Riga DevDays

From Hackathon to Production in a Year

—

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Hackathon

48 hours

100+ participants

40+ projects

HACKATHONS

JetBrains Hackathon 2017

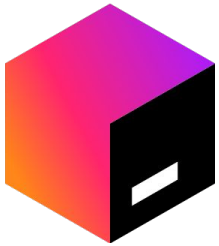
winners’ cup

Do anything you want

See a need —
fill a need

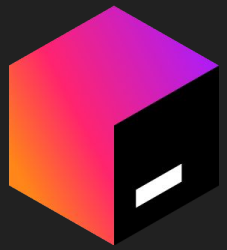
dotMemory Unit

Toolbox App

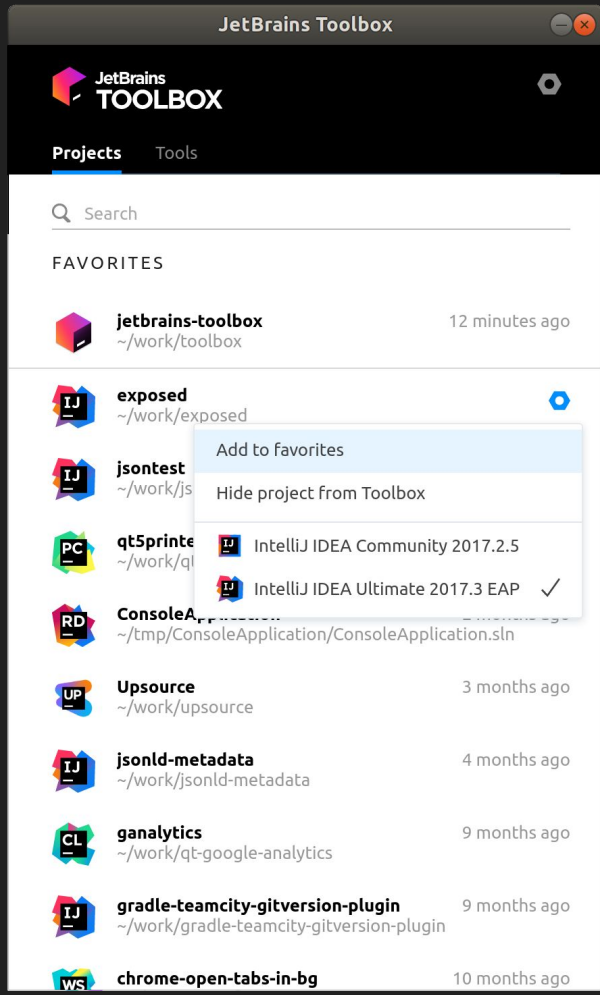


YouTrack Mobile

Toolbox App



A control panel for
your tools and projects


JetBrains Toolbox
JetBrains
TOOLBOX
Projects
Tools
Search
FAVORITES
jetbrains-toolbox
~/work/toolbox
12 minutes ago
exposed
~/work/exposed
Add to favorites
Hide project from Toolbox
IntelliJ IDEA Community 2017.2.5
IntelliJ IDEA Ultimate 2017.3 EAP
jsontest
~/work/js
qt5printe
~/work/qt
~/tmp/ConsoleApplication/ConsoleApplication.sln
Upsource
~/work/upsource
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

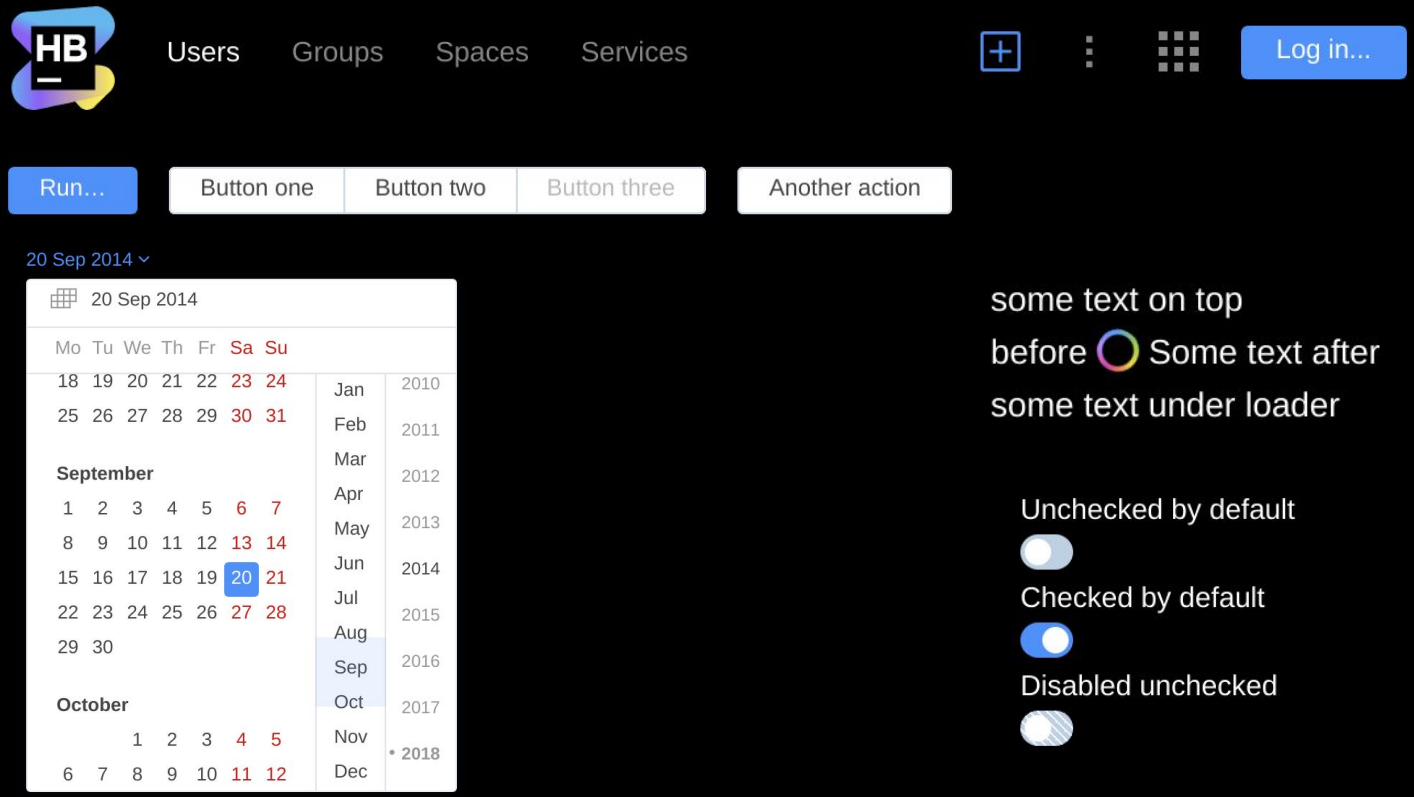
and

UI/UX designer

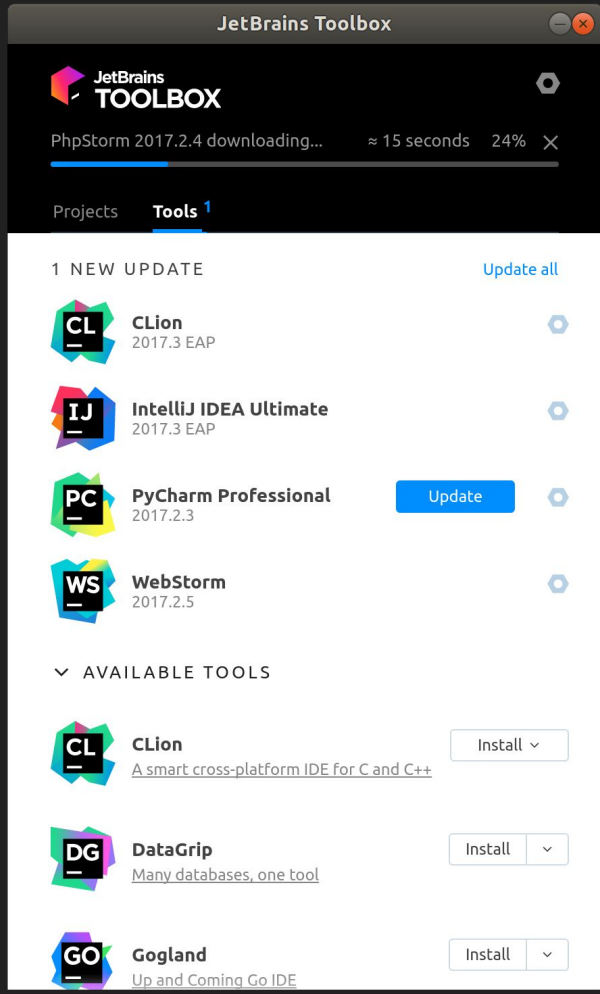
UI developer

IntelliJ developer

Ring UI



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


JetBrains Toolbox
JetBrains
TOOLBOX
PhpStorm 2017.2.4 downloading...
≈ 15 seconds
24%
Projects
Tools 1
1 NEW UPDATE
Update all
CLion
2017.3 EAP
IntelliJ IDEA Ultimate
2017.3 EAP
PyCharm Professional
2017.2.3
Update
WebStorm
2017.2.5
AVAILABLE TOOLS
CLion
A smart cross-platform IDE for C and C++
Install
DataGrip
Many databases, one tool
Install
Gogland
Up and Coming Go IDE
Install

20% project

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

JOEL ON SOFTWARE

YOUR HOST

my own, highly irresponsible, sloppy test to rate the quality of a software team. The great part about it is that it takes about 3 minutes. With all the time you save, you can go to medical school.

The Joel Test

1. Do you use source control?
2. Can you make a build in one step?
3. Do you make daily builds?
4. Do you have a bug database?
5. Do you fix bugs before writing new code?
6. Do you have an up-to-date schedule?
7. Do you have a spec?
8. Do programmers have quiet working conditions?
9. Do you use the best tools money can buy?
10. Do you have testers?
11. Do new candidates write code during their interview?
12. Do you do hallway usability testing?

https://www.joelonsoftware.com/2000/08/09/the-joel-test-12-steps-to-better-code/

Automate everything

Continuous Integration server **compiles** the app and runs **tests** after each commit

Release is published with a **single click**

- JetBrains Toolbox — JetBrains Desktop Applications Launcher — <Active branches> — no hidden
  - Installers (Stable) — Pending (100+) — Idle — Run
  - Build Smoke — Idle — Run
  - Build All — Pending (100+) — Idle — Run
  - Test All — Pending (100+) — Idle — Run
  - Feeds Acceptance Tests — Idle — Run
  - 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 AppImage — Idle — Run
- Docker — Various Docker images used for building and testing Toolbox App — <Active branches> — 5 successful — no hidden
- 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

Cross-platform development

There are **lots** of platform specific things

Every feature must be tested on all supported operating systems

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.

https://en.wikipedia.org/wiki/Eating_your_own_dog_food

Dogfooding

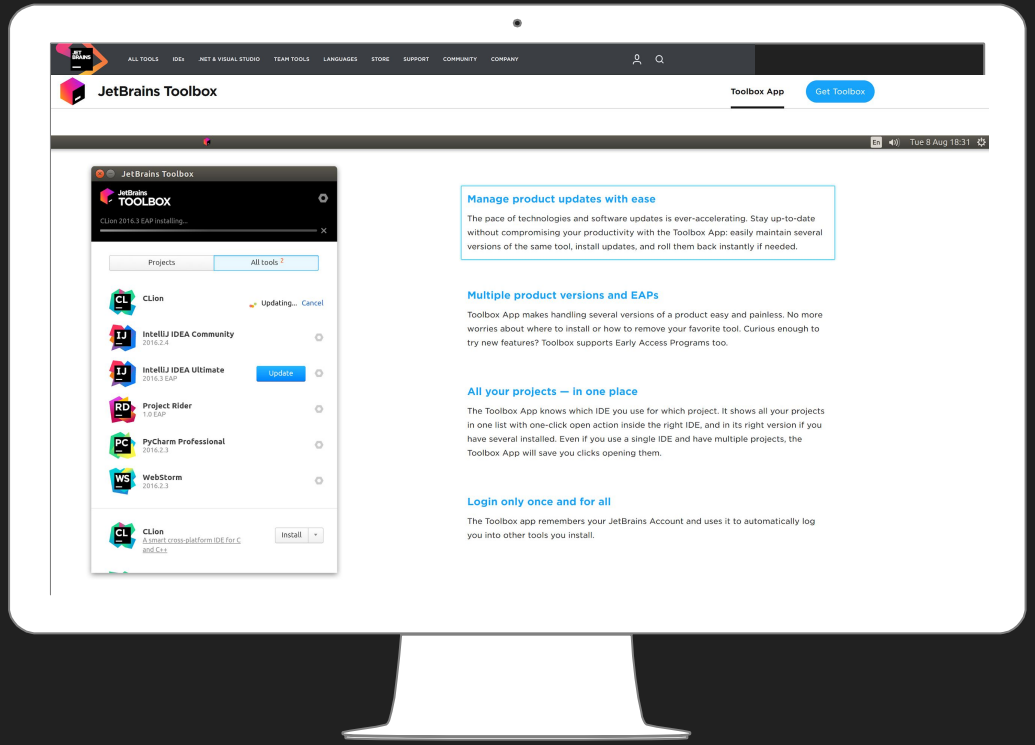
Learn your application

Get early feedback from colleagues

Toolbox App

Check it out at
jetbrains.com/toolbox/app

Follow @JBToolbox
for updates



Thank you!

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Questions?

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