

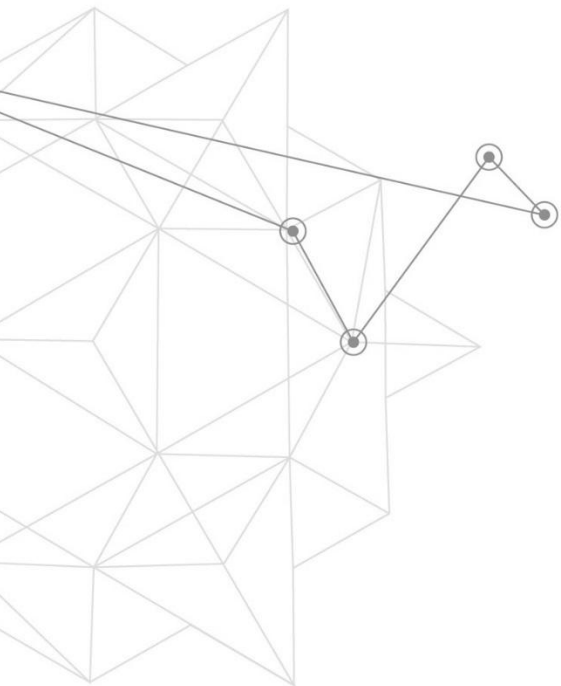


Engage Workshop

**San Jose, California
September 20-22, 2016**



Agenda



- Team introductions
- Software installation
- Project orientation
- Training overview
- Hands-on training
- Guidelines and best practices
- Architecture & adoption discussion

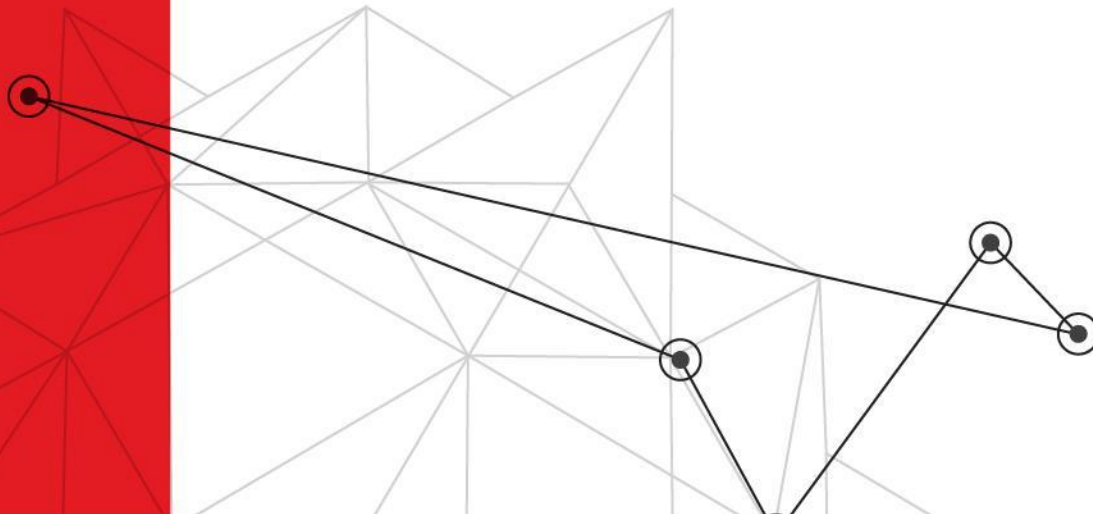
AMP Team

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Developing with AMP

Software Installation



Software Tools for the Workshop

Developer prerequisites

- bash
 - Windows 10:
<https://msdn.microsoft.com/en-us/commandline/wsl/about>
 - Other Windows: <https://git-for-windows.github.io/>
- git
- make
- Editor (try Atom: <https://atom.io/>)

Software Tools for the Workshop

- Docker
- Go
- Node.js

Docker

Minimum version: 1.12.x

<https://docs.docker.com/engine/installation/>

- Various Linux distributions
- Docker for Mac
- Docker for Windows

<https://www.docker.com/>

Go

Version: 1.7.1

<https://golang.org/dl/>

- Linux
- Apple OS X
- Microsoft Windows

<https://golang.org/>

Configure Go environment

Set \$GOPATH

Choose a location for your Go workspace. Ex:

```
/home/<username>/go  
    /bin  
    /pkg  
    /src
```

Create workspace directories:

```
$ mkdir -p ~/go ~/go/bin ~/go/pkg ~/go/src
```

Configure Go environment

(continued)

Add the workspace location to your environment

```
export GOPATH=~ / go
```

Append the workspace bin directory to your path

```
export PATH=$PATH:$GOPATH/bin
```

(Usually add these to your `~/ .bashrc` or equivalent)

Go

Additional Tools

Glide (package management for Go)

<https://glide.sh/>

```
curl https://glide.sh/get | sh
```

Golint (linter for go source code)

<https://github.com/golang/lint>

```
go get -u github.com/golang/lint/golint
```

Node.js

v6.6.0

<https://nodejs.org/en/download/current/>

Recommended for managing/switching Node versions
on Linux and OS X: `nvm`

<https://github.com/creationix/nvm>

```
curl -o-  
https://raw.githubusercontent.com/creationix/nvm/v0.32.0/install.sh | bash
```

AMP

<https://github.com/appcelerator/amp>

```
$ mkdir -p $GOPATH/src/github.com/appcelerator  
$ cd $GOPATH/src/github.com/appcelerator
```

ssh

```
$ git clone git@github.com:appcelerator/amp
```

https

```
$ https://github.com/appcelerator/amp
```

AMP

Makefile

Install AMP

Installs `amp` and `amplifier` in `$GOPATH/bin`

```
$ cd $GOPATH/src/github.com/appcelerator/amp
$ glide install
$ make install
```

Pull amp docker images

```
$ ./swarm pull
```



Introduction to AMP

Project Orientation

