

ROME - APRIL 13/14 2018

{codemotion}

{ From Hackathon to Production in a Year

Victor Kropp, JetBrains
@kropp



Hackathon

48 hours

100+
participants

40+
projects

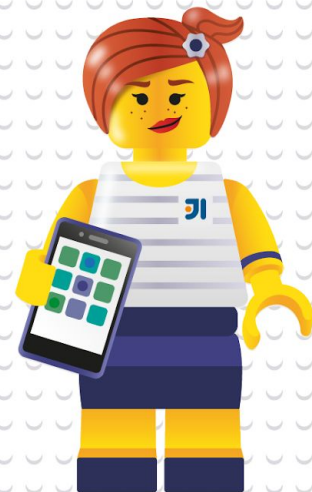
GAME ØF CODES





HACKATHON

JetBrains Hackathon 2017



winners'
cup



Do anything you want



Thank-o-meter

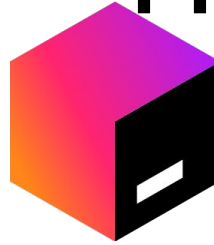


**See a need —
fill a need**

dotMemory
Unit



Toolbox
App



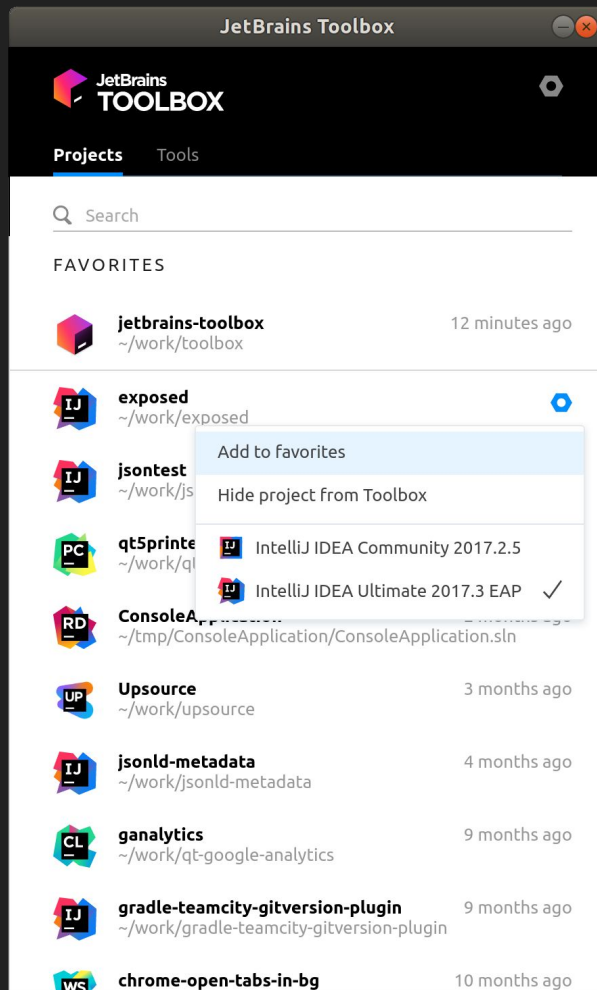
YouTrack
Mobile



Toolbox App



A control panel for
your tools and projects



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	Jan	2010
25	26	27	28	29	30	31	Feb	2011
September							Mar	2012
1	2	3	4	5	6	7	Apr	2013
8	9	10	11	12	13	14	May	2014
15	16	17	18	19	20	21	Jun	2015
22	23	24	25	26	27	28	Jul	2016
29	30						Aug	2017
October							Sep	2018
							Oct	2019
							Nov	2020
6	7	8	9	10	11	12	Dec	2021

some text on top

before  Some text after

some text under loader

Unchecked by default



Checked by default



Disabled unchecked



<https://jetbrains.org/ring-ui/>

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 ... ×

Build | ▾

<Active branches> | ▾

no hidden | ▾ ×

▶

Build Number | ▾

Idle

Run ... ×

▶

Build UI | ▾

Idle

Run ... ×

▶

Build Chrome Extension | ▾

Idle

Run ... ×

▶

Build Mac OS X | ▾

Idle

Run ... ×

▶

Build Mac OS X Debug | ▾

Pending (100+) | ▾

Idle

Run ... ×

▶

Build Windows | ▾

Idle

Run ... ×

▶

Build Windows Debug | ▾

Pending (100+) | ▾

Idle

Run ... ×

▶

Build Linux Appliance | ▾

Idle

Run ... ×

<input checked="" type="checkbox"/> Docker ▾ Various Docker images used for building and testing Toolbox App	<Active branches> ▾	5 successful	no hidden ▾ ×
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External Libraries | ▾

<Active branches> | ▾

no hidden | ▾ ×

▶ ☒ OpenSSL (Linux) | ▾

Idle

Run ... ×

▶ ☒ OpenSSL (Mac OS) | ▾

Idle

Run ... ×

Feed | ▾

no hidden | ▾ ×

▶

■

 v1 Internal Feed | ▾

Idle

Run ...

 ×

▶

■

 v1 Public Feed | ▾

Idle

Run ...

 ×

▶

■

 v1 Publish Internal Feed | ▾

Idle

Run ...

 ×

▶

■

 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

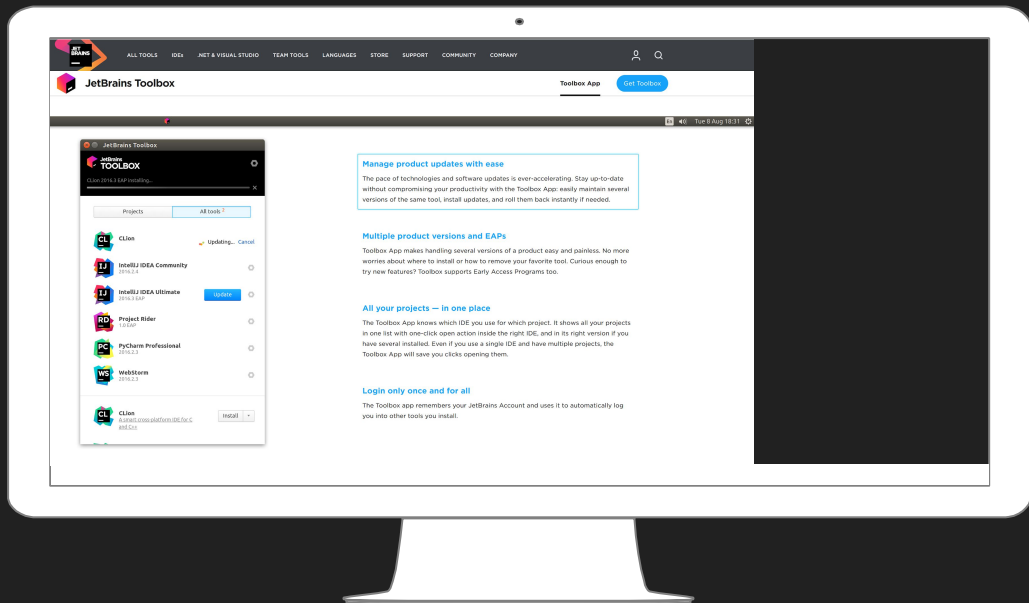
Get early feedback from colleagues

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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