



Magento **Live**

Australia | 2016



Improving the Magento 2 Developer Experience



Alan Kent

Magento Chief Architect

Consistent Magento 2 Feedback

“I have been working on some larger Magento 2.1 EE solutions for a few months now and I really prefer Magento 2 over Magento 1”

“Getting into M2 was a huge pain ... but once I got past that peak it has been relatively painless.”

“I really hate going back to Magento 1 projects for the lack of proper Composer support alone”

“After working with M2 for a year now, I dread my work on M1 in comparison. Not that M2 doesn't have the occasional hiccup, but it is so much better.”



Setup and installation

Getting up to speed

Deployment



Bug backlog

Patching and upgrades

Great experience along the whole developer lifecycle



Discover

Install

Design

Develop

Integrate

Deploy

Engage

Maintain

Monetize

Discover

developer.magento.com for developers, simple How To's

Install

Downloads, Docker dev box, getting started guide

Design

Frontend (JavaScript, Less/CSS, layouts, ...), themes

Develop

Git structure, write code, run tests, debugging, reference docs

Integrate

Web APIs, 3rd party extensions from Marketplace

Deploy

Deployment performance, Magento Cloud, automation

Engage

Community, forums, GitHub issues and PRs, conferences, ...

Maintain

Test automation, upgrades, patches, release notes

Monetize

Selling extensions, building your personal profile



Magento U

u.magento.com
[@MagentoU](#)



GitHub

github.com/magento

Dev Docs

devdocs.magento.com
[@MagentoDevDocs](#)

Forums

community.magento.com
[@sherrierohde](#)

Marketplace

marketplace.magento.com
[@bhavinr](#)

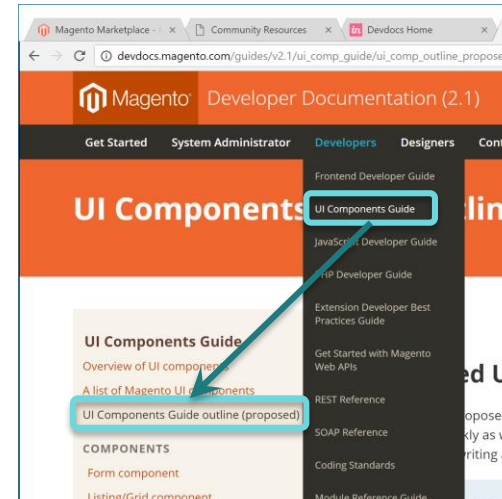


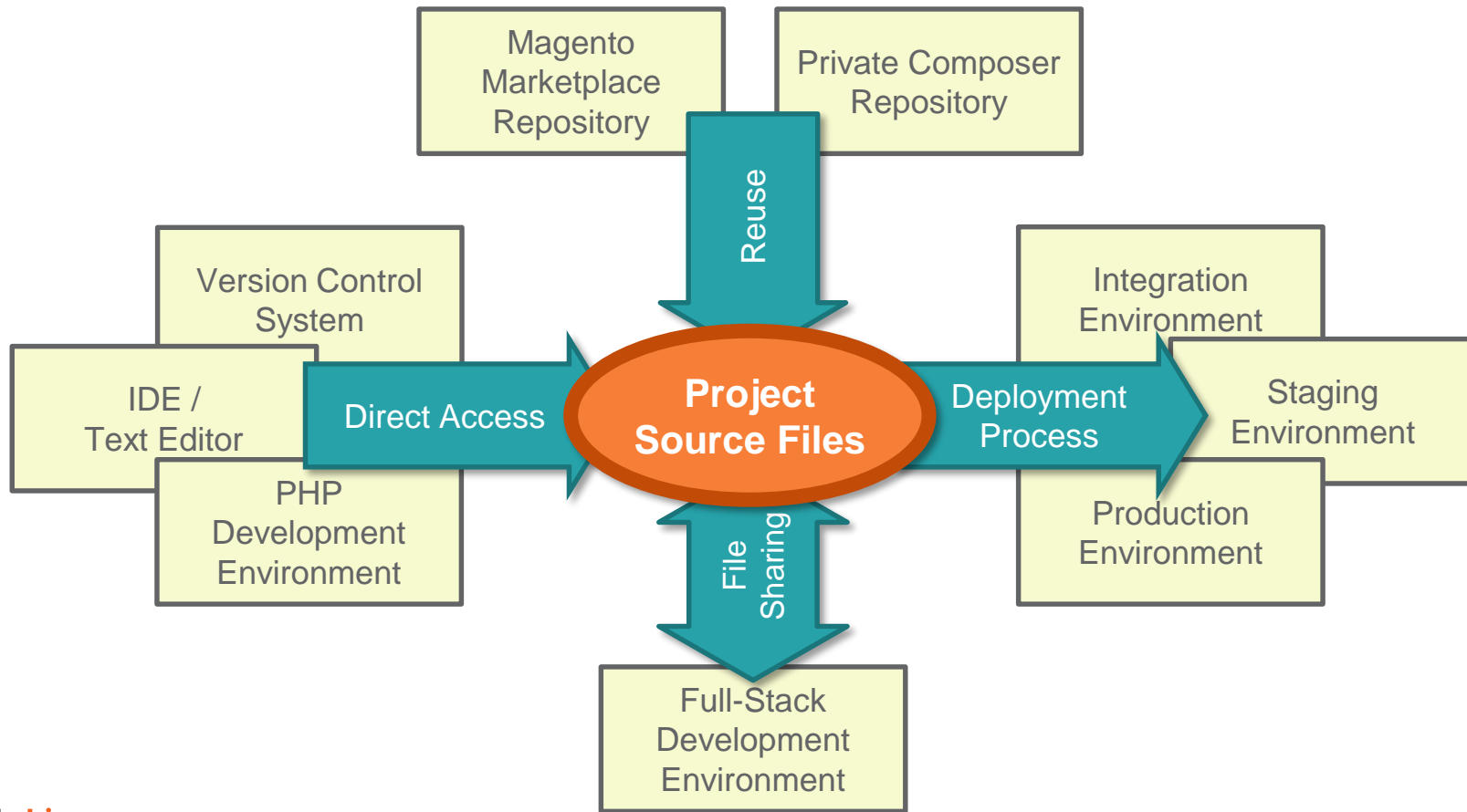
Soon

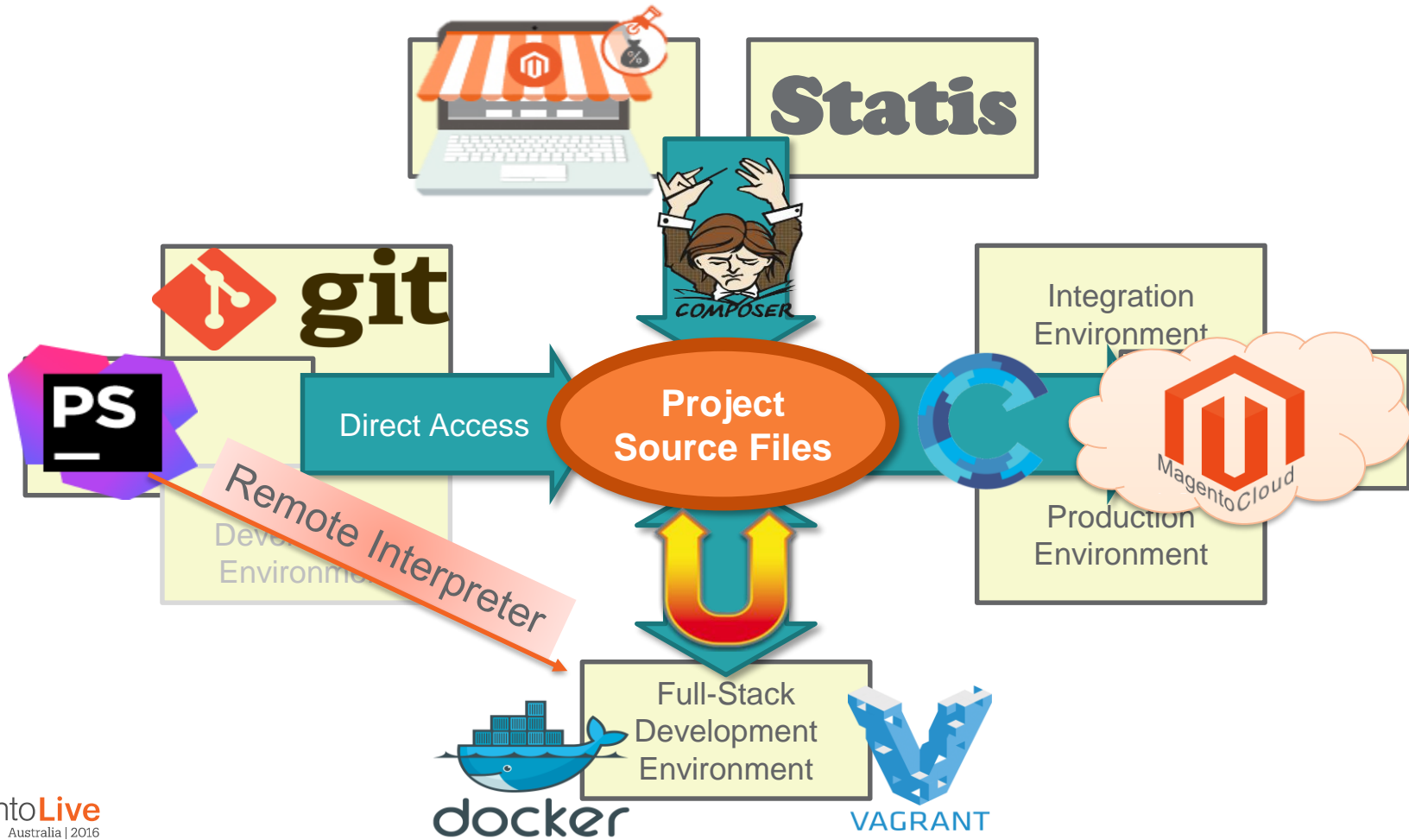
- Online training available at no cost in December
- First “How To” videos with exercises


Future

- Recognizing Dev Docs “Recent Contributors”
- “Community Resources” page
- UI Component Guide
- Online training – increased focus on exercises
- Ebooks – advanced topics by community members
- Curated community content, including short videos








MyFirstProject  This project has no code yet Support ▾ Alan Kent ▾

Master

 **Magento**

Setting up your project

What do you want to call your project?

[Next](#) [Continue Later](#)

Magento Cloud
Version 2.8.0



Master



Setting up your project

Where do you want to start?

Create a blank site from a template

We can automatically generate and setup for you a website based on some preconfigured settings and templates.

Import your existing code

You can run any PHP application on Magento Cloud. The `.magento.app.yaml` configuration file *is required*. There is plenty of documentation on <http://devdocs.magento.com/> to get you easily started. And many examples on [Github](#)

[« Go Back](#)

[Continue](#)

[Continue Later](#)



Master



Setting up your project

Enter authentication credentials

Magento 2 Enterprise Edition requires that you have proper credentials to download the base package. Please get your credentials at magento.com and paste them here. Those will automatically be added to your `auth.json` file in your Git repository.

[« Go Back](#)[Finish](#)[Continue Later](#)

Master

Master



Environments 3/11 ✕ 🔗 Access site ⚙️ Configure environment

Add new environments as you need them and then merge and delete them when you are done.

Next

Almost there. You have not pushed anything to Platform.sh yet. [Click Here!](#)

! No SSH key

Showing all types of ▾ messages

- ⚙️ **Alan Kent** initialized environment with profile **Magento Enterprise Cloud Edition** - [visit your site](#) 🔄 In progress a few seconds ago
- ⚙️ **Alan Kent** changed project name to **MyFirstProject** ✅ Success 5 minutes ago
- ⚙️ **Magento Cloud Bot (Magento Cloud support)** created a new project **Project Title** - [configure project](#) ✅ Success 7 days ago

Master

🔗 Access site ⚙️ Configure environment

Web Access

<http://master-re3kst4.us.magentosite.cloud/>

SSH Access

📄

Discover

Install

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Maintain

Monetize

Getting Going

1. Install Docker
2. Online site generates pre-configured download
3. Native file sharing on Mac; Unison in Windows*

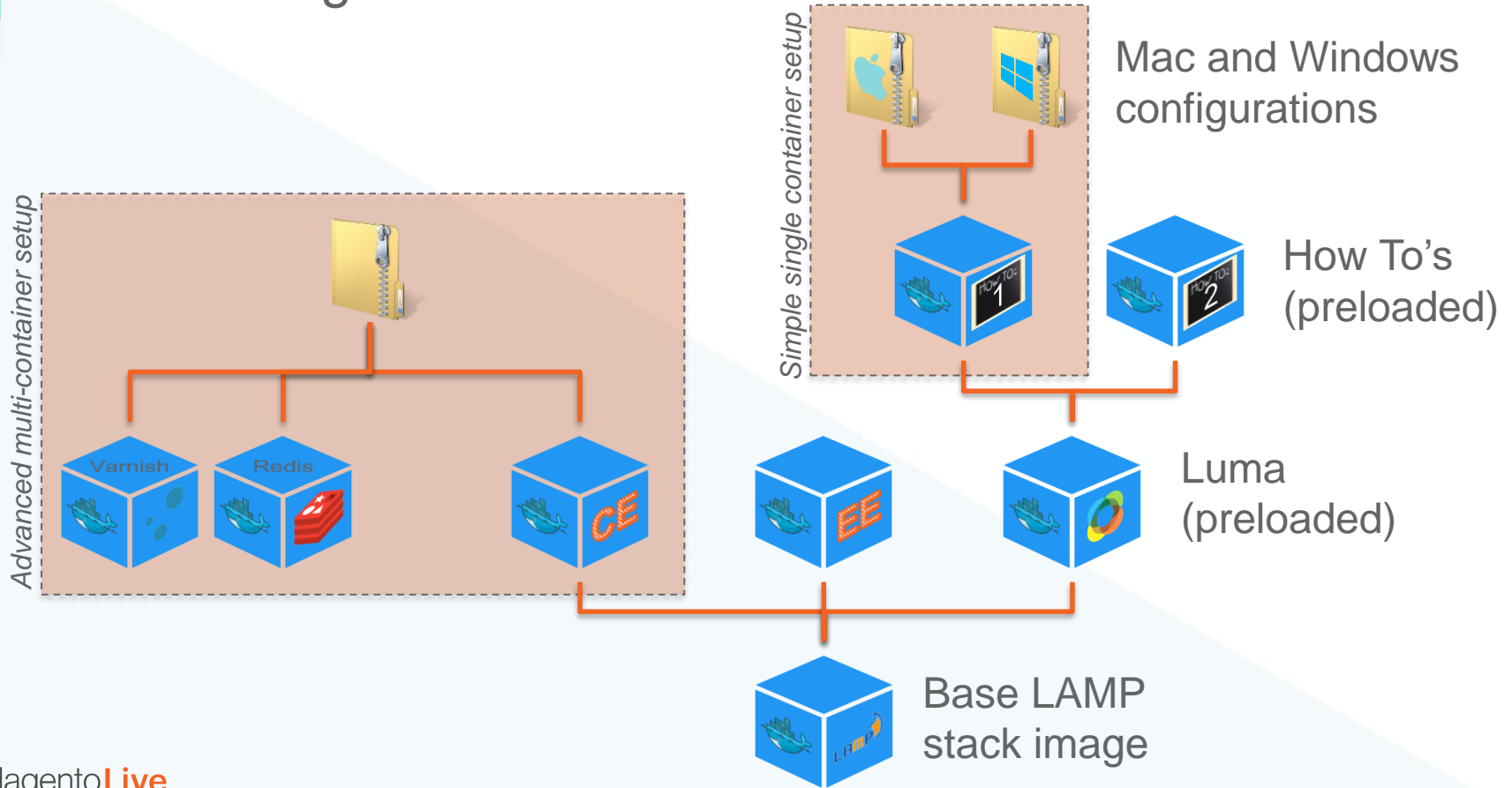
* Subject to change! Tried Unison, rsync, shared file system, NFS mounts and more.

The screenshot shows the 'Download Magento Developer Toolkit' page on the Magento Resources website. The page is titled 'Download Magento Developer Toolkit' and has a sub-header 'Select an installation type'. There are three main options:

- Create New:** Indicated with a red checkmark, it involves creating a project with a new Magento installation.
- Link from Local:** Involves linking an existing Magento project from a local machine.
- Clone from Cloud:** Involves cloning an existing Magento store from Magento Cloud.

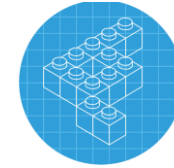
Below these options is a 'Default Setup' section with an 'Edit Setup' link. The 'Access Keys' section contains two input fields: 'Enter your Magento Private Key' and 'Enter your Magento Public Key'. There are two buttons: 'Select existing' and 'Generate new keys'. The 'Operating System' section has a dropdown menu currently set to 'Mac OSX'. At the bottom, there is a large orange button labeled 'Generate and Download'.

Docker Image Variations





Frontend WIP



B E M

<https://en.bem.info/>

Current

- Adopt BEM (or similar) for clearer CSS class naming rationale?
- Simpler HTML out of the box versus easier to restyle with just CSS?
- Make Community (SNOW.DOG) driven Sass port standard?

Future

- Ongoing JavaScript review



<http://sass-lang.com/>



- Project directory structure & git
 - .gitignore vendor, var, pub/static
 - Use Composer to download 'vendor' directory contents
- Grunt and Gulp
 - Great tools for Less and Sass compilation
 - Mac: Docker 1.12 shares work + Unison internally works fine
 - Windows: Unison file sync correctly generates iNotify events in container
- PHP Storm
 - Remote interpreter (ssh into Docker container) – no need for local PHP on laptop, even when running unit tests



750+

- 750+ approved extensions on marketplace.magento.com and growing
- Targeted most important extensions first



Extensions

Find applications and services that extend the reach of your Magento store

 Extensions ▼

Platform: Magento 2 ▼ | Edition ▼ | Versions ▼

Rating ▼ | Price ▼ | Stability ▼ | Partner Type ▼

Showing 5 results for your search of 'fooman' in Extensions

Most Relevant ▼



Fooman Print Order Pdf



Fooman Email Attachments



Order Number Customiser

Marketplace Purchase Flow

Magento Marketplace
EXTENSIONS THEMES Q Sign In

Fooman Print Order Pdf

Magento Edition
Community

Technical Support Period
Extension is provided without support.

Installation
 Installation Service (+\$99.00)

FREE [Add to Cart](#)

Use a Connected Account Log In

[Connect with Magento](#)

Email
akent@magento.com

Password
[REDACTED]

[Forgot Password](#) [Log In](#)

[Create an Account](#)

Magento Marketplace ALAN

Order Review

Total: **FREE**

Order Details [Edit](#)

Fooman Print Order Pdf **FREE**

Magento Edition	Support Period	Installation
Community	None	None

Payment Details

Address
Alan Kent, 2419 Westgate Ave, San Jose, California 95125

Payment Method
No Payment Information Required

[Place Order](#) [Keep Browing](#) [Need Help? Contacts Us](#)

Magento Marketplace

Shopping Cart

[Go to Checkout](#) [Keep Browing](#)

Fooman Print Order Pdf was added to your shopping cart.

	Fooman Print Order Pdf Change	FREE x <input type="text" value="1"/>
Magento Edition	Support Period	Installation
Community	None	None

[Update Shopping Cart](#)

Total: **FREE**

[Go to Checkout](#) [Keep Browing](#) [Need Help? Contacts Us](#)

Magento Marketplace EXTENSIONS

Thank you for your order

[My Account / Downloads](#)

Order number is: **300001713**

You will receive an email confirmation shortly at akent@magento.com

[Print Receipt](#)

[Keep Browing](#)

Magento 2

Fooman Print Order Pdf

Choose version

2.0.3

[Download](#)

Technical details

Component name: [Copy](#)
fooman/printorderpdf-m2

Component version: [Copy](#)
2.0.2

\$ composer require fooman/printorderpdf-m2 2.0.2

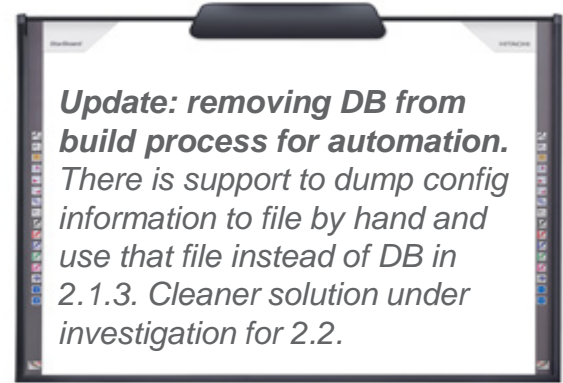
Also going to improve web install experience



Magento Cloud deployment steps

```

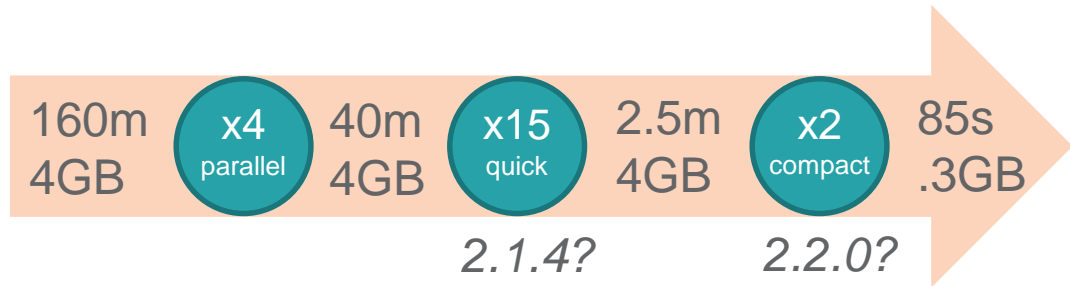
$ composer require fooman/printorderpdf-m2 2.0.2
$ magento setup:upgrade
$ git add composer.json
$ git commit
$ git push
  
```



Deployment performance

3 areas (frontend & admin)
 5 themes (4 frontend & admin)
 32 locales

160 deployed packages.





Want to engage more?

- Twitter (@magento, @MagentoDevDocs, @akent99, lots more)
- Forums - see “Community” on the magento.com site
- Conferences – popping up everywhere, Meet Magento
- DevDocs – accepting pull requests for doc improvements
- GitHub – github.com/magento/magento2 issues for bug reports
- GitHub – PR to fix a bug
- Feature ideas go in forums
- New Ebook initiative for those with greater commitment



Magento is continuing to explore...

- Improving patch release automation
- SemVer, upgrades, and patches
- Release notes
- Hot fixes – patching patches

Setup and installation

- Download page
- Docker container

Getting up to speed

- Free online training (Dec)
- Short How To videos
- Community content curation

Identified areas for improvement

Deployments

- Speed improvements
- More in 2.1.4, better in 2.2.0

Bug backlog

- 2.1.3 has ~90 bug fixes
- 2.1.4 will have more
- Internal process changes with renewed priority for bugs

Patching and Upgrades

- More “official” APIs
- Improved “public” definition
- 2.2+ timeframe

Q & A

Security

Many exploits are easy to avoid

- Set up strong passwords and change them periodically
- Don't use "admin" as your admin account – make it hard to guess
- Install all security patches and updates immediately
- Subscribe to security alerts at <https://magento.com/security/sign-up>
- Check you store on <http://MageReport.com> monthly
- Review all Admin user accounts monthly
- Verify file permissions monthly
- Check systems for unauthorized programs
- Put Magento [Security Best Practices](#) in place

OWASP Developer guidance

- Writing code? "[Read OWASP Top 10 – 2016 Proactive Controls](#)"