NEW ORLEANS

DRUPALCON 2016

Using a mallet when you really need a Mjölnir

Chris Urban, Acquia

- What tools are there we can use in place of JIRA?
- What has Philadelphia contributed?

Assumptions

- Familiar with Scrum and Kanban styles
- Have a need for project management help
- Google Sheets or Excel isn't cutting it
- Preference for open-source projects
  - Self hosted, cloud hosted
  - Allow self-management
  - No licensing fees

Tasks to be Addressed

- Project Planning
  - Resource allocation and timing
- Backlog management
- Sprint management
  - Ticket management: User Stories, Bugs, Tasks
  - Progress of work
  - Effort estimates, applied
  - Reporting on all of above

Philadelphia Phact #1

The Agile Manifesto was concocted by a bunch of 17 guys waiting in line for cheesesteaks.
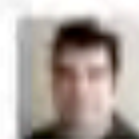
SPRINT & PROJECT TOOLS

Trello

- Simple, Intuitive UI
- Free:
  - unlimited boards, user, cards, etc.
  - Attachments up to 10MB
- Trello Gold:
  - Integrations with Evernote, Github, Mailchimp, Slack, Salesforce, Google Drive and Hangouts, Dropbox
  - $8/user/mo
- Premium:
  - Plus SAML 2.0, encryption, extra security

Chris' Website

Urban-o-rama ⭐ 👥 Team Visible ...

To Do

Install Ubuntu
👁

Install Modules
🕐 Apr 26

Install theme
💬 1 ☑ 0/4 🕐 May 2

Review content
💬 1 🕐 May 26

Launch site
🕐 May 27

Add a card...

In Progress

Add content
🕐 May 20

Add a card...

Uninstall Windows XP
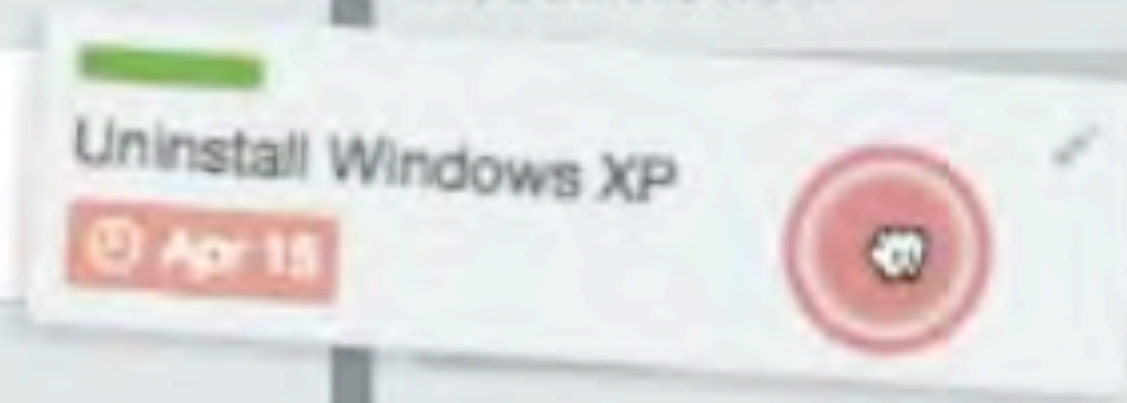🕐 Apr 15

Needs Review

Add a card...

Done

Install Drupal
🕐 Apr 8

Add a card...

Ad

Trello

- Keyboard shortcuts
  - B – switch among your boards
  - F – filter cards
  - L – label a card
  - E – edit a card
  - [ ] – assign to yourself
  - Copy/paste from excel
- Connect from a Google Sheet

Restyaboard

- Great alternative to Trello
- No member restrictions
- Run on Amazon AWS
- Import from Trello; no export
- Performance issues in IE

Restyaboard

To Do

Uninstall Windows XP

Apr 15, 2016   #47

Install Ubuntu

#48

CU

Install Drupal

💬 1   Apr 8, 2016   #49

CD

Install Modules

Apr 26, 2016   #50

Add a card

In Progress

Add a card

Needs Review

Add a card

Done

Add a card

Add a list

⚙ **#47** Uninstall Windows XP in list To Do   − ⤢ ✕

🖼 Uninstall Windows XP in list **To Do**

Members

➕

Labels

green

➕

Votes

👍

0 Vote

Due Date

Apr 15, 2016

Description

Activity

Write a comment

CU

Chris Urban added card Uninstall Windows XP to list "To Do".

5 days ago

Philadelphia Phact #3

- Betsy Ross invented the Content Management System for George Washington

Drupal

https://ourdadsflag.com/2012/06/14/flag-dad-days/

Libreboard/Wekan.io

- Another alternative to Trello
- Libreboard: Too Trello; defunct
- Wekan.io next iteration, brand spankin new
- Runs on Sandstorm, Meteor.js

Wekan

Wekan

Filter   Multi-Selection

To Do

- Site Content
- Add Content
- Migrate content
- Review Content
- Launch Site
- Launch Party

Add ✕

Doing

- Install Drupal
- Install modules
- Install Theme

+ Add a card

Done

- Server Prep
- Uninstall Windows
- Install Ubuntu
- Drupal prepr

+ Add a card

+ Add a list

55 : 14

Sprint Burndown

Asana

- Project and task management
- Calendar and integrated chat
- Free up to 15 users
- Premium: $5/user/month
- Gantt charting
- Chrome Extension to add tasks with URL
  - Useful for issue or bug tasking while in development

Instagantt

- Directly connected with Asana account
- More intuitive planning interface
- Assign due dates, start dates
- Note progress
- Convert Tasks to Milestones
- Export as image or spreadsheet

Instagantt

Gantt   Workload   Upgrade ★

Filter projects...

PROJECTS

☰ New Site Build

▼ FILTERS

🏷 Admin
🏷 Data Migration
🏷 QA
🏷 server
🏷 UX

☰ Next New Site

☰ WordPress site migration
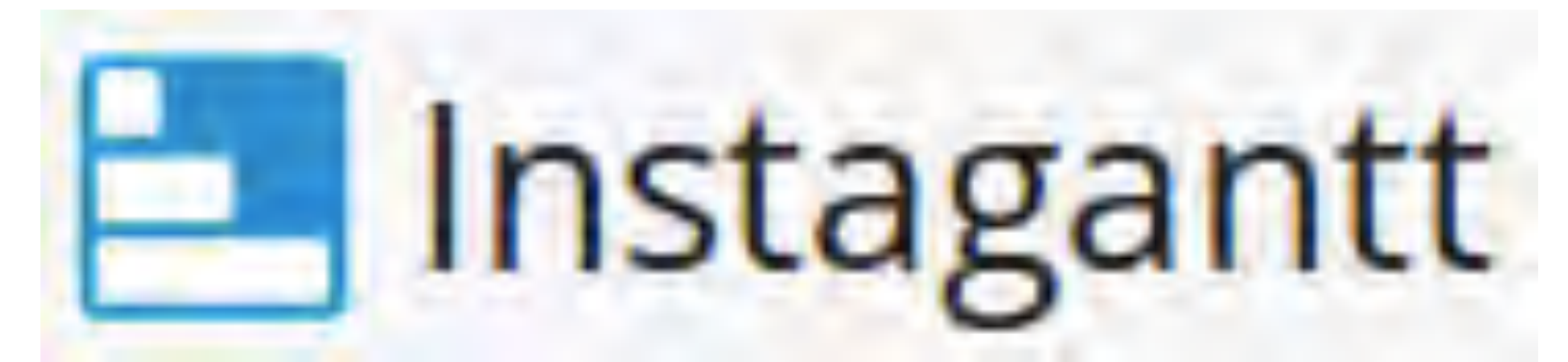
Connect Projects

Sync Projects List

Help Guide

➕ New task 🔍   Search tasks...   ▦ ▾

					May 2016
30 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23

⊕	☐ 👤	Server Prep	☰2	50%
⊕	☐ 👤	Drupal prep	☰3	0%
⊕	☐ 👤	Site Content	☰2	0%
4	☐ 🔴	Launch site		0%
5	☐ 🔴	Launch party		0%
6	☐ 👤			0%
7	☐ 👤			0%
8	➕	Create a new task...		

In Sync

↺ Undo

🔍 Zoom

☰ Subtasks

➤ Select

📅 Today

🗐 Duplicate

Agantty

- New product, in open beta
- Free!
- Unlimited projects, teams, tasks
- Ideal for small or medium-sized teams

Dashboard
04/18/2016 - 04/24/2016

TODAY **THIS WEEK** THIS MONTH RANGE

TASK	PROJECT / TEAM	USER / DATE
Site One Build 03/31/16 - 05/27/16		
☐ Add Modules	**Site One Build** Team One	C C-Dog · We, 04/20 - Tu. 04/26 · +5 D.
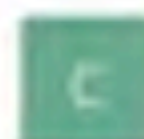
▾ FINISH 1

Dashboard

Here you can see the tasks you have to do. You can order the list based on your selections. If you want to concentrate on selected projects or just want to see a specific timeframe, easy!
Just select it at the top. You can also mark tasks as finished.

BTW: Your selection will be saved until you change your selection.

CREATE PDF

Pointing Tickets

- Keep it fair
- Keep voting time to a minimum
- Use resource like pointingpoker.com
  - Have TA enter in tickets title and timebox voting
  - EM monitors grooming backchannel
  - Pre-determine voting {1,2,3,5,8,13,?}

Pointing Poker

Home   Retro   About   Hall of Fame   Hello chrisurban!   Log off

Session ID: 24139

Chris U

Story Description:

URB-001 Install Drupal 8

| Clear Votes | | Show Votes |

Time: 00:01:02

| 0 points | 1 point | 2 points | 3 points |
| 5 points | 8 points | 13 points | ? |

Player	**Points**
✔ Chris U	8
C Dog	

Want to invite someone? Send this link:

http://www.pointingpoker.com/24139

... or enter email addresses for invitees here:

History

AgilePad

- Different take on sprint board
- Simple and easy to use
- Completely text based
  - No error checking
  - No user recognition
- Pivot by %status #tag or @person
- List and Calendar views
- Free and $5/mo Premium

3 Project End Date &2016-06-04

4

5 ### Server Setup
6 [-] Server Prep
7 [-] Uninstall Windows XP #PITA ^13
8 [-] Install Ubuntu ^5

9

10 ### Drupal Setup
11 [-] Drupal prep
12 [-] Install Drupal
13 [-] Install modules
14 [-] Install theme

15

16 ###Content
17 [-] Site Content
18 [-] Add content
19 [-] Review content

20

21 ### Wrap It Up

Syntax Help ⌄

[-] or [#id]	task
[!]	milestone
###	section
@john	person
#remember	tag
&2014-5-25	event
%pending	status
^200	relative cost
John>>>	user comment
{{file.dat}}	file reference
///	comment
\	continue on next line
=== html	code block
Hello!	

Taiga.io

- Potential JIRA replacement for smaller teams
- Python based
- Intuitive if familiar with JIRA
- Cloud hosted:
  - Free: 1 private project, 25 members
  - $19- $99/mo for 5 to 50 private projects
  - $10k Sponsorship
- You set up Server: free
- Unlimited public projects, unlimited users

PROJECTS DASHBOARD

WORKING ON

Sample Drupal Project Issue New
#13 Are comments on old content retained?

Sample Drupal Project Task In progress
#24 Install views, pathauto

WATCHING

Sample Drupal Project Task In progress
#24 Install views, pathauto

Sample Drupal Project Issue New
#14 Metatags missing

Sample Drupal Project

This is a prototype project for Drupal development.

♥ 0   👁 1   👤 1   🔒

MANAGE PROJECTS

IceScrum

- Java based
- Run locally!
  - Requires Java 7 (Current OS X runs Java 8)
- Free community license
- Pro adds Icebox and Roadmap features

Dashboard | Sandbox | Pitch

Chris Urban

Sandbox

+ New

No stories

Actors

+ New

Empty actor list

Features

+ New

Install Drupal 8

Install Drupal modules

Server Prep

Product Backlog

Empty story list

Dashboard

Charts ▾

Project ind...

Dashboard

Welcome to your project Dashboard! It provides a great overview of your project.

‹ Prev | Next » | End tour

...maining time

No data... ...first sprint

| Project description | Edit |

No description currently defined

| Release vision | Edit |

Build an awesome web site on Drupal 8

| Current definition of done |

No definition currently defined

| Current retrospective |

No retrospective currently defined

Activities

Chris Urban has updated Story Install Drupal modules
08/05/2016 23:14:00

NEW ORLEANS
DRUPALCON 2016

Philadelphia Phact #6

•Bitcoins were first minted at the Mint in Philadelphia in 1792

http://www.dailytech.com/Norwegian+Man+Makes+Bitcoin+Fortune+from+27+Investment/article33657.htm

Other Free

- Kanbantool.com 2 boards, 2 users
- TaskBoard
  - github.com/kiswa/TaskBoard

More Tools Not Reviewed (yet)

ProjectLibre

- http://www.projectlibre.org/product/projectlibre-open-source

LibrePlan

- http://www.libreplan.com/download/

OpenProject

- https://www.openproject.org/download

Tuleap Open ALM

- https://tuleap.net/plugins/git/tuleap/tuleap/stable

TaskBoard

- https://github.com/kiswa/TaskBoard/archive/master.zip

]project-open[

- http://www.project-open.com/en/list-installers

Redmine

- http://www.redmine.org/projects/redmine/wiki/Download
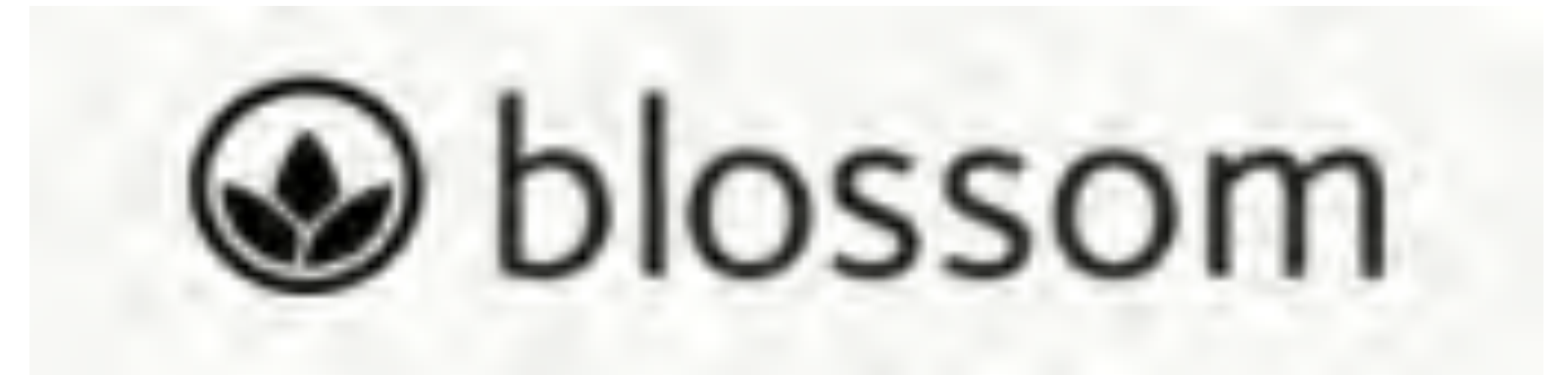
Agilefant

- https://github.com/Agilefant/agilefant

Blossom.co

- 5 members, $19-22/mo
- Potential JIRA
  Kanban board replacement
- Cycle time for feature cards on board
- Integrates with Github, Slack, Hipchat,

Urban Website

Install and launch a new site

⊘ Add Roadmap ...

⟋ Analytics

| User Experience | Implementation 2 of 1 | Review 1 of 2 | Party |
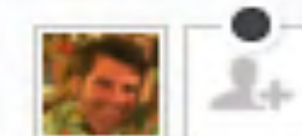
User Experience

Add a Feature ... +

Add new content
Why?

Review content
Why?

Launch Site
Why?

Implementation 2 of 1

Install theme
Why?

Migrate Site Content
Why?

Review 1 of 2

Install Drupal 8
📅 Mo, May 9   Why?

CARD IS READY
READY

Install Modules
Why?

Party

Assembla

- Tight integration with SVN
  or Github repo
- Nice interface
- $24/mo 12 users, 2 spaces, 5GB storage
- Plans up to 50 users, then $10/user/mo.

⊕ New Ticket   **List**   Planner   Cardwall   Milestones   Metrics   Batch Update   Settings

▸ **Filter**   **Active by Milestone**   Filter [Active by Milestone ⇕]   Filter by Tag [⇕]   📋 13   Export: 📄 CSV 📄 XML 🖨 Print

No Milestone

#	Summary		Assigned To	Status
⭐ 2	Server Prep	⚙		Ready
⭐ 3	Uninstall Windows XP	⚙		Ready
⭐ 4	Install Ubuntu	⚙		Ready
⭐ 5	Drupal prep	⚙		Ready
⭐ 6	Install Drupal	⚙		Ready
⭐ 7	Install modules	⚙		Ready
⭐ 8	Install theme	⚙		Ready
⭐ 9	Site Content	⚙		Ready
⭐ 10	Add content	⚙		Ready
⭐ 11	Review content	⚙		Ready
⭐ 12	Launch site	⚙		Ready
⭐ 13	Launch party	⚙		Ready

Current

#	Summary		Assigned To	Status
⭐ 1	Hi @chrisurban! Welcome to Assembla's Tickets Tool!	⚙	chrisurban	Ready

Tools

Ticketing Tools

🗑 Remove	**Tickets**

Create and organize tickets for managing development tasks, bug reports, issues, feature requests, and agile story and release planning. Includes three views - Ticket List, Cardwall, and Agile Planner.

⊕ Add	**Support**

The Support tool integrates with the Ticket tool to provide customers a support ticket system for submitting and following issues, bugs, and feature requests. Customers get a personal view of the tickets that they submit.

Repositories

⊕ Add	**SVN**

A Subversion repository featuring commit alerts, a code browser with full syntax highlighting, inline code commenting, and "view as a webpage". All hosted on our triple-redundant servers.

⊕ Add	**P4**

A Perforce depot that utilizes streams for up to 17 users. If you need more users, please contact our support department about additional licensing.
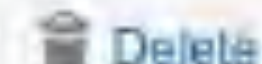
⊕ Add another	**Git**

Git is a distributed version control system with full support for branches and SSH key

Installed tools

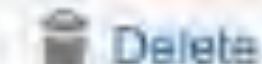| Time		🗑 Delete
Messages	⚙ Settings	🗑 Delete
Tickets	⚙ Settings	🗑 Delete
StandUp		🗑 Delete
Files		
Wiki	⚙ Settings	🗑 Delete
Git	⚙ Settings	🗑 Delete

Gemini (Countersoft)

- Nice JIRA alternative
- Intuitive layout
- Easy filtering
- Integrated Chat
- $10/user/mo or Enterprise for $850/10 users
  - Enterprise: On your server; Source code licensing

Using JIRA like a Mjölnir

JIRA: Mjölnir among Mallets

- Sprint and Kanban boards; multiboards
- Labels
- Custom Fields
- Time tracking
  - Custom field
  - Using
- Components
- Workflows

JIRA Components

Components

- Associate with content types "Content: Article"

- Organizes tickets to optimize traceability

- Subset QA Testing

- Utilize general use cases "Content Editing," "Image Editing"

- Add others based on Epics "Analytics," "Advertising," "Metadata," "Global Menu," "Footer"

JIRA Components

- Admin Settings
- Advertising
- Commerce
- Content Scheduling
- Content: Article
- Content: Calendar
- Content: Event
- Content: Forms
- Content: Home Page
- Content: Media
- Content: News Release
- Content: Photo Gallery
- Content: Video
- Documentation

→ Editing Content
→ Editing Images/Media
→ Error Pages
→ Global Footer
→ Global Navigation
→ Integration: Analytics
→ Integration: Asset Storage
→ Integration: Authentication
→ Integration: CDN
→ Integration: Content Hub
→ Integration: Generic
→ Integration: Salesforce
→ Integration: Social
→ Integration: YouTube

- Internationalization (i18n)
- Localization (L10n)
- Metadata
- Multisite
- Search
- Security
- SEO
- Setup: Server
- Setup: Site
- Site Performance
- Testing
- URL Management
- User Forms
- User Groups
- User Profile
- Workflow & Roles

Custom fields: Teams

- **Developer**

- **Team**

- Useful for tracking team performance

- Identify primary contributor to ticket

Custom fields: Branch

- Multiple environments
- Dev branches spanning more than two sprints
- Minimize QA and UAT confusion

JIRA Tips & Tricks

- Backlog view: Color code by JQL
  or Custom Field (Teams)
- Create "sprints" for backlog organization
  - Manage sprint allocations
- Multiple boards for different audiences

Custom Fields: Time Spent

- Time Spent fields
- Add as required field in Screen on Transitions
- Add as similar field for QA
  - Identify tickets that were difficult and/or time-consuming

SP1 board
Sprint 1

3 days remaining Complete Sprint   Board ▾

QUICK FILTERS: Only My Issues   Recently Updated

To Do	In Progress	QA	UAT	Staging	Done

▾ Stretch 1 issue

SP1-43
Expire/un publish a content
Unassig...
None 2

▾ Everything Else 7 issues

S...-149
Module Selection
Unassig...
None 2

SP1-15
Style Guide
Unassig...
None 2

SP1-29
Global Footer
Unassig...
None 2

SP1-2
Test Story
None
None 5

SP1-30
Global Header
Unassig...
None 2

SP1-13
Functional Specificati on
Unassig...
None 2

SP1-27
Global Navigation
Unassig...
None 2

Sample Project 1 / SP1-15   ··· ✕

Style Guide

Estimate: 2

Details

Status: IN PROGRESS

Component/s: None

Labels: None

Affects Version/s: None

Fix Version/s: None

Epic: None

People

Reporter: Chris U

Assignee: Chris Urban

JIRA REST API

Use JIRA REST API

```
1    {
2        "expand": "schema,names",
3        "startAt": 0,
4        "maxResults": 50,
5        "total": 35,
6        "issues": [
7            {
8                "expand": "operations,versionedRepresentations,editmeta,changelog,transitions,renderedFields",
9                "id": "97106",
10               "self": "https://▓▓▓▓▓▓▓.atlassian.net/rest/api/2/issue/97106",
11               "key": "▓▓▓▓-3607",
12               "fields": {
13                   "customfield_13100": null,
14                   "customfield_13101": null,
15                   "fixVersions": [
16                       {
17                           "self": "https://▓▓▓▓▓▓▓.atlassian.net/rest/api/2/version/17511",
18                           "id": "17511",
19                           "description": "Created from Aha! https://▓▓▓▓▓.aha.io:443/releases/DOTCOM-R-44",
20                           "name": "1.1.27",
21                           "archived": false,
22                           "released": false,
23                           "releaseDate": "2015-10-12"
24                       }
25                   ],
26                   "customfield_13500": null,
27                   "customfield_11200": null,
28                   "resolution": {
29                       "self": "https://▓▓▓▓▓▓▓.atlassian.net/rest/api/2/resolution/10000",
30                       "id": "10000",
31                       "description": "",
32                       "name": "Done"
33                   },
34                   "customfield_11201": null,
```
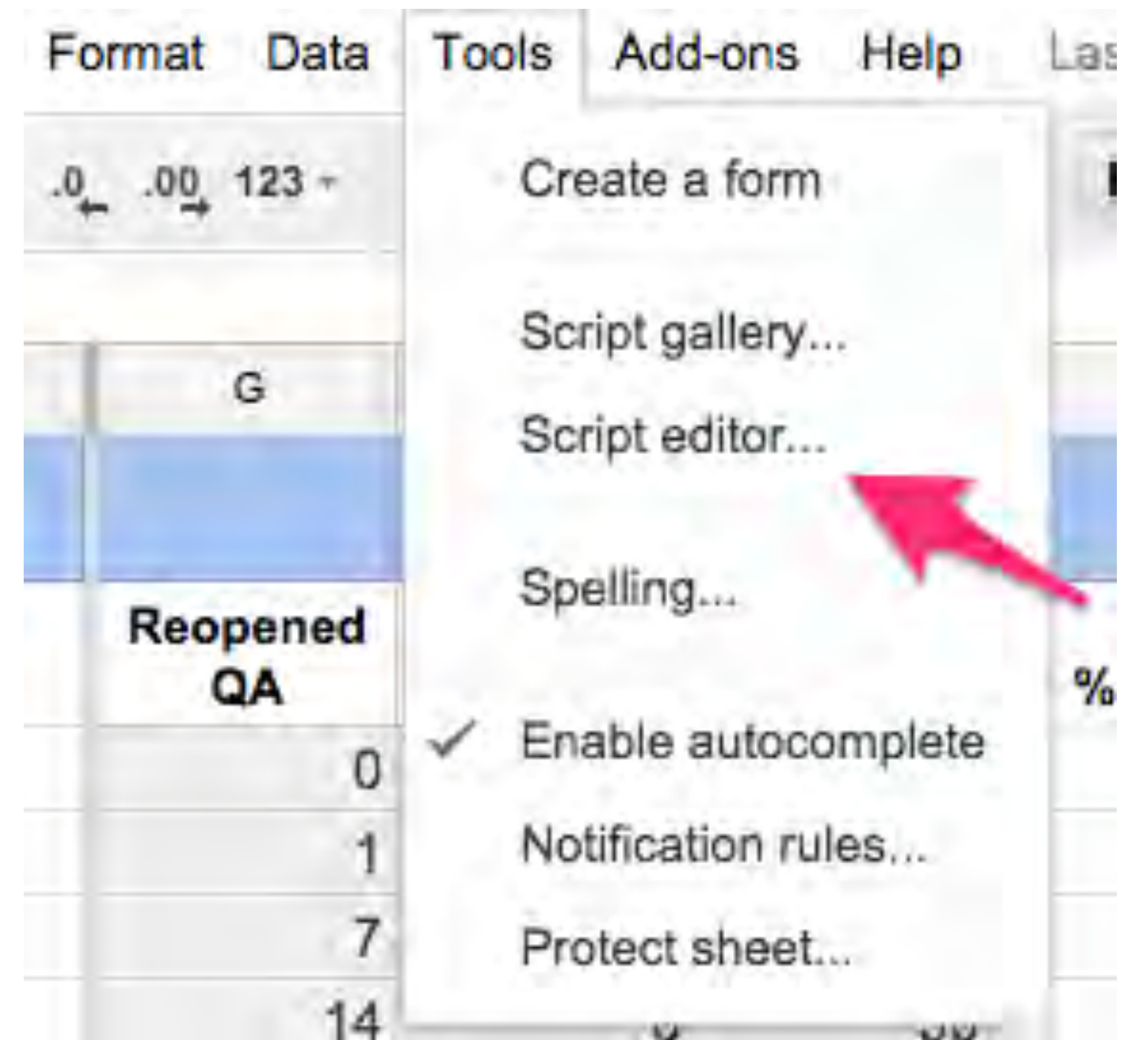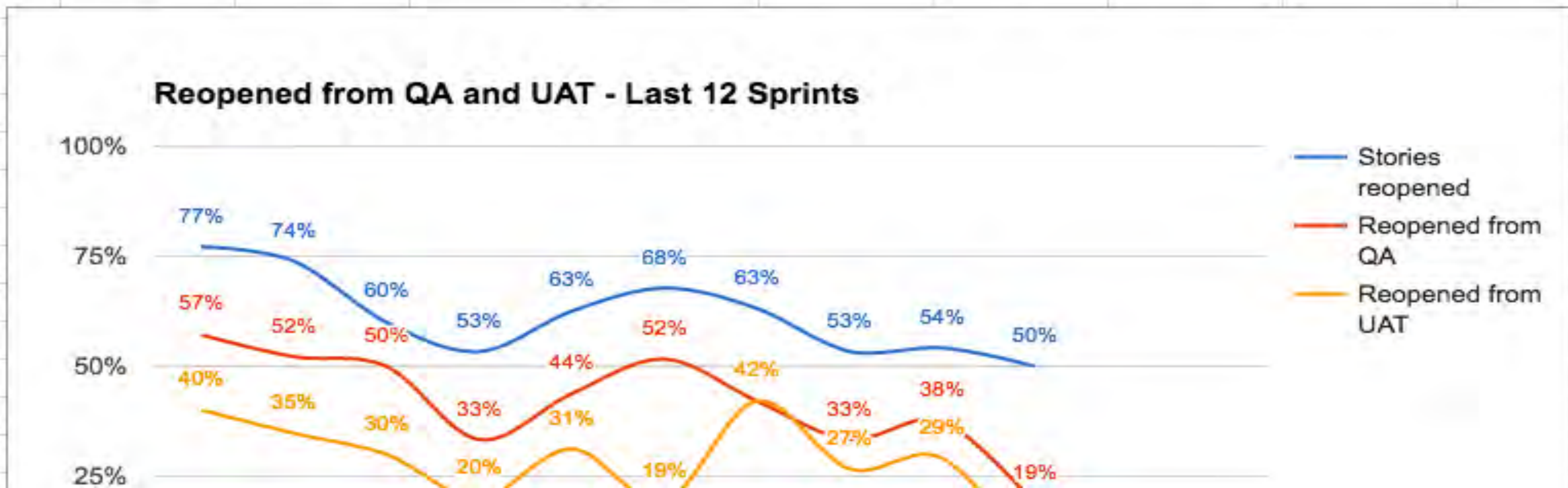
Use JIRA REST API

- Google Sheets
- Script Editor
- Pass Queries directly
- Update tickets ?

Sprint Reporting

File   Edit   View   Insert   Format   Data   Tools   Add-ons   Help   All changes saved in Drive

Comments   Share

fx =calljira("project=PROJECT AND type != Sub-task AND sprint = ",$B14)

	A	B	C	D	E	F	G	H	I	J	K	L
2	Sprint	Sprint ID	Fix Version	Tickets	Stories	Bugs	FV Stories	FV Bugs	Reopened	Reopened QA	Reopened UAT	Closed
14	Sprint 29	1122	1.1.29	=calljira("project=PROJECT AND type != Sub-task AND sprint = ",$B14)						20	14	55
15	Sprint 30	1154	1.1.30	35	23	12	25	14	17	12	8	37
16	Sprint 31	1192	1.1.31	28	20	8	19	7	12	10	6	31
17	Sprint 32	1235	1.1.32	35	30	5	33	5	16	10	6	40
18	Sprint 33	1264	1.1.33	21	16	5	16	6	10	7	5	21
19	Sprint 34	1290	1.1.34	45	31	14	26	14	21	16	6	45
20	Sprint 35	1337	1.1.35	29	19	9	19	8	12	8	8	29
21	Sprint 36	1372	1.1.36	51	30	20	25	4	16	10	8	49
22	Sprint 37	1403	1.1.37	36	24	10	71	12	13	9	7	36
23	Sprint 38	1432	1.1.38	29	16	13	21	8	8	3	1	10
24	Sprint 39	1453	1.1.39	32	25	7	21	5	6	4	1	3
25	Sprint 40	1486										

Reopened from QA and UAT - Last 12 Sprints

- Stories reopened
- Reopened from QA
- Reopened from UAT

100%

77%   74%

75%   68%   63%
        60%   63%
57%   53%   53%   54%
     52%   50%   52%   50%

50%   40%   42%
        35%   44%
               33%   31%   33%   38%
          30%   27%   29%

25%   20%   19%   19%

Use JIRA REST API

- Try example script:
- Github: chrisurban/**jira-sprint-reporting**

```
40
41   function calljira(query,sprint) {
42       var parameters = {
43       method : "get",
44       accept : "application/json",
45         headers: {"Authorization" : "Basic " + Utilities.base64Encode( jirauser + ":" + jiraauth )}
46
47         //
48         // Authorization: Basic ZnJlZDpmcmVk" -H "Content-Type: application/json"
49       };
50
51     var jira_url = "https://" + jiraurl + "/rest/api/2/search?jql=" + encodeURIComponent(query) + sprint;
52
53     var text = UrlFetchApp.fetch(jira_url, parameters).getContentText();
54     var data = JSON.parse(text);
55
56     return data.total;
57
58   }
```

What You Learned

- Lots of tools out there to try
- Charting
- Planning
- Pointing
- Kanban and Sprint boards
- Labels for Demos

- Use Components
- Pointing practices
- Custom fields
- Leverage JIRA REST API
- Other tips & tricks

Projects referenced

- Trello
- Restyaboard
- Libreboard/Wekan
- Asana
- Instagantt
- Agantty
- pointingpoker.com

- AgilePad
- Taiga.io
- IceScrum
- Blossom.co
- Assembla
- Gemini
- JIRA

Learn More!

- JIRA Tips and Tricks
- Acquia booth Wed. 5/11 4pm-6pm
- Cover in more detail:
  - Components
  - Labels
  - Backlog Pruning
  - Planning your Grooming
  - …and More!

NEW ORLEANS
DRUPALCON 2016

Questions ?

· Chris Urban, Delivery Manager, Acquia
· chris.urban@acquia.com
· @_urban_ d.o: urbanlegend

Corrections

- Ben Franklin did not invent Agile
- Ben is attributed as the author of "a penny saved…" adage.
- Chris is not the "lost 18th signer" of Agile Manifesto
- No cheesesteaks were harmed, eaten or considered when the Agile Manifesto was formulated in Colorado.
- Betsy Ross did not invent Drupal. That was Dries, duh.
- Philadelphia's skyline is pretty to look at, but was not designed to replicate a burndown chart.
- Bitcoins are not actually minted anywhere.
- Philadelphia means "City of Brotherly Love"

So How Was It? - Tell Us What You Think

Evaluate this session — bit.ly/sprint-tools

Thanks!