

JAMStack on Azure

Cloud ready architecture for web sites

Guess the stack

*10 pages of intranet information.
Campus overview, organisational
charts and most important
telephone numbers. Updated 2-3x
per year*

Liferay Portal

Foodie-Facebook! 1000s of members put recipes online, like and share. They can put recipes on their weekly food plan.

Coaches can comment and help adjusting.

Wordpress

An event page, where people can select seats and tickets to a multitude of events in real-time.

They can reserve seats for friends who can buy within a couple of hours.

A Java enterprise application

An event page, where people can select seats and tickets to a multitude of events in real-time.

They can reserve seats for friends who can buy within a couple of hours.

A Java Enterprise application, publishing 20 JSON files and 7 PHP scripts every other hour. PHP app communicates synchronously with a payment system via insecure HTTP

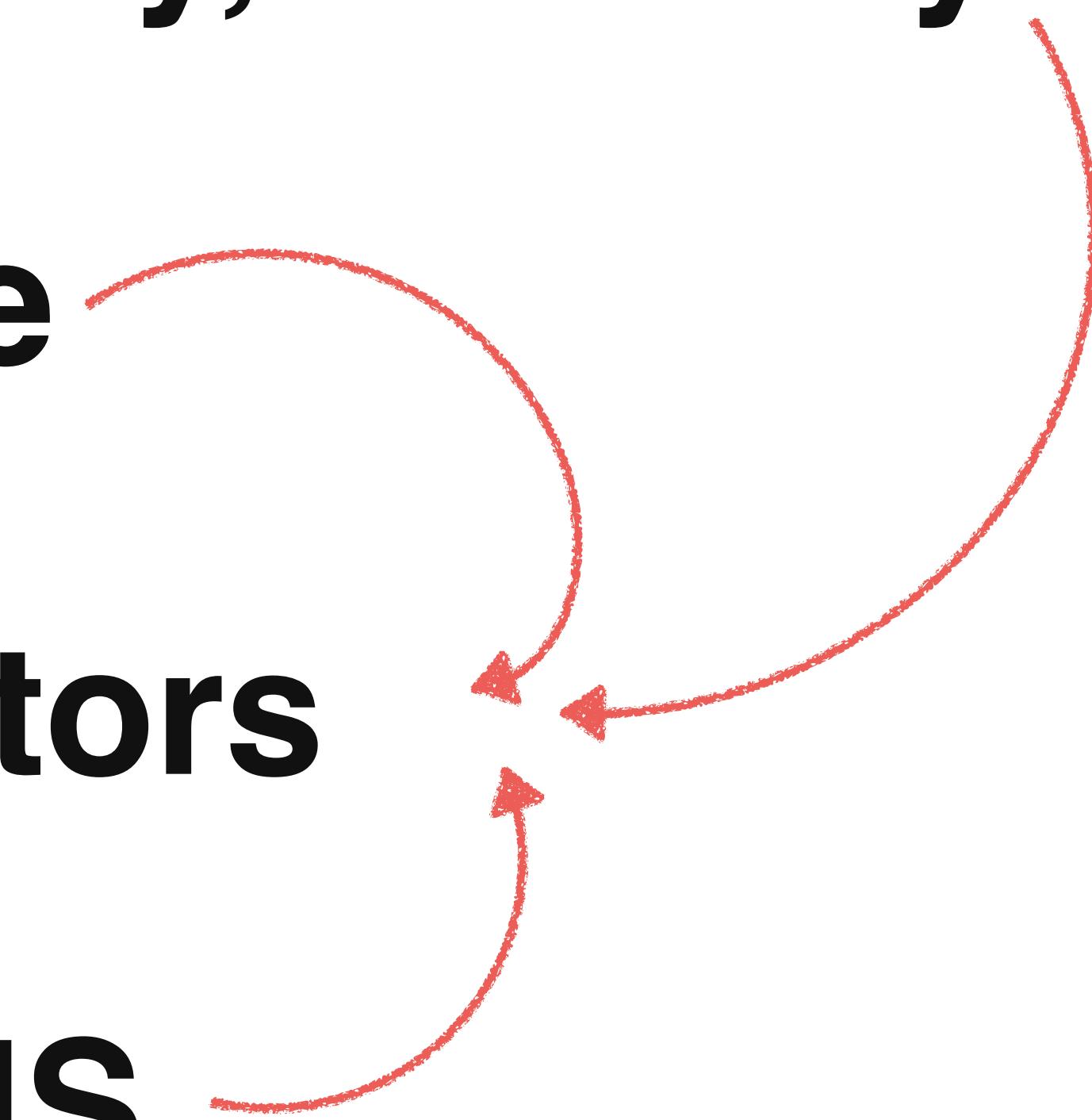
The tools of our trade

Hosting: Availability, stability, security

Applikation: Process, state

CMS: Data, structures, editors

Front-End: Markup, CSS, JS



Technology Lock-In

Hosting: Availability, stability, security

Applikation: Process, state

CMS: Data, structures, editors

Front-End: Markup, CSS, JS

Front-End

The image shows a web browser window with four tabs open, each displaying a different templating language:

- Nunjucks**: A dark-themed page with a green header.
- Twig**: A dark-themed page with a green header.
- Handlebars.js: Minimal Template**: A dark-themed page with a green header.
- Liquid**: An orange-themed page with a large "Liquid" logo.

The Liquid tab is active, showing the following content:

Liquid

Safe, customer-facing template language for flexible web apps.

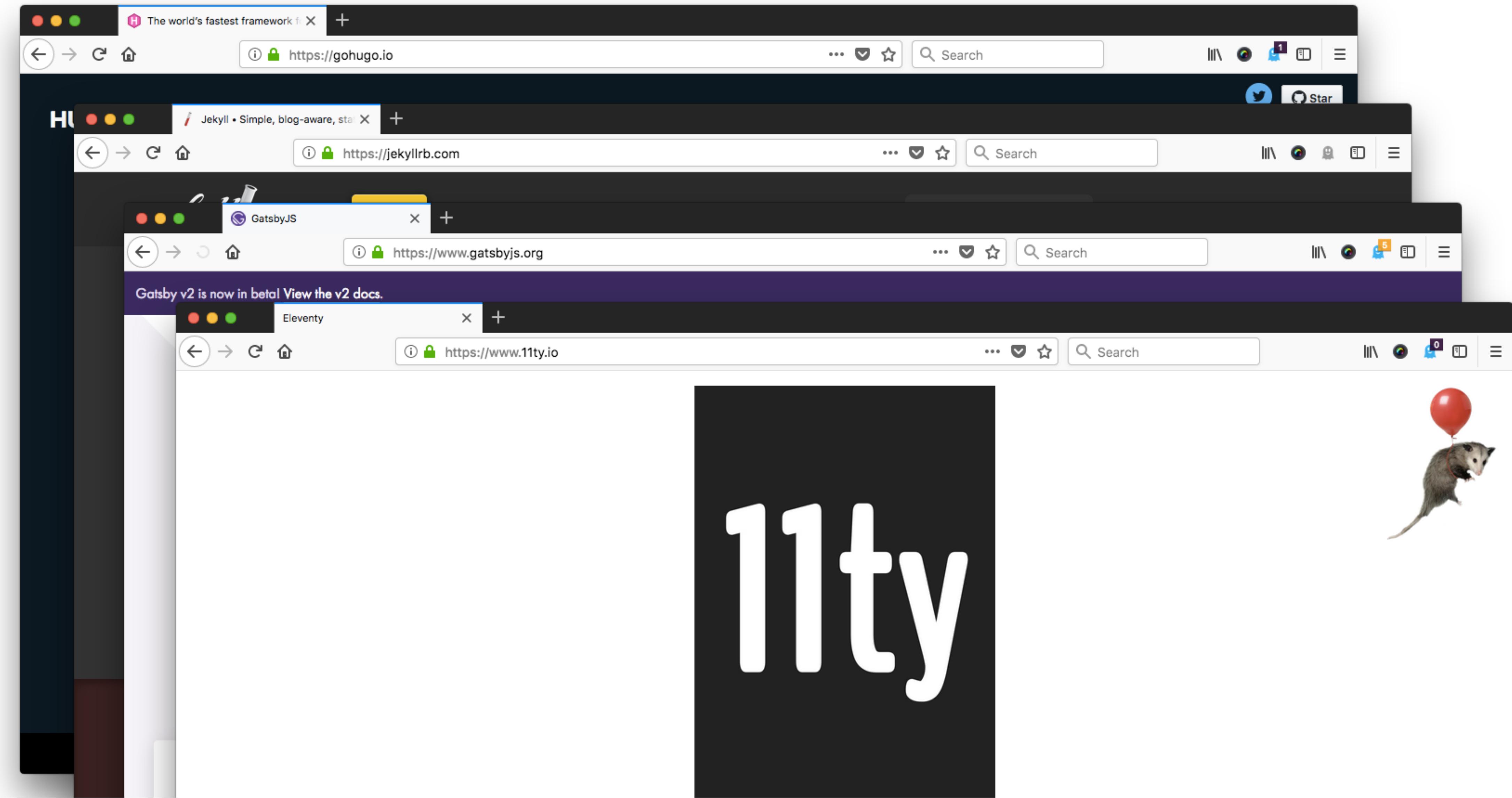
[Download](#) [View on GitHub](#)

Liquid is an open-source template language created by [Shopify](#) and written in Ruby. It is the backbone of Shopify themes and is used to load dynamic content on

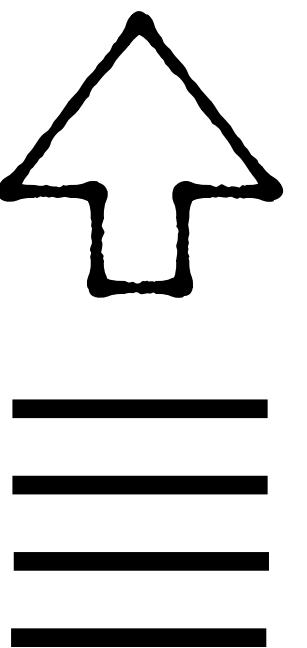
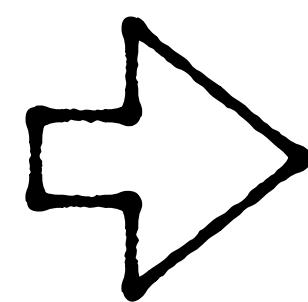
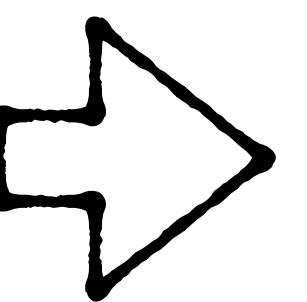
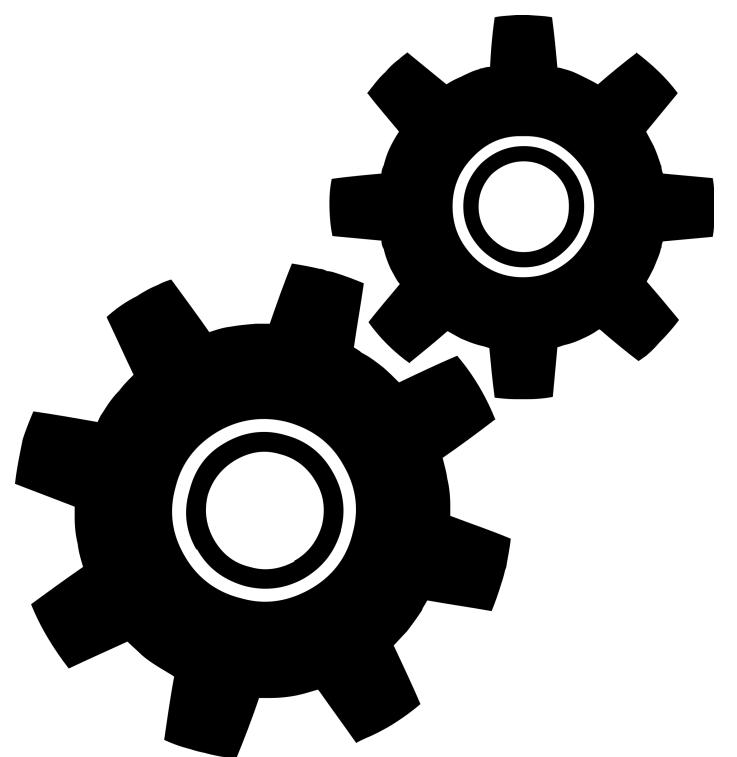
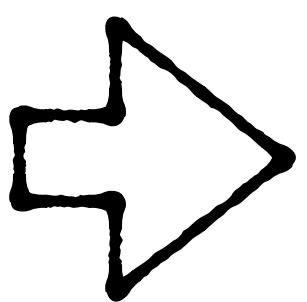
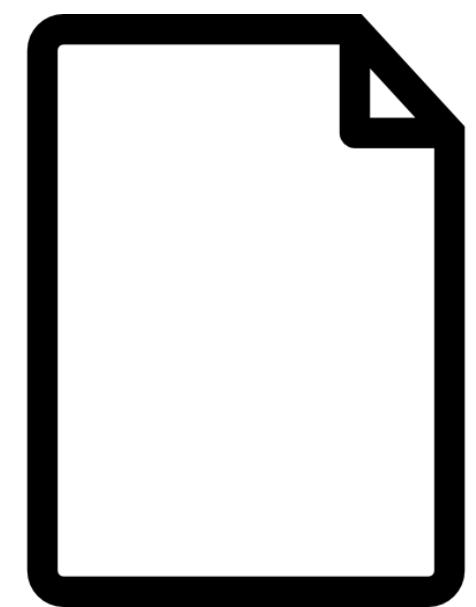
Templating languages



Used by



Static site generators



```
<!doctype html>
{%
  if page.lang %
<html lang="{{ page.lang }}>
{%
  else %
<html lang="en">
{%
  endif %
<head>
  {% include partial/head.html
</head>
<body {% if layout.mainClass %}

  {% include partial/header.htm
    {{ content }}

  {% include partial/footer.htm

</body>
</html>
```

title: "Wordpress as CMS for your JAMStack sites"
published: true
permalink: /wordpress-and-jamstack-sites/
layout: post
categories:
- Node.js
- Static site generators
- JAMstack

The almighty JAMStack brings you fast and secure static websites, and) they become even easy to edit! However, every once in a while you w [Calypso](<https://developer.wordpress.com/calypso/>).

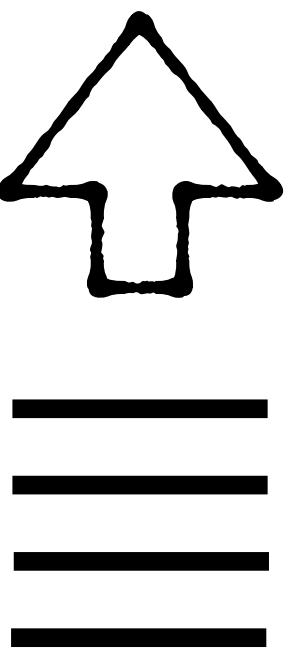
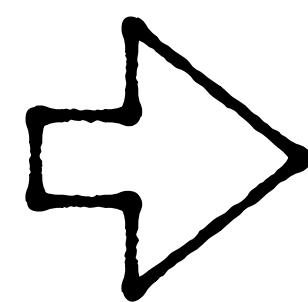
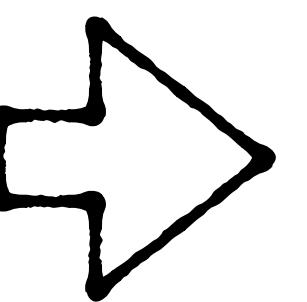
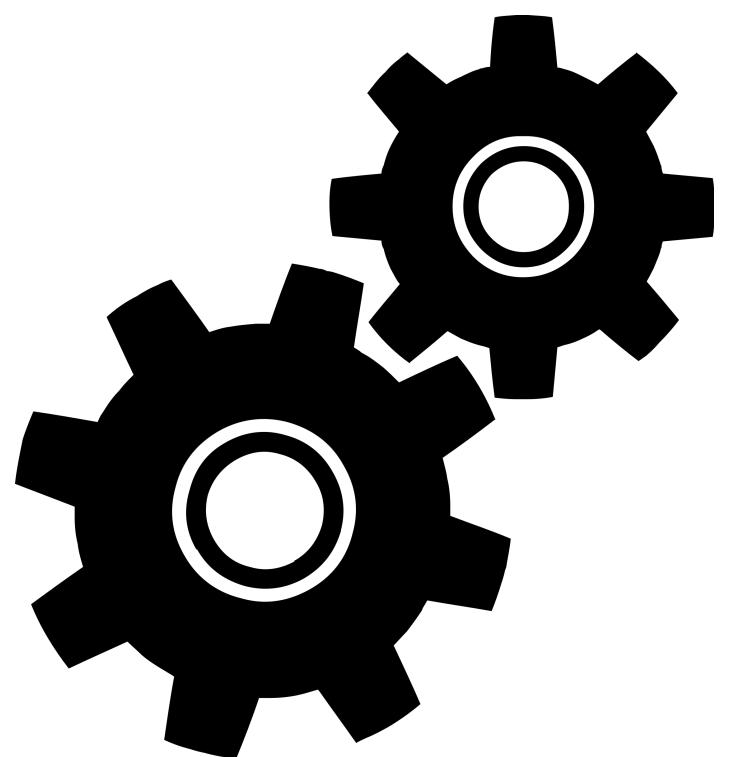
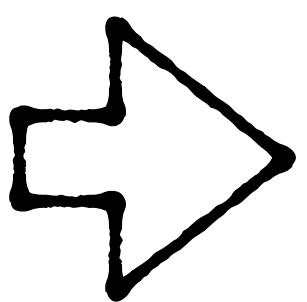
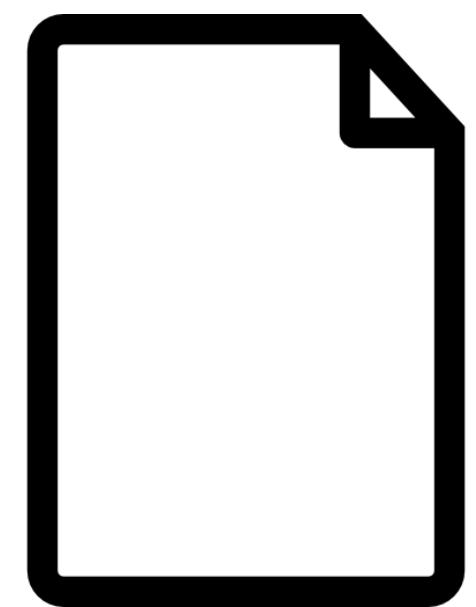
One of the best advantages of using a static site generator is that t

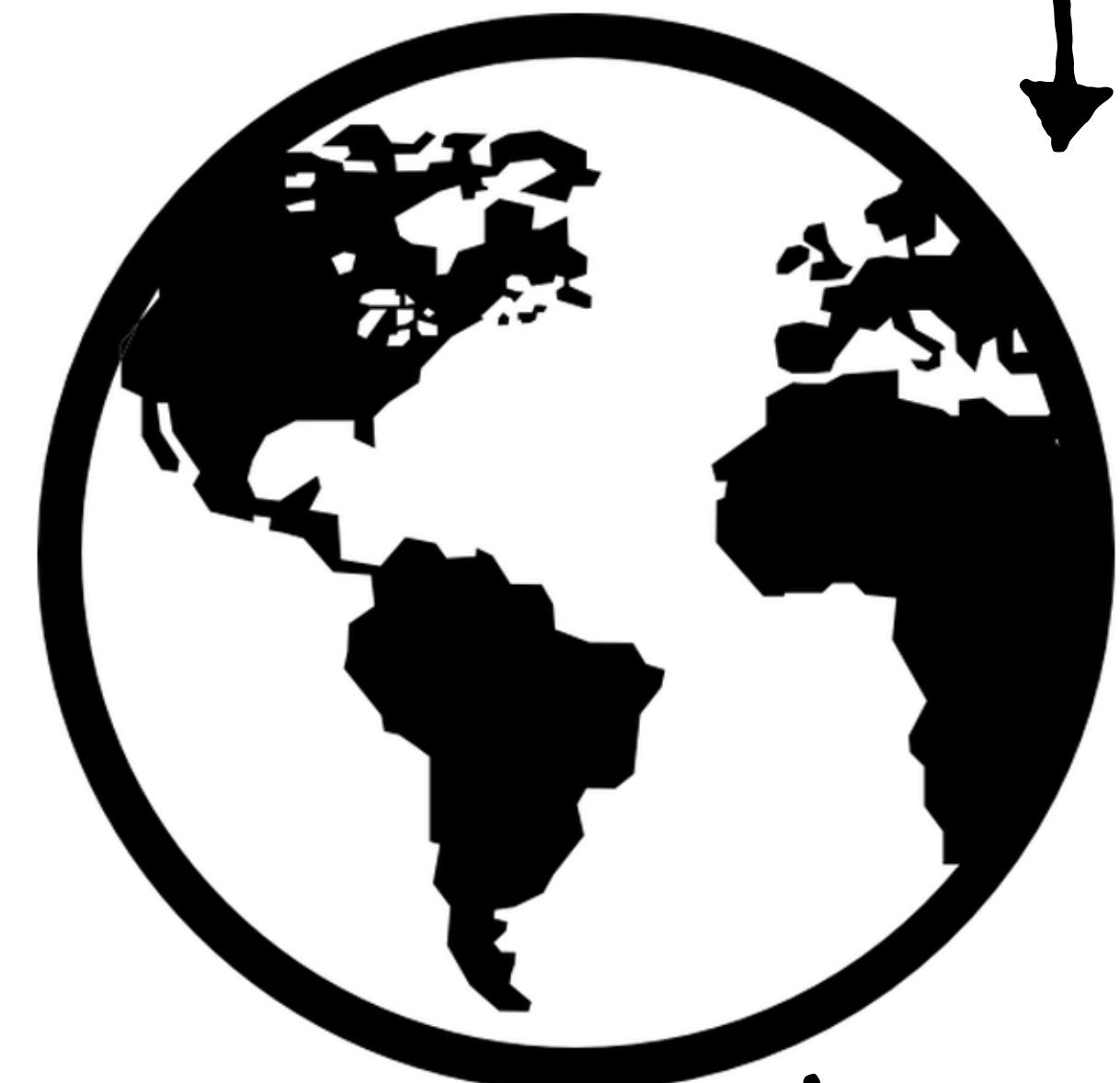
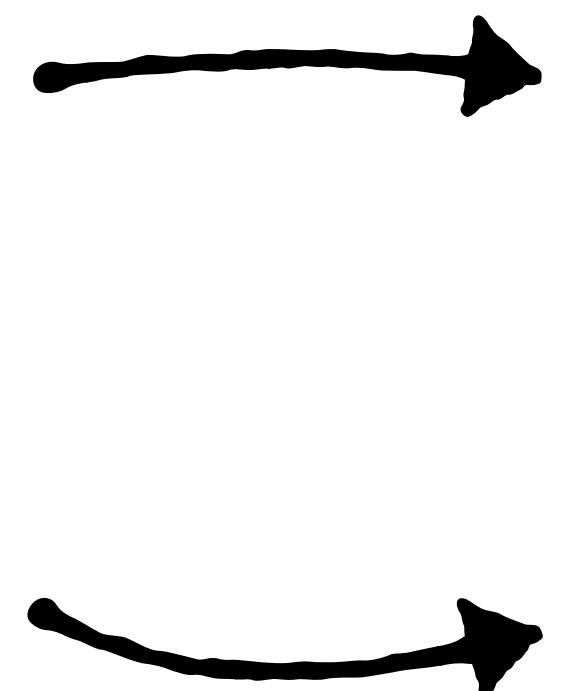
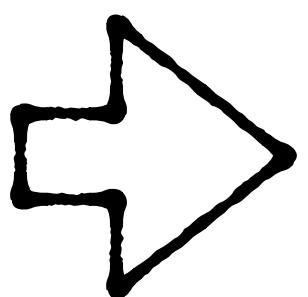
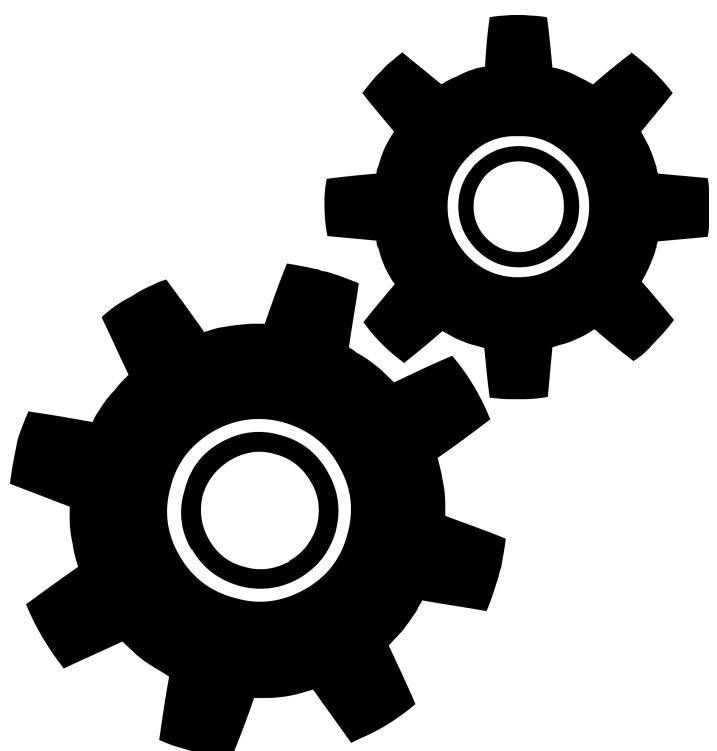
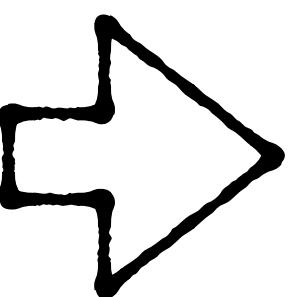
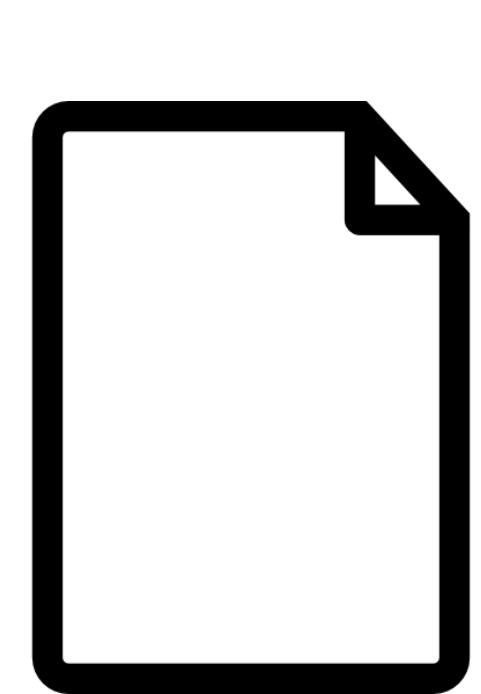
In this example, I use [Metalsmith](<http://www.metalsmith.io/>) as sta) for instance. And as long as your static site generator knows how t

The Wordpress API

Every Wordpress installation comes with a full fledged JSON API. This

Hosting





Firefox File Edit View History Bookmarks Tools Window Help 92% Tue 13:12

Dynatrace Help | Dynatrace Help X +

i Dynatrace LLC (US) | https://www.dynatrace.com/support/help/

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[Release notes](#)

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[Deploy Dynatrace](#)

[Technology support](#)

[Data privacy & security](#)

[Insight discovery](#)

[Organize monitored entities](#)

[Problem detection & analysis](#)

[Diagnostics](#)

[User experience](#)

Get started

Learn the basics of Dynatrace monitoring, how OneAgent works, user-group permission setup, and more. Looking for the [Release notes](#)?

Deploy Dynatrace

Install Dynatrace OneAgent and begin monitoring. Learn about and [install ActiveGate](#). Install and configure Dynatrace Managed.

Data privacy & security

Learn about the data-protection controls and other operational practices Dynatrace uses to protect your private data and the data of your customers.

Insight discovery

Learn how to use dashboarding, Smartscape topology visualization, reporting, and AI-driven ChatOps/VoiceOps features to interact with Dynatrace and gain deeper knowledge of your environment.

Organize monitored entities

Learn how to organize, track, and assign ownership to the monitored entities in your environment using tags, management zones, host groups, and metadata.

Problem detection & analysis

Diagnostics

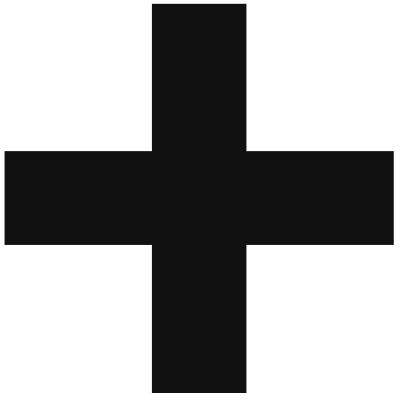
Analyze host memory usage, CPU usage,

User experience

Understand how the performance of user

<https://www.dynatrace.com/support/help/get-started/>





Sources: Markdown, JSON, APIs

It's just HTML

Deploy it: Storage, Dropbox

Scaleable, blazingly fast, secure



Needs a build process

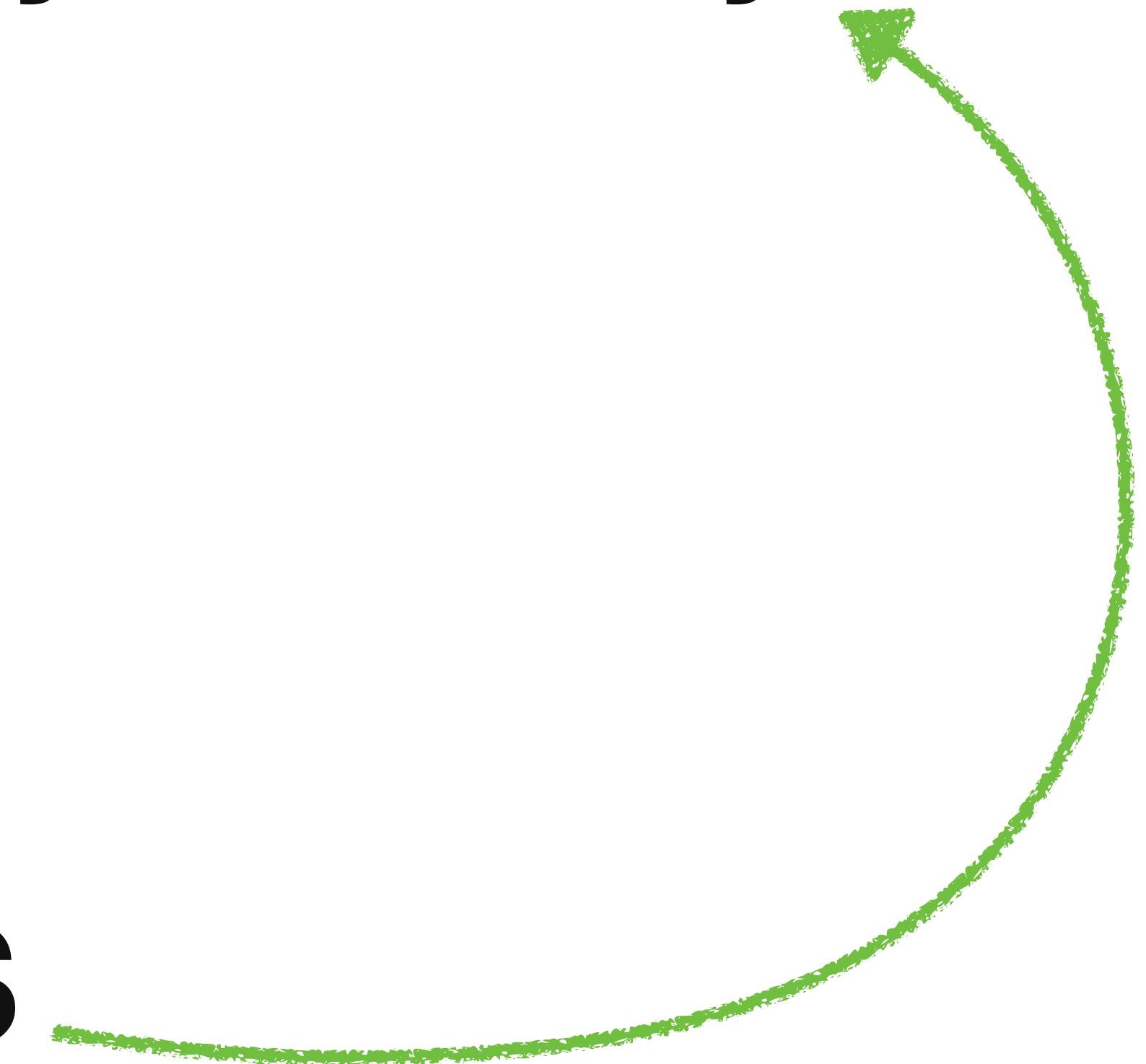
Which increases as site grows bigger

Not so good with binary data

Some SSGs are more flexible than others

Hosting: Availability, stability, security

Front-End: Markup, CSS, JS



Content

Create your first function from t X +

https://docs.microsoft.com/en-us/azure/azure-functions/functions-create-first

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> Integrate

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> Samples

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> How-to guides

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In this article

Log in to Azure

Create a function app

Create an HTTP triggered function

Test the function

Clean up resources

Next steps

Create your first function in the Azure portal

03/28/2018 • 4 minutes to read • Contributors all

Azure Functions lets you execute your code in a [serverless](#) environment without having to first create a VM or publish a web application. In this topic, learn how to use Functions to create a "hello world" function in the Azure portal.

```
using System.Net;
public static HttpResponseMessage Run(HttpRequestMessage req, out object name);
string task = req.GetQueryNameValuePairs()
    .FirstOrDefault(q => string.Compare(q.Key, "task", true) == 0)
    .Value;
string duedate = req.GetQueryNameValuePairs()
    .FirstOrDefault(q => string.Compare(q.Key, "duedate", true) == 0)
    .Value;
```

Is this page helpful? Yes No

az - azure-docs/functions-create-first-azure-function X +

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Code Issues 1,510 Pull requests 178 Insights

Branch: master → azure-docs / articles / azure-functions / functions-create-first-azure-function.md Find file Copy path

ggailey777 Bulk metadata update: #6 28e67fa 4 days ago

12 contributors

86 lines (48 sloc) | 3.98 KB Raw Blame History

title	description	services	documentationcenter	author	manager	ms.assetid	ms.service	ms
Create your first function from the Azure Portal Microsoft Docs	Learn how to create your first Azure Function for serverless execution using the Azure portal.	functions	na	ggailey777	jeconnoc	96cf87b9-8db6-41a8-863a-abb828e3d06d	azure-functions	ml

Create your first function in the Azure portal

Azure Functions lets you execute your code in a [serverless](#) environment without having to first create a VM or publish a web application. In this topic, learn how to use Functions to create a "hello world" function in the Azure portal.

Transferring data from raw.githubusercontent.com... Function Apps - Function X +

jenkins / smith/preview-pipeline X Public Repositories - Dynatrace X +

✓ / preview-pipelines / documentation-preview < 126

Branch: mad-dcrum-18-sso 3m 4s No changes
Commit: – 20 days ago Branch event

Start Prepare Load latest docker image Validation Appmon Appmon-saas Dcrum Synthetic Dynatrace Doc-guide End

Doc-guide

No steps This stage has no steps

Show complete log

```
1 in/operator-integration
2 Seen branch in repository origin/patrickturner/resolved-issues.md-1532518756633
3 Seen branch in repository origin/piotrszwarc/NAM2018-APMOCRUM-30458-firewall
4 Seen branch in repository origin/piotrszwarc/NAM2018-GA
5 Seen branch in repository origin/piotrszwarc/NAM2018-RC
6 Seen branch in repository origin/piotrszwarc/NAM2018-migration
7 Seen branch in repository origin/piotrszwarc/NAM2018-system-requirements
8 Seen branch in repository origin/prototype
9 Seen branch in repository origin/release-automation-test
10 Seen branch in repository origin/review
11 Seen branch in repository origin/something
12 Seen 36 remote branches
13 Obtained Jenkinsfile from abca4fb677b1eb3908293d13ef3eec1096493dbc
14 Running in Durability level: MAX_SURVIVABILITY
15 [Pipeline] node
16 Running on Jenkins in /var/lib/jenkins/workspace/on-preview_mad-dcrum-18-sso-UUC6IEY2WW5QFCDO2BDBPTPKZQIECTASZCMONS2D5L5PJZZM4I0Q
17 [Pipeline] {
18 [Pipeline] stage
```

jenkins / smith/preview-pipeline X Pull requests for repository doc X Pull Request #640: UA-2617 - X +

Bitbucket Projects Repositories Snippets Search for code, commits or repositories... ? E 2

Web Experience doc PUBLIC

ACTIONS

- Clone
- Create branch
- Create pull request
- Create fork

NAVIGATION

- Source
- Commits
- Branches
- Pull requests 1
- Forks

SHORTCUTS

- Add shortcut
- Repository settings

David Bignotti DaveBig-UA-2617- → review MERGED

UA-2617

Overview Diff Commits

Details

David Bignotti created a pull request 25 Aug 2018

Added to Smartscape topic, edited in Glossary topic(also includes move of ActiveGate from 'S' (where it was because it was Security Gsateway) to under 'A').

1 build ✓

UA-2617

Learn more

Activity

What do you want to say?

buildmaster Pull request preview is available

Build no 3/ Commit d5da16671713c7f0907963f06b42025821f16a6b

- Appmon preview
- Appmon-saas preview
- Dcrum preview
- Synthetic preview
- Help preview

To get detailed status information about the preview state, please check the build link in the top right corner.

Have fun ☺ at it.

Reply · Delete · Create task · Create Jira issue · Like · 28 Aug 2018

David Bignotti UPDATED the pull request by adding 1 commit 28 Aug 2018

*That's nothing for non tech-savvy
users!*

Hero

Headline

This is the concept of Storyblok

Subheadline

is going to also works great for your
idea

Background Image

.../assets/images/your_logo_or_bg.png

Upload



```
{  
  "story": {  
    "name": "home"  
    "path": "/"  
    "content": [  
      ...  
      {  
        "component": "hero",  
        "headline": "This is the concept of Storyblok",  
        "subheadline": "It would also work for your idea",  
        "background_image": ".../assets/images/your_logo_or_bg.png"  
      }  
      ...  
    ]  
  }  
}
```

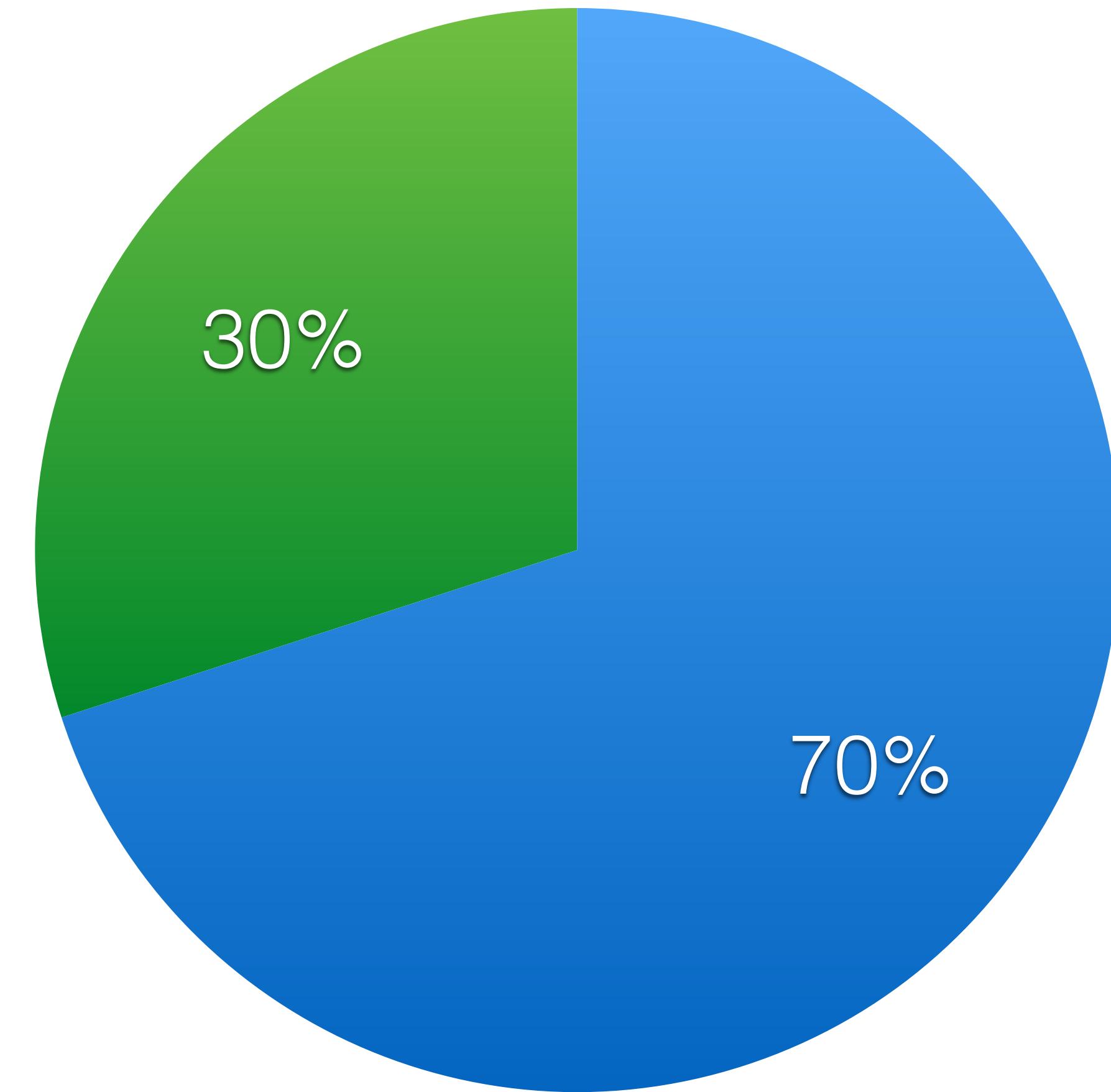
```
<h1> This is the concept  
<h2> is going to also wor  
data:image/s3,anthropic-data-us-east-2/u/marker_images/0101/1000/1001/11011110/sfishman-chandramapper-0319211047/e96790a3c6a1cd25b3b3cbb260e57d2f.jpg</antml:image>

## Choose your option.

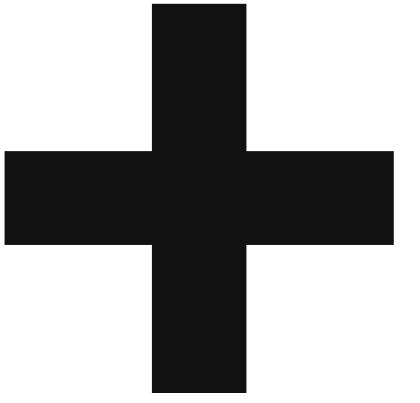
Books, webinars, conferences and networking – with hefty discounts.  
Starting from **\$3 a month**. You can cancel *any* time.

**JOIN NOW!**

A screenshot of a web browser showing the Smashing Magazine Membership Dashboard. The page has a red header with the Smashing Magazine logo and navigation links for Articles, Books, Events, Jobs, and Membership. A search bar and user icons are at the top right. The main content area features a greeting to 'Stefan!', a cartoon cat illustration, and a section for 'Coming Up Next in Membership' with two events listed. The footer includes a 'Read cloud.netlifyusercontent.com' link and a small up arrow icon.



# 3rd Party + Microservices



**Pay what you need**

**Manageable attack surface**

**Defined Input and Output**

**Integration with 3rd party services is easy**



**Serverless architectures are hard**

**What about platform independence**

**What if we like state**

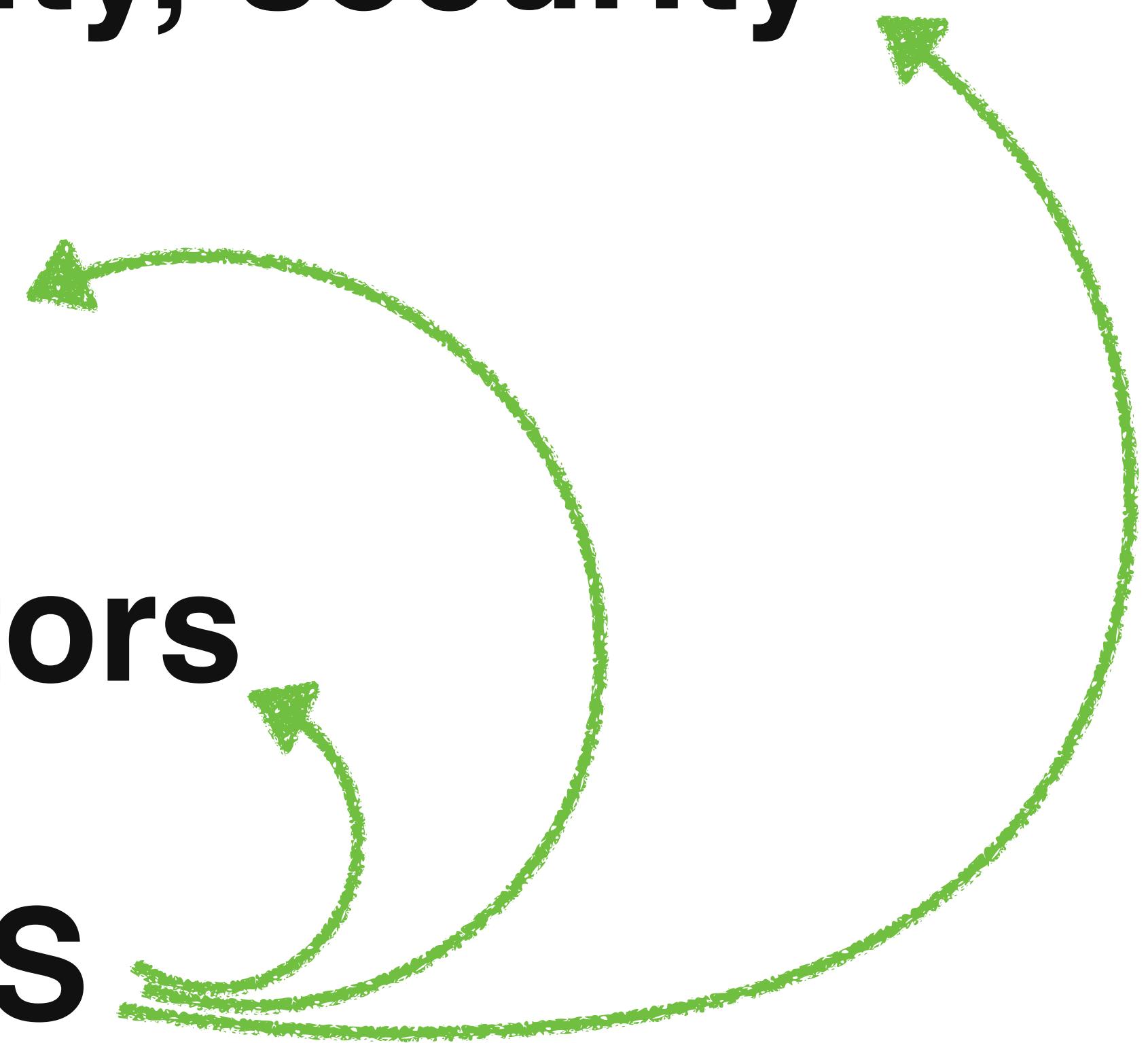
**More interfaces, more contracts**

**Hosting: Availability, stability, security**

**Applikation: Process state**

**CMS: Data, structures, editors**

**Front-End: Markup, CSS, JS**



# JAMStack

**J**avascript  
**A**PIs  
**M**arkup

# Javascript APIs Markup

*Templated markup prebuilt at  
deploy time. Using a static site  
generator. Deployable anywhere*

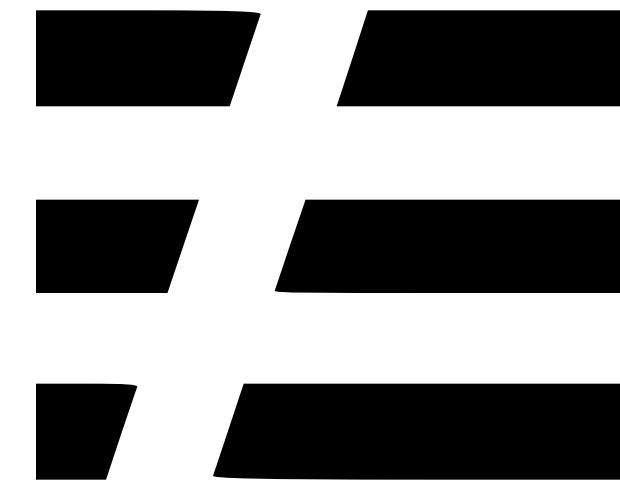
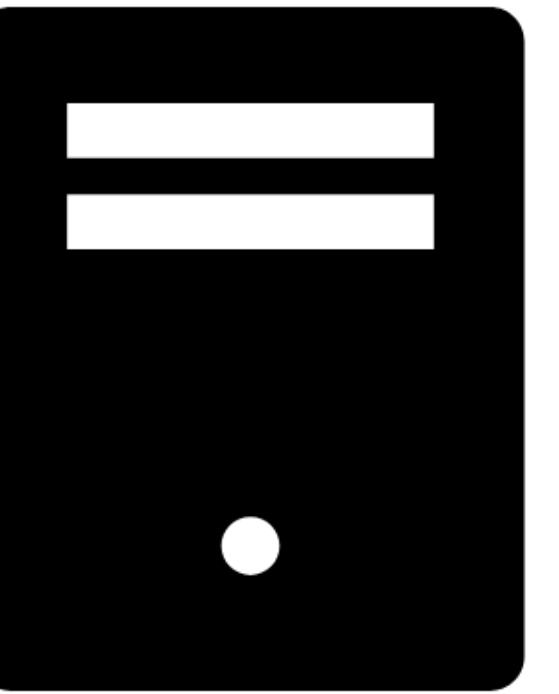
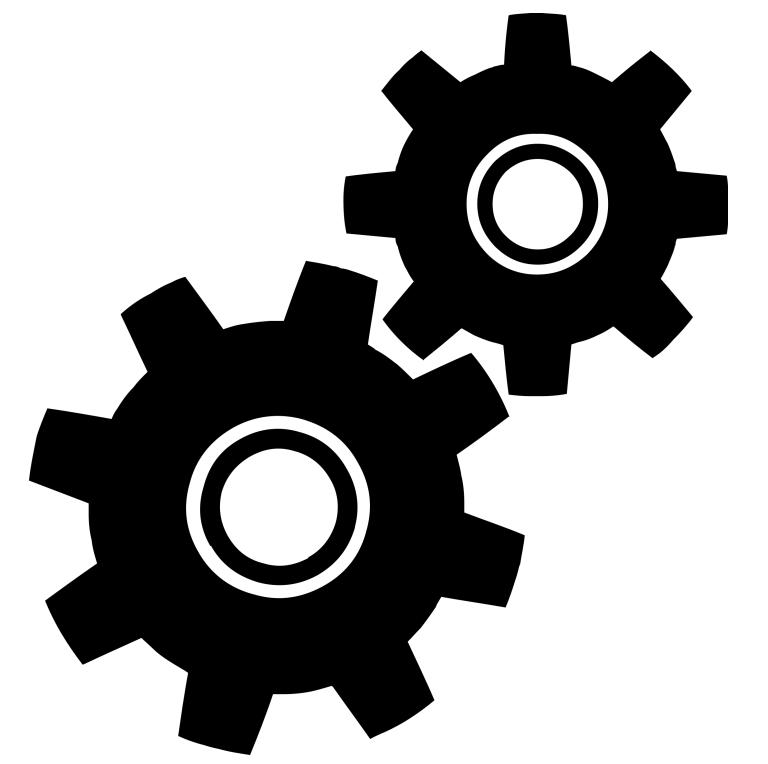
# Javascript APIs Markup

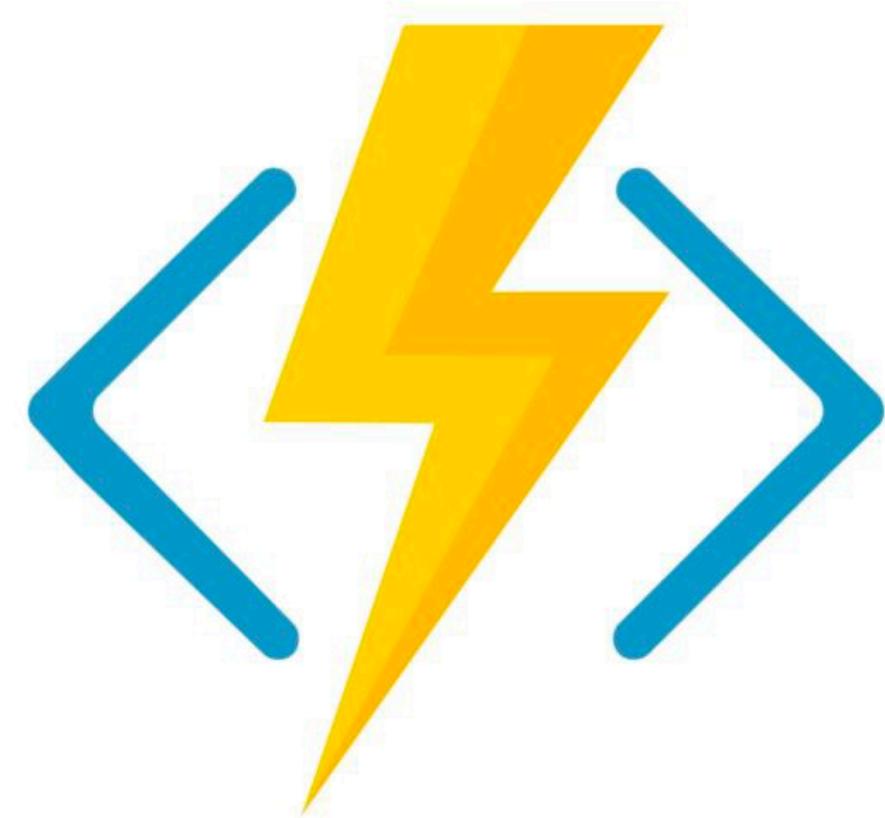
*Server side processes and DB actions are abstracted into reusable APIs over HTTPS and JavaScript*

# Javascript APIs Markup

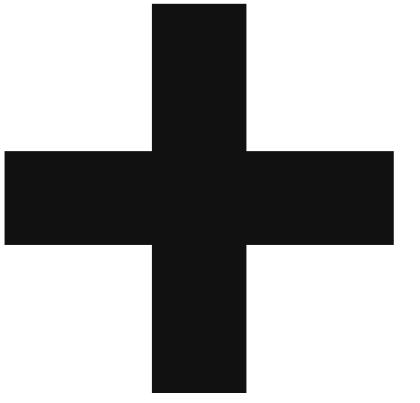
*Dynamic processes are done on the client. Via JavaScript.*

*Deployed markup is extended with functionality from APIs client-side.*





**Sum it up**



**Every piece is independent**

**Resilient, failsafe, sustainable**

**Incremental adoption**

**Full control of every part in your app**



**Lots of technologies: Fragmentation**

**Very platform specific**

**This is 3rd party land!**

**Exit strategies!**

**@ddprrt**

fettblog.eu · scriptconf.org · devone.at

