

Desarrollo de aplicativos abiertos adaptados al

CLOUD



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<http://programmeratwork.com>

@programmeratwk



7 months

Why?





LESS ROUTINE & MORE

VALUE





Signature

... whom I have to
August Two Thousand

Scope





<https://github.com/universitatjaumei>

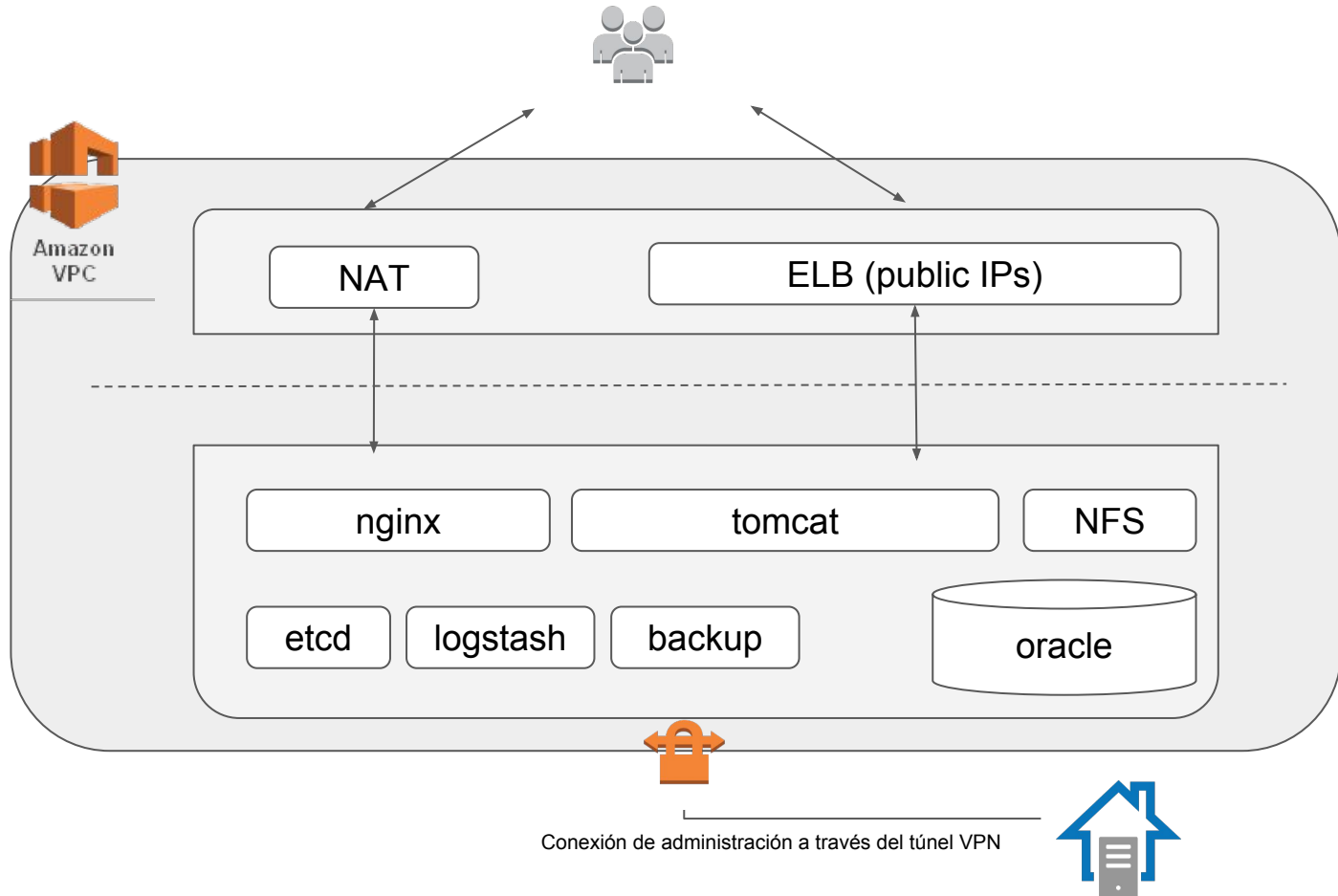


amazon
web services

Dev profile



Dev profile:
FullStack



Computation










Step 1: Choose an Amazon Machine Image (AMI)

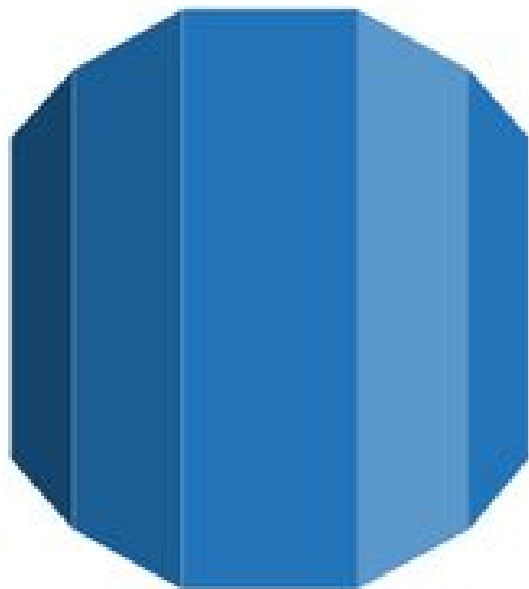
[Cancel and Exit](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.

Quick Start < 1 to 25 of 25 AMIs >

My AMIs	 Amazon Linux Amazon Linux AMI 2016.09.0 (HVM), SSD Volume Type - ami-d41d58a7 Free tier eligible The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages. Root device type: ebs Virtualization type: hvm	Select 64-bit
AWS Marketplace	 Red Hat Red Hat Enterprise Linux 7.2 (HVM), SSD Volume Type - ami-8b8c57f8 Free tier eligible Red Hat Enterprise Linux version 7.2 (HVM), EBS General Purpose (SSD) Volume Type Root device type: ebs Virtualization type: hvm	Select 64-bit
Community AMIs	 SUSE Linux SUSE Linux Enterprise Server 12 SP1 (HVM), SSD Volume Type - ami-f4278487 Free tier eligible SUSE Linux Enterprise Server 12 Service Pack 1 (HVM), EBS General Purpose (SSD) Volume Type. Public Cloud, Advanced Systems Management, Web and Scripting, and Legacy modules enabled. Root device type: ebs Virtualization type: hvm	Select 64-bit
<input type="checkbox"/> Free tier only ⓘ	 Ubuntu Ubuntu Server 14.04 LTS (HVM), SSD Volume Type - ami-ed82e39e Free tier eligible Ubuntu Server 14.04 LTS (HVM), EBS General Purpose (SSD) Volume Type. Support available from Canonical (http://www.ubuntu.com/cloud/services). Root device type: ebs Virtualization type: hvm	Select 64-bit
	 Windows Microsoft Windows Server 2012 R2 Base - ami-9b81f8e8 Free tier eligible Microsoft Windows 2012 R2 Standard edition with 64-bit architecture. [English] Root device type: ebs Virtualization type: hvm	Select 64-bit
	 Windows Microsoft Windows Server 2012 R2 with SQL Server Express - ami-308ef743 Microsoft Windows Server 2012 R2 Standard edition, 64-bit architecture, Microsoft SQL Server 2016 Express edition. [English] Root device type: ebs Virtualization type: hvm	Select 64-bit
	 Windows Microsoft Windows Server 2012 R2 with SQL Server Web - ami-e084fd93 Microsoft Windows Server 2012 R2 Standard edition, 64-bit architecture, Microsoft SQL Server 2016 Web edition. [English] Root device type: ebs Virtualization type: hvm	Select 64-bit

Database



Amazon RDS

Amazon Aurora

Aurora

Amazon Aurora is a high-performance, MySQL-compatible, enterprise-class database at a tenth the cost of commercial databases.

Select



ORACLE



- Up to 5 times the throughput of MySQL.
- Up to 15 promotable Read Replicas with less than 10 ms lag.
- Up to 64 TB of Auto Scaling storage replicated over multiple Availability Zones.

Storage



Amazon S3



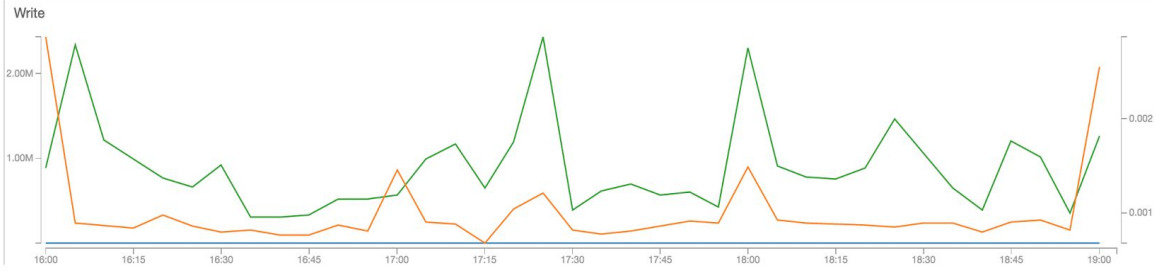
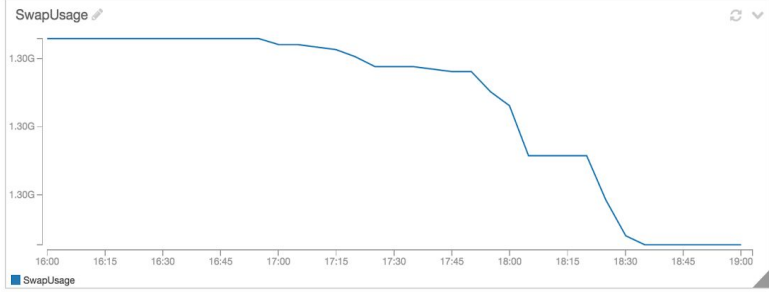
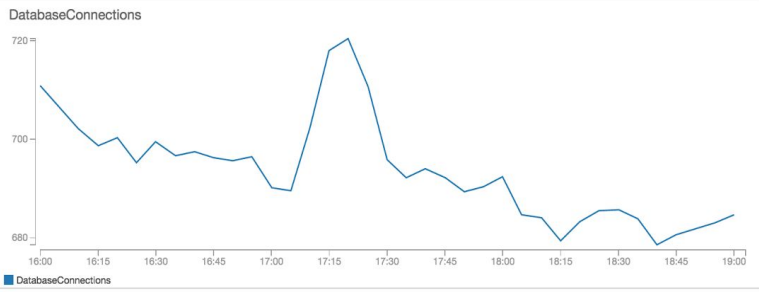
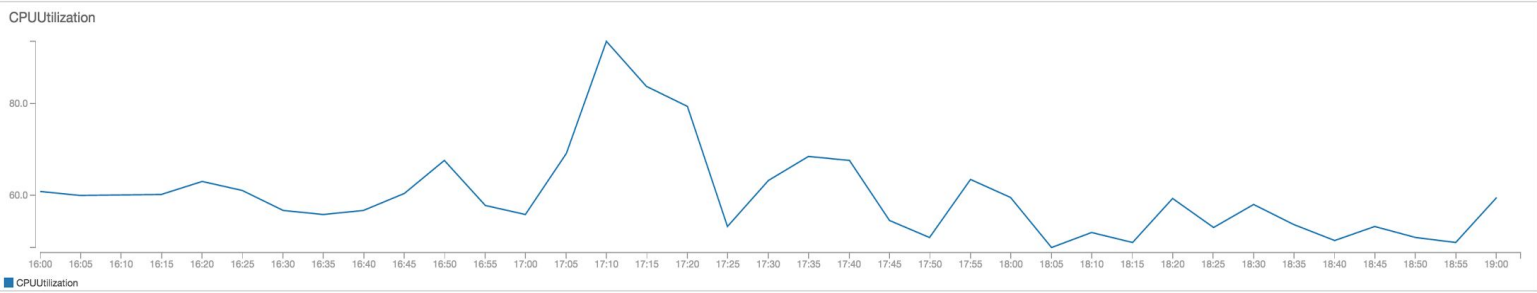
amazon



GLACIER

Monitoring

- rds-status-agma-now
- Alarms
 - ALARM
 - INSUFFICIENT
 - OK
- Billing
- Events
- Rules
- Logs
- Metrics



Amazon Web Services IN ACTION

Andreas Wittig
Michael Wittig

FOREWORD BY Ben Whaley



Dev profile:
Backend

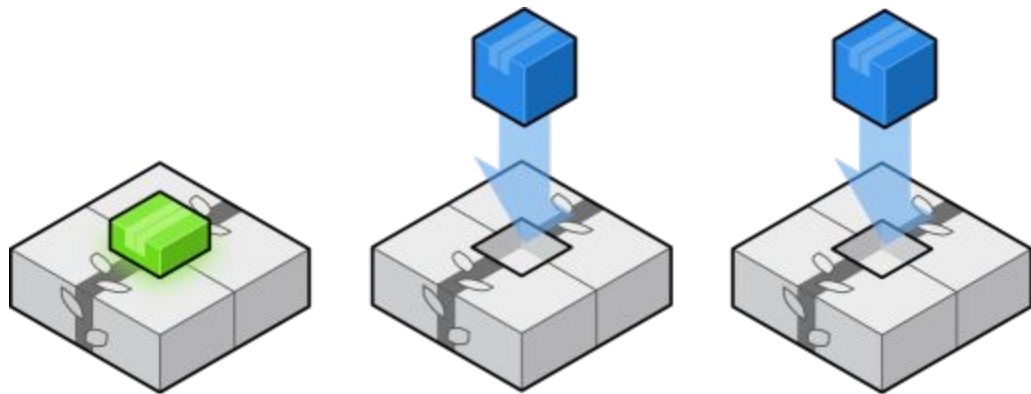
Computation



+



docker



Rolling Updates

<> Code

Issues 49

Pull requests 10

Projects 0

Pulse

Graphs

A maven plugin for Docker

833 commits

4 branches

304 releases

28 contributors

Apache-2.0

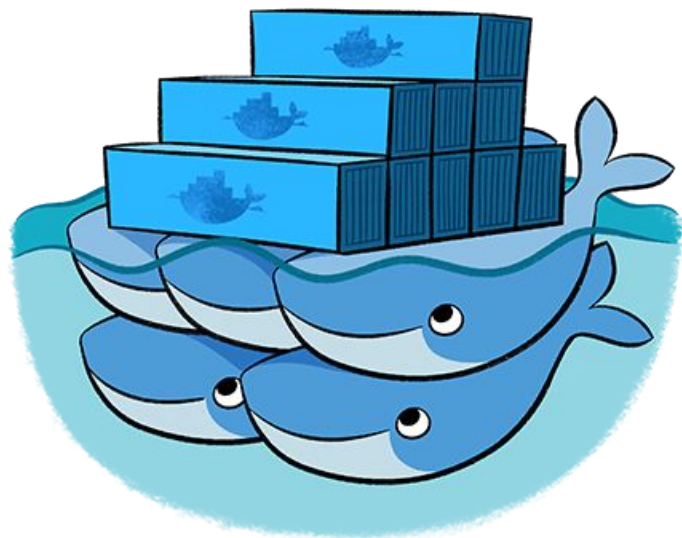
Branch: master ▾

New pull request

Find file

Clone or download ▾

spotify-helios-ci-agent [maven-release-plugin] prepare for next development iteration		Latest commit 99df2f2 on 8 Sep
.github	Add issue template to help users specify more info	8 months ago
src	Add ability to send --rm param on build (seems needed for CircleCI)	2 months ago
.gitignore	Support more Dockerfile commands	a year ago
.travis.yml	travis config needs to have docker enabled	4 months ago
CONTRIBUTING.md	Add CONTRIBUTING.md	a year ago
LICENSE	Initial public release	2 years ago
README.md	Add skipDockerPush and skipDocker properties (#205)	2 months ago
checkstyle-suppressions.xml	Do not checkstyle for auto-generated HelpMojo	7 months ago
checkstyle.xml	Do not checkstyle for auto-generated HelpMojo	7 months ago
findbugs-exclude.xml	Initial public release	2 years ago
java.header	Initial public release	2 years ago
pom.xml	[maven-release-plugin] prepare for next development iteration	a month ago
sonatype-settings.xml	deploy snapshots to maven central from travis	4 months ago



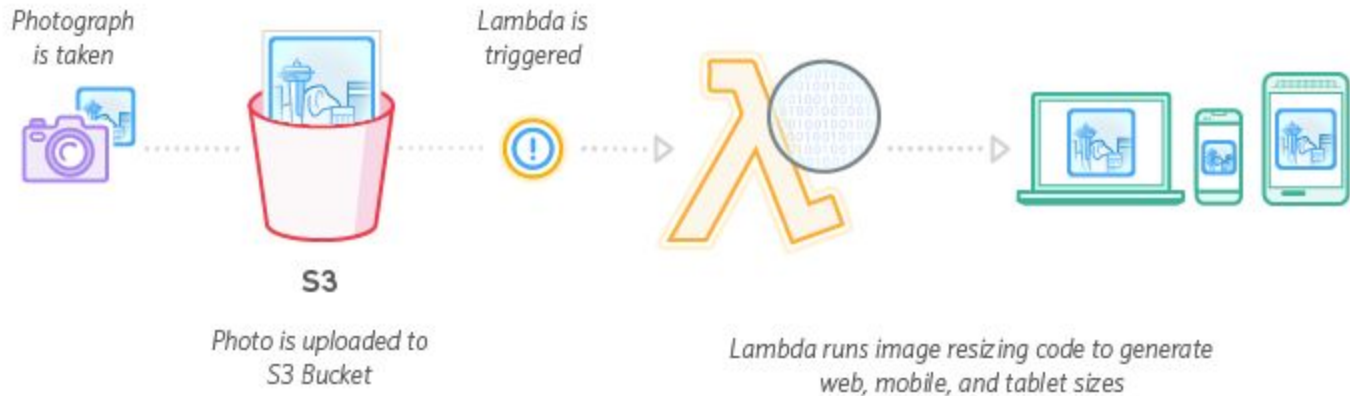
kubernetes



MESOS



Example: Image Thumbnail Creation



1100
1010
0101



Passing information
through API Gateway

AWS Lambda Resource Limits

Resource	Default Limit
Ephemeral disk capacity ("/tmp" space)	512 MB
Number of file descriptors	1,024
Number of processes and threads (combined total)	1,024
Maximum execution duration per request	300 seconds
Invoke request body payload size (RequestResponse)	6 MB
Invoke request body payload size (Event)	128 K
Invoke response body payload size (RequestResponse)	6 MB

<> Code

🔔 Issues 3

🔗 Pull requests 0

📁 Projects 0

📈 Pulse

📊 Graphs

This library enables you to utilize AWS Lambda and Amazon API Gateway to respond to web and API requests using your existing Node.js application framework.

📄 46 commits

🔗 1 branch

🏷️ 0 releases

👤 3 contributors

🔗 Apache-2.0

Branch: master ▾

New pull request

Find file

Clone or download ▾

**brettstack** update local simulation to exit 0 on success and 1 on error

Latest commit 77a945a 3 days ago

📁 example

update local simulation to exit 0 on success and 1 on error

3 days ago

📄 .gitignore

Add library

a month ago

📄 LICENSE

Initial commit

a month ago

📄 NOTICE.txt

Add library

a month ago

📄 README.md

more windows fixes

3 days ago

📄 index.js

bug: join header array

12 days ago

📄 middleware.js

add middleware to library; move x-apigateway-event and context header...

14 days ago

📄 package.json

1.1.3

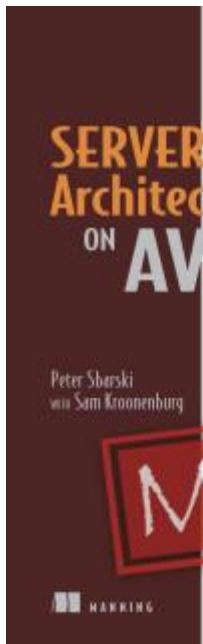
3 days ago



AWS Lambda IN ACTION

Event-Driven Serverless Applications

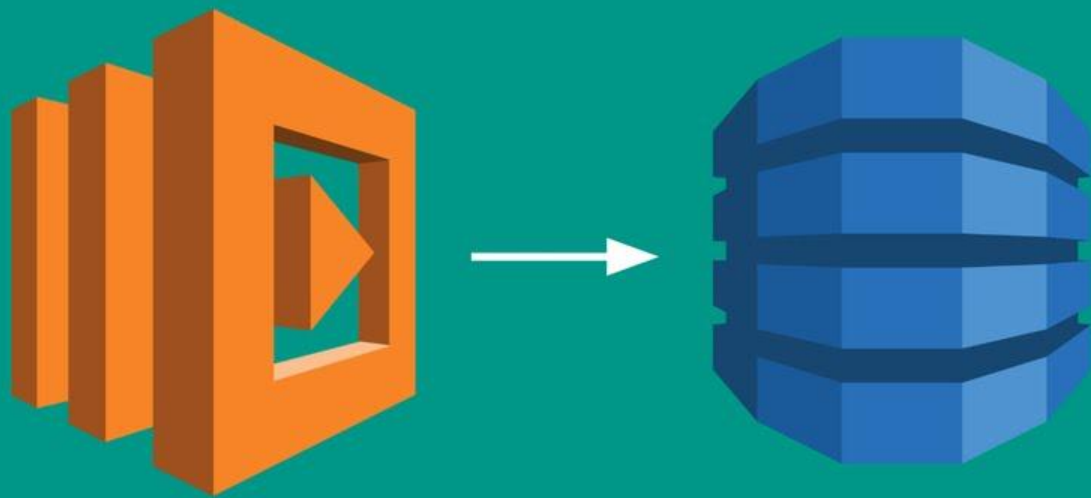
Danilo Poccia



With examples using AWS Lambda



Database



Writing data to
DynamoDB



**REDIS OR
MEMCACHED**

AMAZON ELASTICACHE

An implementation of the Tomcat SessionManager that persists data into Redis

[69](#) commits
 [2](#) branches
 [3](#) releases
 [5](#) contributors
 Apache-2.0

Branch: **master** ▾

[New pull request](#)

[Find file](#)

[Clone or download](#) ▾


[jkonicki](#) committed on [GitHub](#) Merge pull request #8 from pivmatt/fix-serialization ...
 Latest commit [de47fa8](#) on 30 Aug

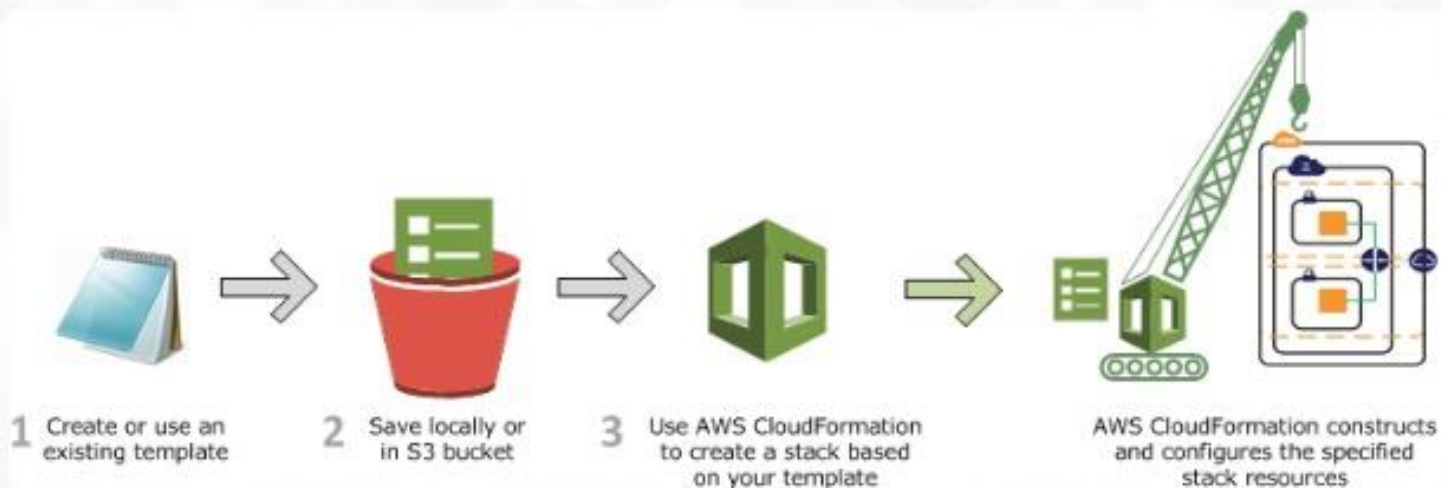
.idea	Revert "Java 6 Support"	2 months ago
.mvn/wrapper	Upgrade maven version	2 months ago
ci	Build on Java 7	a year ago
common	Use web application class loader if defined	2 months ago
redis-store	Revert "Java 6 Support"	2 months ago
.gitignore	Update gitignore	2 months ago
.travis.yml	Revert "Java 6 Support"	2 months ago
CONTRIBUTING.md	Initial commit	3 years ago
LICENSE	Initial commit	3 years ago
NOTICE	Initial commit	3 years ago
README.md	Improve README formatting	2 months ago
mvnw	Concourse Build Support	a year ago
mvnw.cmd	Concourse Build Support	a year ago
pom.xml	Merge pull request #8 from pivmatt/fix-serialization	2 months ago
session-managers.iml	Host configuration	3 years ago

Build infrastructure



AWS CLI

AWS CloudFormation



Android

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[Documentation »](#)

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iOS

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.NET

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Node.js

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Python

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PHP

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[Documentation »](#)

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Ruby

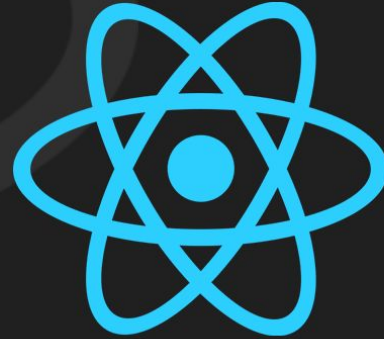
[Install »](#)

[Documentation »](#)

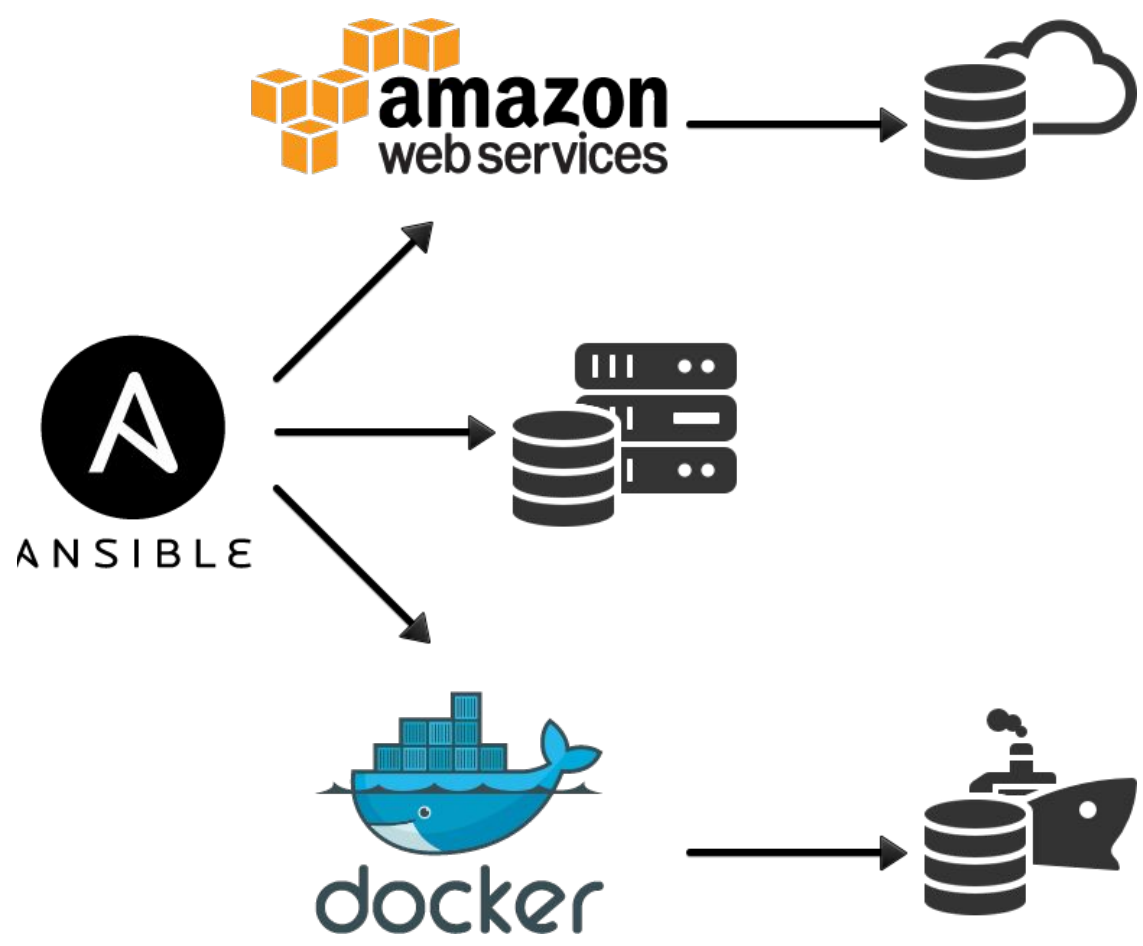
[Learn more »](#)

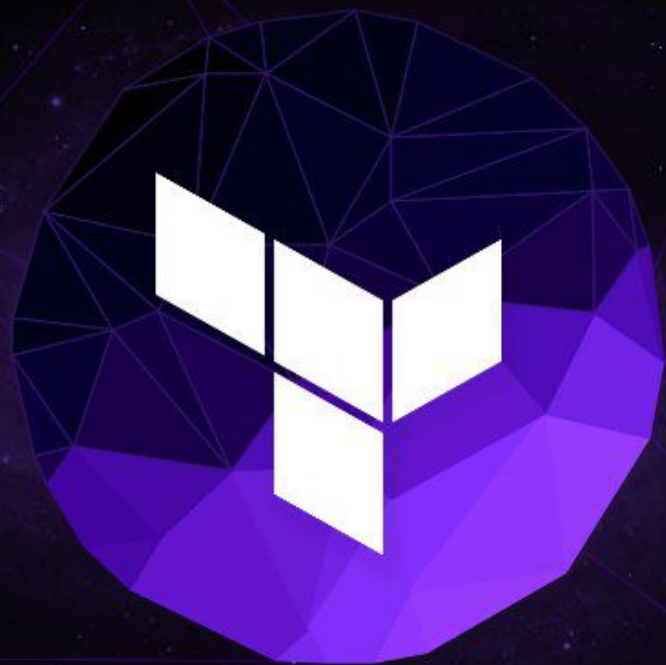


React Native



1. [Amazon S3](#) to store user data, including photos and videos, in the cloud. It uses the TransferUtility, which simplifies file transfers between your app and the cloud.
2. [Amazon DynamoDB](#) to store data into a NoSQL database.
3. [AWS Lambda](#) to run serverless code in the cloud without the need for backend infrastructure.
4. [Amazon SNS](#) to send and receive push notifications.





TERRAFORM

∞ The end ∞