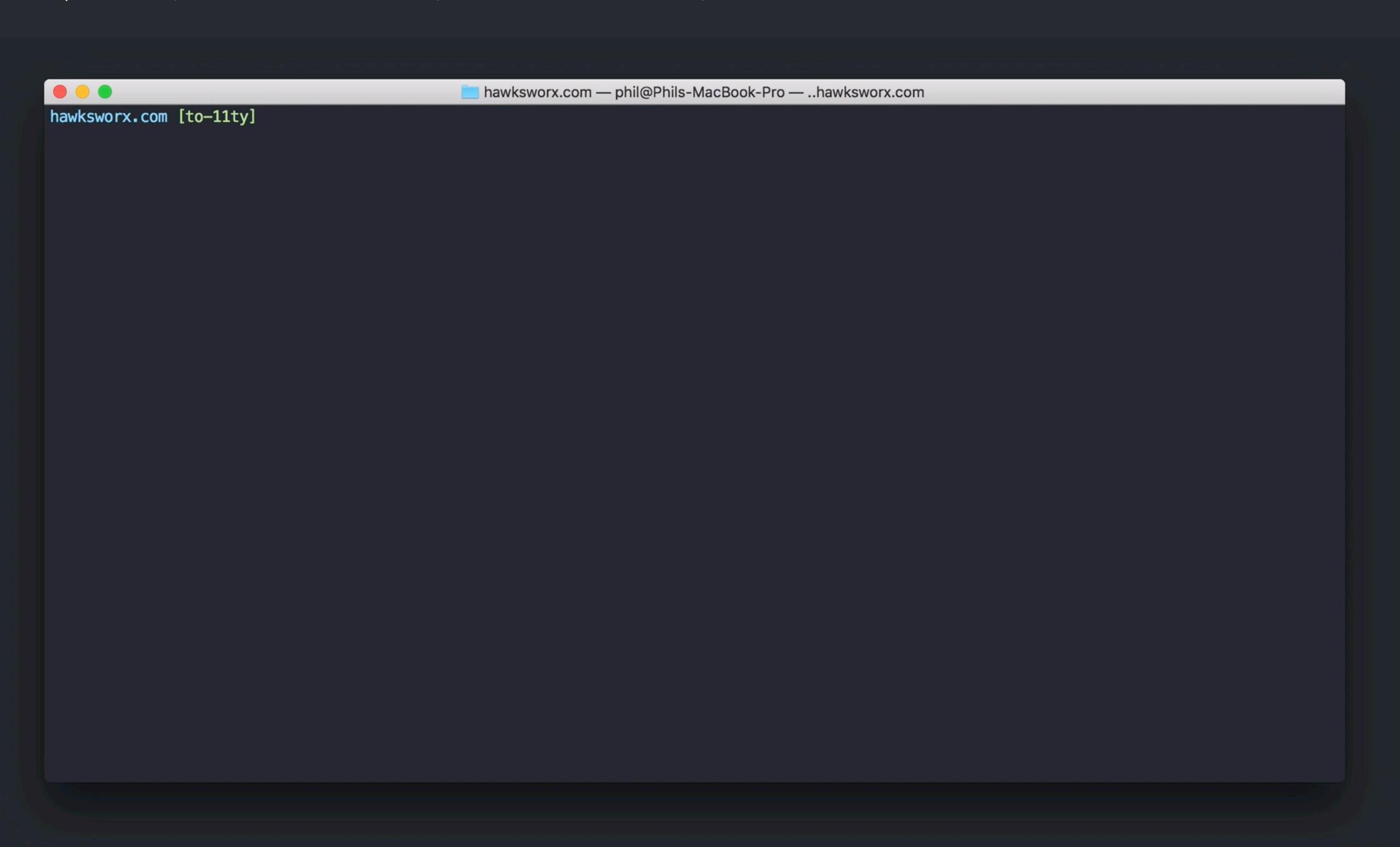
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Beyond static May 2018 @philhawksworth





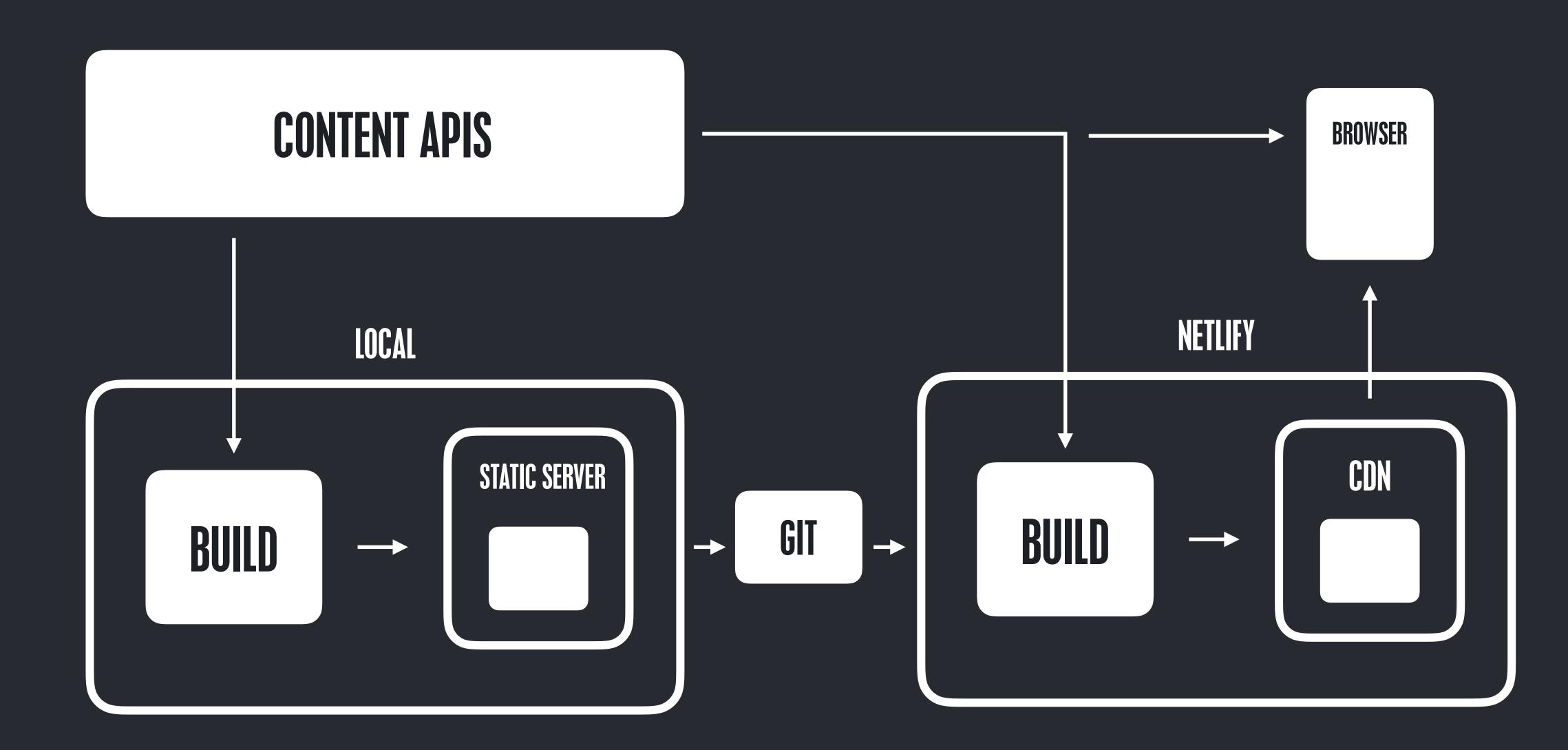




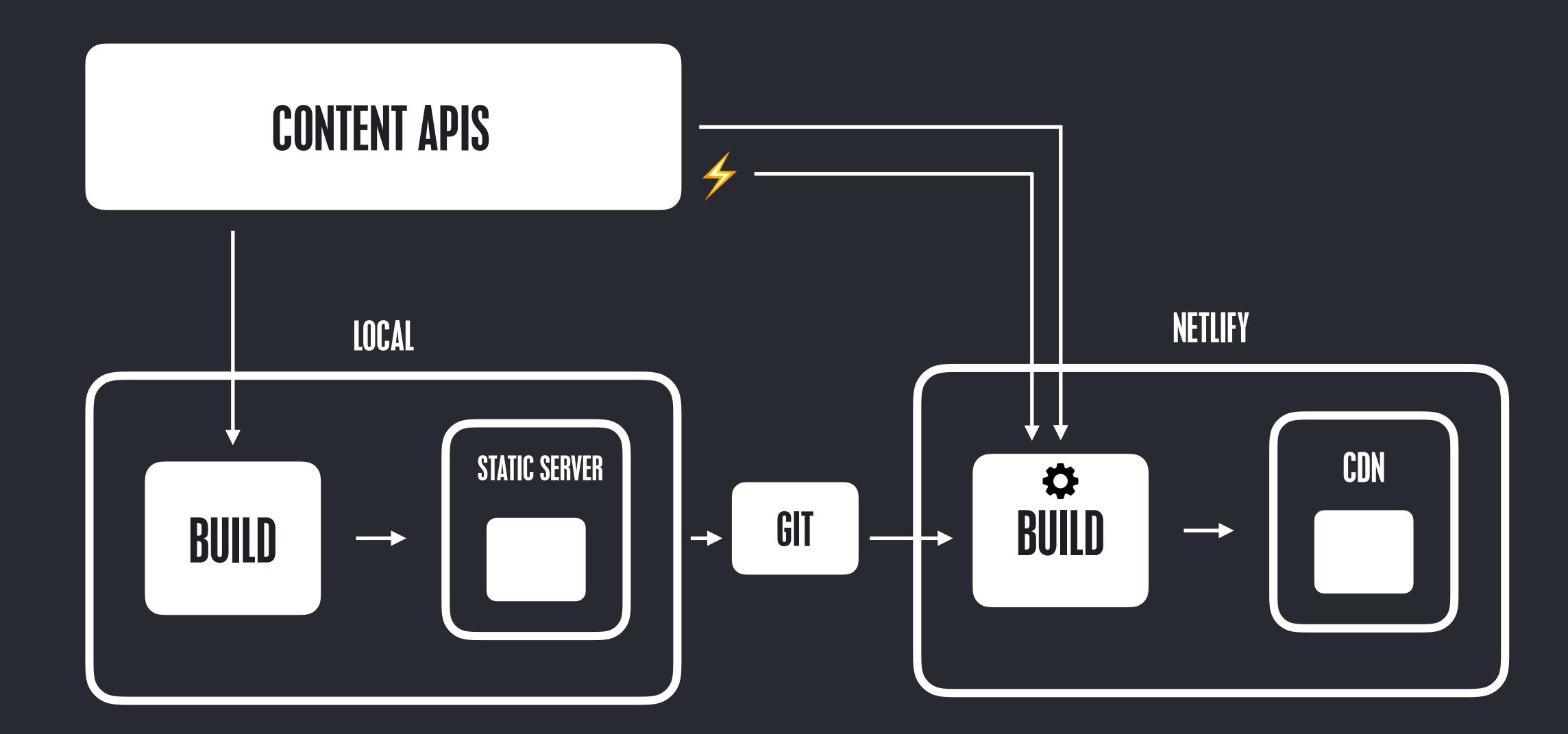
BUILD AUTOMATION

TESTS / CONTENT GATHERING / SITE GENERATION / OPTIMSATION / DEPLOY





BUILD AUTOMATION ACTION TRIGGERS



BUILD AUTOMATION ACTION TRIGGERS EVENTS

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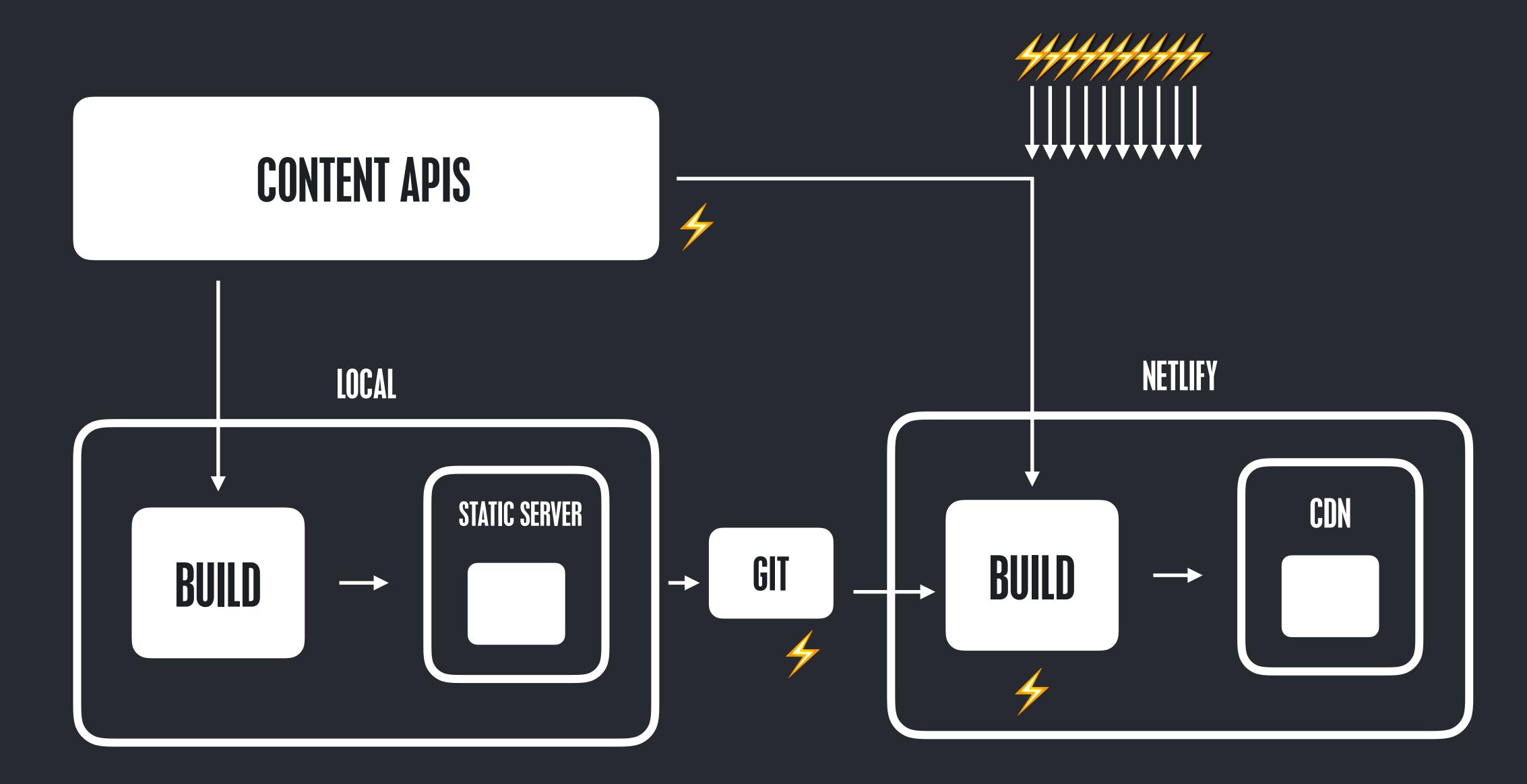




EXTERNAL

FORM SUBMISSIONS CONTENT UPDATES ACTIVITY DETECTION SCHEDULED EVENTS GIT ACTIVITY

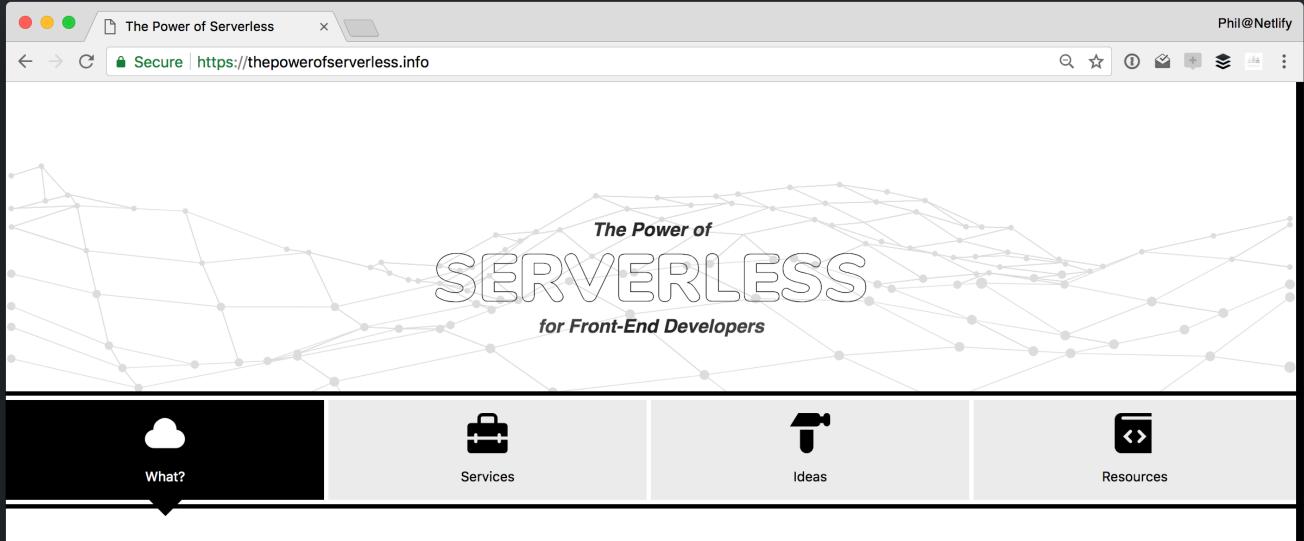
FORM SUBMISSIONS
BUILD/DEPLOY EVENTS
SPLIT TEST EVENTS
IDENTITY SERVICE EVENTS



BUILD AUTOMATION ACTION TRIGGERS APIS

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CONTENT / ASSETS / AUTHENTICATION / E-COMMERCE / EVENTS



Serverless.

It's kind of a phenomenon. Let's get one thing out of the way: it still involves servers, so that word *serverless* might feel a bit disingenuous. It's actually a new way to pay for and work with servers that, in many cases, is *cheaper* and *easier* than buying and managing your own servers.

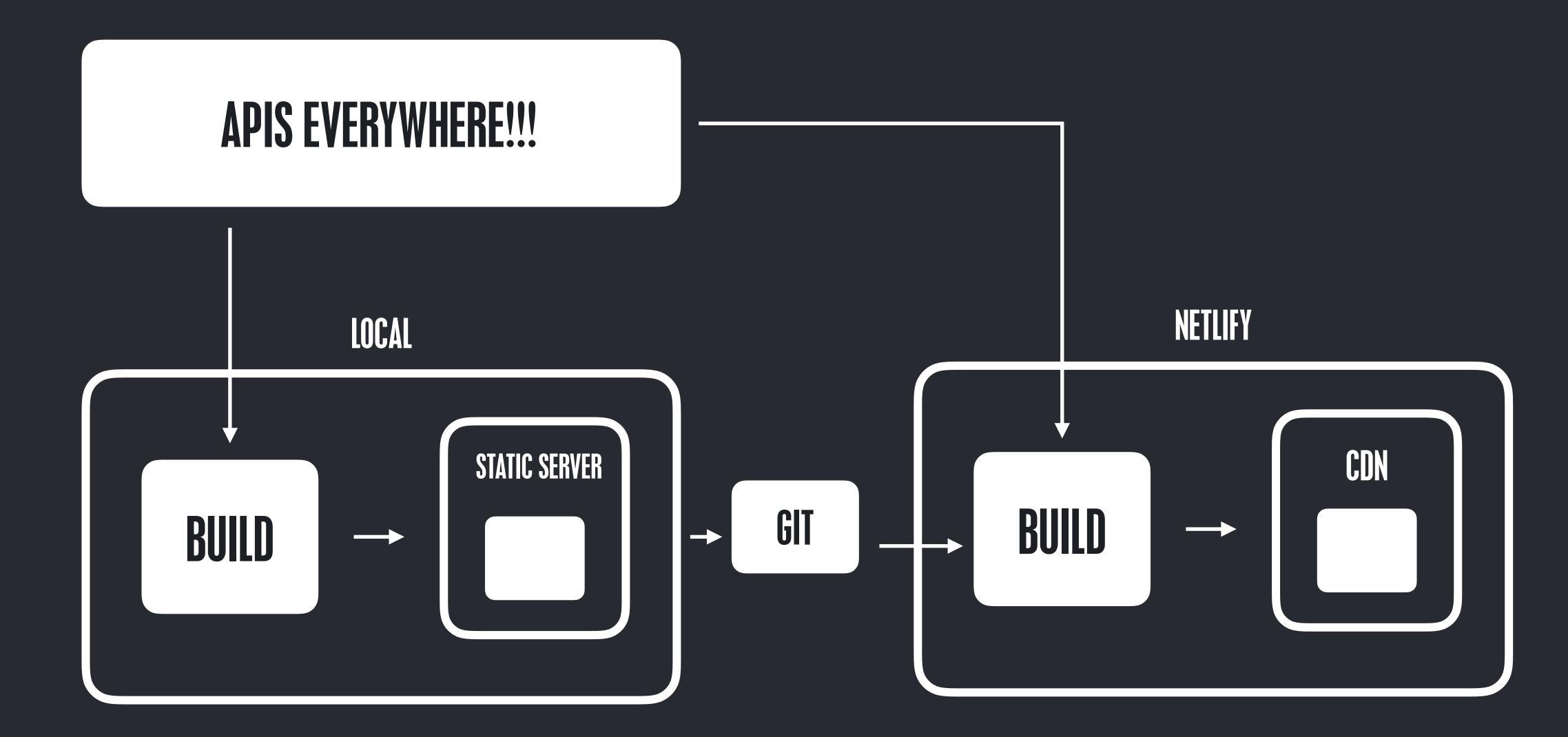
Web developers of all kinds can take advantage of it, but this site is particularly interested in how it relates to and helps front-end web developers. Here's one way to think about it: you can take your front-end skills and do things that typically only a back-end can do. You can write a JavaScript function that you run and receive a response from by hitting a URL. That's sometimes also called *Cloud Functions* or *Functions* as a *Service*, which are perhaps better names, but just a part of the whole serverless thing.

Here's an empowering example: saving and reading things from a database. That's right! It's possible to have a database and deal with it entirely through front-end code. Technically, the database still exists on a server (someone's else's computer, as the famous sticker says), but you don't need to spin up your own server for it to have a home.

Why bother with doing a database this way? For one thing, it means you can host the rest of your site much more easily. Wanna build a React-powered blog on GitHub pages? You totally can! Wanna use the super fast static file host Netlify to build a Yue powered portfolio site? Do it

FAAS PROVIDERS HOSTING FORM HANDLING PAYMENTS HEADLESS CMS MEDIA STORAGE NOTIFICATION SERVICES SEARCH PUSH NOTIFICATIONS AUTH

thepowerofserverless.info



BUILD AUTOMATION ACTION TRIGGERS SERVERLESS

I ABSOLUTELY POSITIVELY NEED A LITTLE LOGIC ON A SERVER



SERVERIESS

SECRETS PROXIED API CALLS DATA A LITTLE DYNAMISM

ALLTOGETHER

BUILD AUTOMATION ACTION TRIGGERS EVENTS APIS SERVERLESS



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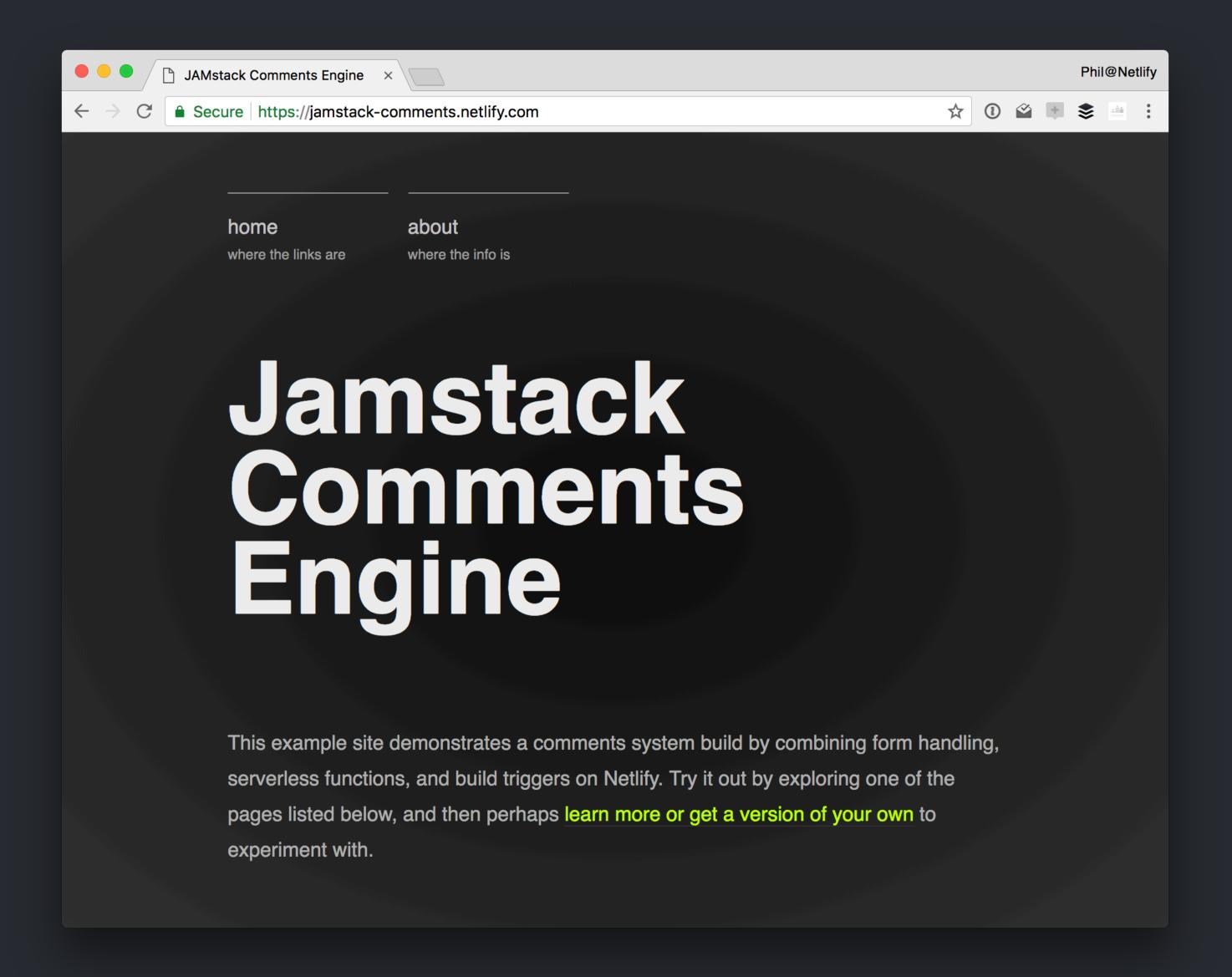
WOULD DO A LIVE DEMO OF ALL OF THESE MOVING PARTS AT ONCE



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MOVING PARIS AT ONCE



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THANKS OUESTIONS!

