

ROME - APRIL 13/14 2018

{CODEMOTION}

{ From Hackathon to Production in a Year

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@kropp



Hackathon

48 hours

100+
participants

40+
projects

GAME OF CODES





HACKATHONS

JetBrains Hackathon 2017



winners'
cup



Do anything you want



Thank-o-meter



**See a need —
fill a need**

dotMemory

Unit



Toolbox

App



YouTrack

Mobile



Toolbox App



A control panel for
your tools and projects



Projects Tools

Search

FAVORITES

**jetbrains-toolbox**

~/work/toolbox

12 minutes ago

**exposed**

~/work/exposed



Add to favorites

Hide project from Toolbox

**jsontest**

~/work/js

**qt5sprinter**

~/work/qt

IntelliJ IDEA Community 2017.2.5

IntelliJ IDEA Ultimate 2017.3 EAP ✓

**ConsoleA**

~/tmp/ConsoleApplication/ConsoleApplication.sln

**Upsource**

~/work/upsources

3 months ago

**jsonld-metadata**

~/work/jsonld-metadata

4 months ago

**ganalytics**

~/work/qt-google-analytics

9 months ago

**gradle-teamcity-gitversion-plugin**

~/work/gradle-teamcity-gitversion-plugin

9 months ago

**chrome-open-tabs-in-bg**

10 months ago

Team

Team

Core Developers

Windows

macOS

Linux

and

UI/UX designer

UI developer

IntelliJ developer

Team

Core Developers

Windows

macOS

Linux

Intern

and

UI/UX designer ×2

UI developer

IntelliJ developer

UI developer

Support engineer

Ring UI



Users

Groups

Spaces

Services



Log in...

Run...

Button one

Button two

Button three

Another action

20 Sep 2014 ▾

20 Sep 2014						
Mo	Tu	We	Th	Fr	Sa	Su
18	19	20	21	22	23	24
25	26	27	28	29	30	31
September						
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					
October						
				1	2	3
				4	5	
6	7	8	9	10	11	12

some text on top

before  Some text after

some text under loader

Unchecked by default



Checked by default



Disabled unchecked



20%

project

Cross-platform development

There are **lots** of platform specific things

Every feature must be tested on all supported operating systems

Design for compatibility

Backward compatibility

Forward compatibility

Security

Always keep security in mind

- **HTTPS** only
- Signed data source
- Checksums for downloads

Code review

Find bugs **early**

Share knowledge

Improve code **quality**

Consistent design

Automate everything

Continuous Integration server **compiles** the app
after each commit

CI server runs **tests**

Release is published with a **single click**

<input type="checkbox"/> Installers (Stable) ▾		Pending (100+) ▾	Idle	Run ...	×
<input type="checkbox"/> Build Smoke ▾			Idle	Run ...	×
<input type="checkbox"/> Build All ▾		Pending (100+) ▾	Idle	Run ...	×
<input type="checkbox"/> Test All ▾		Pending (100+) ▾	Idle	Run ...	×
<input type="checkbox"/> Feeds Acceptance Tests ▾			Idle	Run ...	×
<input type="checkbox"/> Upload Release ▾	No builds to display	Pending (100+) ▾	Idle	Run ...	×

<input type="checkbox"/> Build ▾		<Active branches> ▾		no hidden ▾	×
▶ <input type="checkbox"/> Build Number ▾			Idle	Run ...	×
▶ <input type="checkbox"/> Build UI ▾			Idle	Run ...	×
▶ <input type="checkbox"/> Build Chrome Extension ▾			Idle	Run ...	×
▶ <input type="checkbox"/> Build Mac OS X ▾			Idle	Run ...	×
▶ <input type="checkbox"/> Build Mac OS X Debug ▾		Pending (100+) ▾	Idle	Run ...	×
▶ <input type="checkbox"/> Build Windows ▾			Idle	Run ...	×
▶ <input type="checkbox"/> Build Windows Debug ▾		Pending (100+) ▾	Idle	Run ...	×
▶ <input type="checkbox"/> Build Linux Applmage ▾			Idle	Run ...	×

<input type="checkbox"/> Docker ▾	Various Docker images used for building and testing Toolbox App	<Active branches> ▾	5 successful	no hidden ▾	×
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<input type="checkbox"/> External Libraries ▾		<Active branches> ▾		no hidden ▾	×
▶ <input type="checkbox"/> OpenSSL (Linux) ▾			Idle	Run ...	×
▶ <input type="checkbox"/> OpenSSL (Mac OS) ▾			Idle	Run ...	×

<input type="checkbox"/> Feed ▾				no hidden ▾	×
▶ <input type="checkbox"/> v1 Internal Feed ▾			Idle	Run ...	×
▶ <input type="checkbox"/> v1 Public Feed ▾			Idle	Run ...	×
▶ <input type="checkbox"/> v1 Publish Internal Feed ▾			Idle	Run ...	×
▶ <input type="checkbox"/> v1 Publish Public Feed ▾			Idle	Run ...	×

Eating your own dog food

Eating your own dog food,
also called **dogfooding,**
is a slang term used to reference a
scenario in which an organization uses its
own product.

The idea is that if the organization truly
believes its own product to be superior, it
would use the product itself

Dogfooding

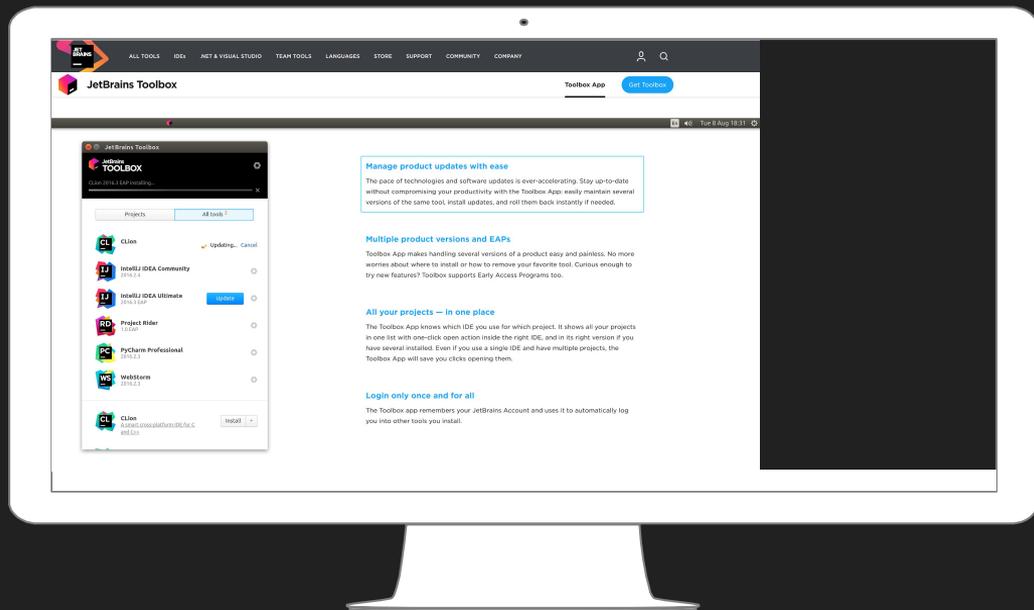
Learn your application

Get early feedback from colleagues

Toolbox App

Check it out at
jetbrains.com/toolbox/app

Follow @JBToolbox
for updates



Thank you!

Victor Kropp
@kropp

Questions?

Victor Kropp
@kropp



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—

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