Open source software development: a professional view

Eder Ignatowicz
Principal Software Engineer
Tech Lead@Red Hat

What do I do for a living?

I'm an open source developer at
Red Hat Business Automation
(Drools/jBPM/Kogito)
tooling teams.

Kogito

Kogito is the next generation of business automation platforms focused on cloud-native development, deployment, and execution. Kogito is composed of the battle-tested projects of the KIE group: Drools, jBPM, and OptaPlanner.

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Drools is a business rule management system with a forward-chaining and backward-chaining inference based rules engine, allowing fast and reliable evaluation of business rules and complex event processing.

READ MORE →

jBPM is a flexible Business Process Management suite allowing you to model your business goals by describing the steps that need to be executed to achieve those goals.

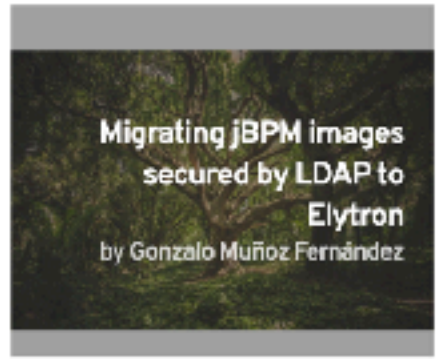
READ MORE →

OptaPlanner is a constraint solver that optimizes use cases such as employee rostering, vehicle routing, task assignment and cloud optimization.

READ MORE →

Featured Content

An overview of the more interesting features and work streams for DashBuilder, along with links to posts with more details for each topic.
More →



Elytron is the new security framework offered by JBoss EAP/Wildfly, which tries to unify security management and application access in a single subsystem.
More →

In this post we use PDPs to visualize potential fairness concerns in a machine learning model.
More →

Building Dashboards using Plain Java
by William Siqueira

Demystifying the Alpha Network Compiler (ANC)
by Luca Molteni

How to use Test Scenario Editor to test your DMN a...
by Yeser Amer

Kogito Serverless Workflows at OpenShift Commons B...
by Ricardo Zanini

Kogito Serverless Workflow at OpenShift Commons Br...
by Ricardo Zanini

Design Tools Highlights on Kogito and Business Cen...
by Eder Ignatowicz

Integrate Kogito and Business Central projects usi...
by Lubo Terifaj

How the new FEEL code-completion works under the h...
by Guilherme Carreiro

Scorecard Editor
by Michael Anstis

Featured Content by Category

Tools

Process

Rules

Recent Posts

Today

Add CSV datasets for authoring dashboards
by Manaswini Das

This Month

Add CSV datasets for authoring dashboards
by Manaswini Das

Kafka Monitoring Dashboards with Business Central
by William Siqueira

Kogito Tooling 0.9.1 Released!
by Eder Ignatowicz

The path to OptaPlanner enlightenment starts in th...
by Geoffrey De Smet

Model fairness with partial dependence plots
by Tommaso Teofili

Versioning of utility classes in RHPAM
by Diego Torres Fuerte

Building Dashboards using Plain Java
by William Siqueira

Demystifying the Alpha Network Compiler (ANC)
by Luca Molteni

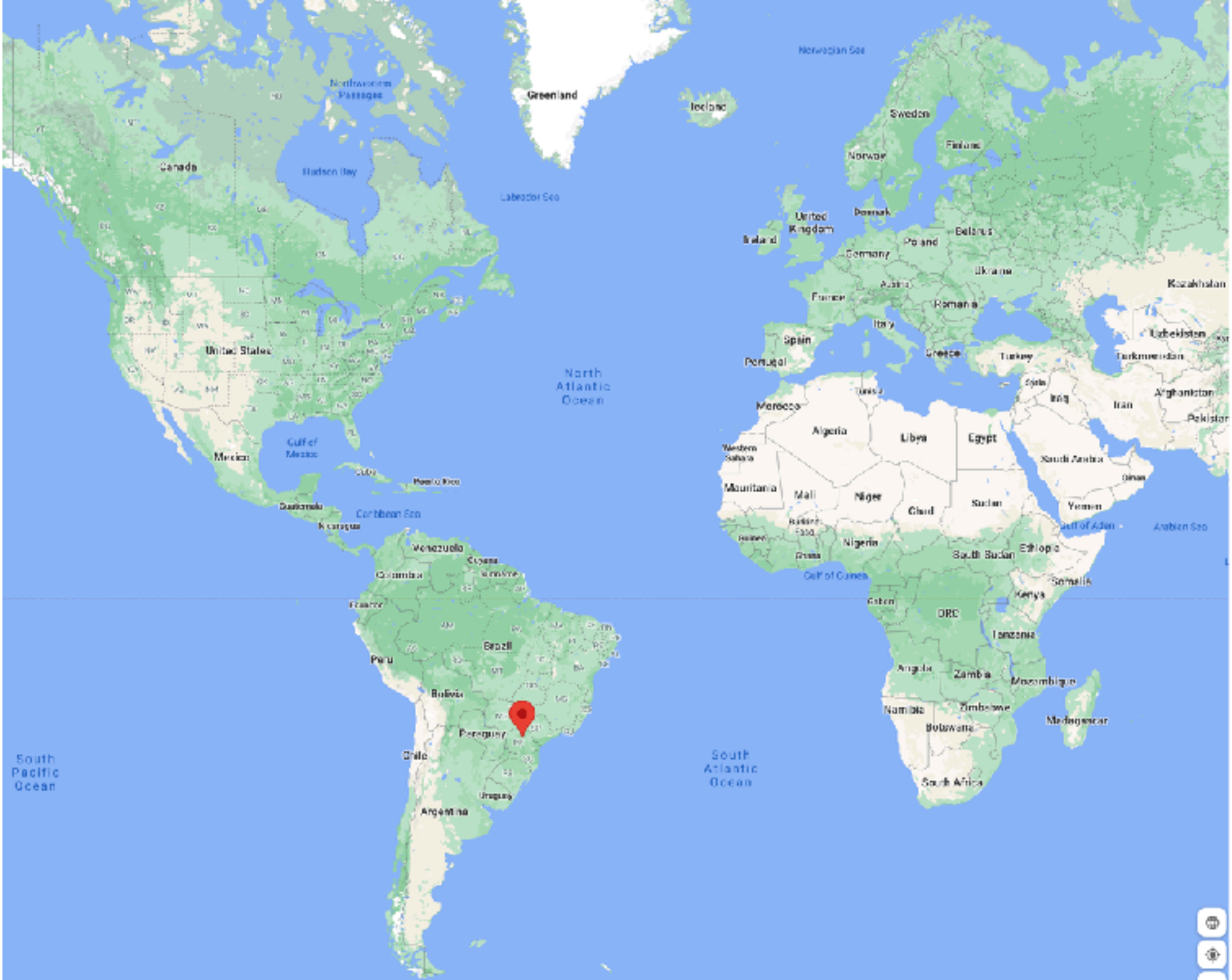
DashBuilder: an Apache licensed Business reporting...
by Eder Ignatowicz

How to use Test Scenario Editor to test

How did I end up there?

I'm a very, very lucky person :)

What I would like to know at the beginning of my career


Greenland
Iceland
Norwegian Sea
Sweden
Norway
Finland
Canada
Hudson Bay
Labrador Sea
United Kingdom
Ireland
Denmark
Poland
Belarus
Germany
Ukraine
France
Austria
Romania
Italy
Spain
Portugal
Greece
Turkey
Kazakhstan
Uzbekistan
Turkmenistan
Afghanistan
Pakistan
Iraq
Iran
Syria
North Atlantic Ocean
United States
Gulf of Mexico
Mexico
Cuba
Puerto Rico
Caribbean Sea
Morocco
Algeria
Libya
Egypt
Western Sahara
Mauritania
Mali
Niger
Chad
Sudan
Saudi Arabia
Yemen
Gulf of Aden
Arabian Sea
Nigeria
Ghana
Gulf of Guinea
South Sudan
Ethiopia
Somalia
Kenya
Guatemala
Nicaragua
Venezuela
Guyana
Suriname
Colombia
Ecuador
Peru
Brazil
Bolivia
Paraguay
Chile
Uruguay
Argentina
South Pacific Ocean
South Atlantic Ocean
Gabon
DRC
Tanzania
Angola
Zambia
Mozambique
Namibia
Zimbabwe
Botswana
Madagascar
South Africa

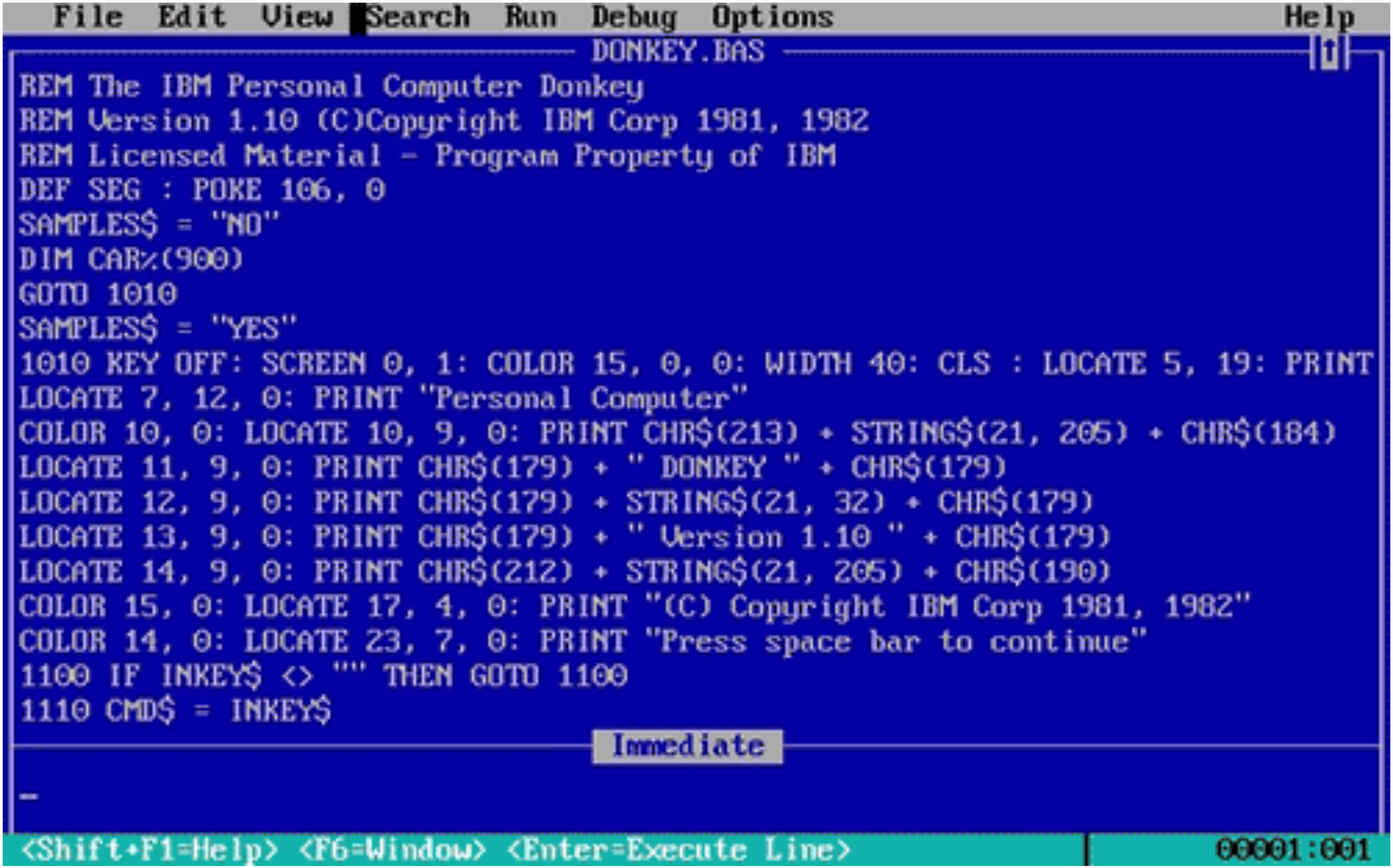
APUCARANA
Cidade Educação
CAPITAL DO BONÉ

POWER
ON
OFF
TV TYPE
COLOR
B-W
VIDEO COMPUTER SYSTEM™
GAME SELECT
GAME RESET
ATARI 2600

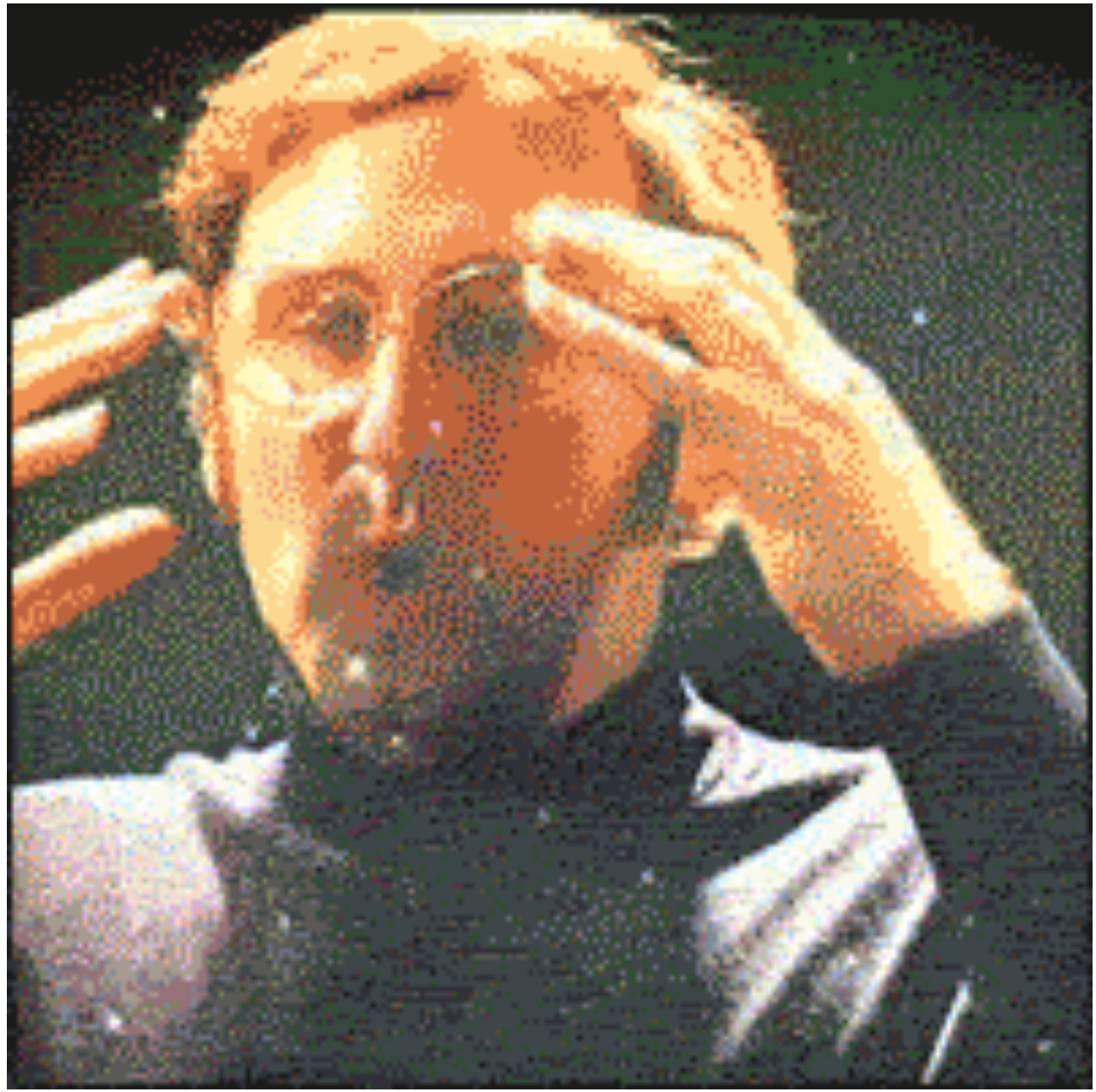
Lucky moment 0:

A old computer appears at my house (1998)

IBM
IBM


File Edit View Search Run Debug Options Help
DONKEY.BAS
REM The IBM Personal Computer Donkey
REM Version 1.10 (C)Copyright IBM Corp 1981, 1982
REM Licensed Material - Program Property of IBM
DEF SEG : POKE 106, 0
SAMPLES$ = "NO"
DIM CAR%(900)
GOTO 1010
SAMPLES$ = "YES"
1010 KEY OFF: SCREEN 0, 1: COLOR 15, 0, 0: WIDTH 40: CLS : LOCATE 5, 19: PRINT
LOCATE 7, 12, 0: PRINT "Personal Computer"
COLOR 10, 0: LOCATE 10, 9, 0: PRINT CHR$(213) + STRING$(21, 205) + CHR$(184)
LOCATE 11, 9, 0: PRINT CHR$(179) + " DONKEY " + CHR$(179)
LOCATE 12, 9, 0: PRINT CHR$(179) + STRING$(21, 32) + CHR$(179)
LOCATE 13, 9, 0: PRINT CHR$(179) + " Version 1.10 " + CHR$(179)
LOCATE 14, 9, 0: PRINT CHR$(212) + STRING$(21, 205) + CHR$(190)
COLOR 15, 0: LOCATE 17, 4, 0: PRINT "(C) Copyright IBM Corp 1981, 1982"
COLOR 14, 0: LOCATE 23, 7, 0: PRINT "Press space bar to continue"
1100 IF INKEY$ <> "" THEN GOTO 1100
1110 CMD$ = INKEY$
Immediate
<Shift+F1=Help> <F6=Window> <Enter=Execute Line>
00001:001

Conectiva
Manual do Usuário
Linux
Versão 3.0
Guarani
Conectiva
Linux
CD 1
Versão 3.0
Guarani
Conectiva
DISCO DE INICIALIZAÇÃO
Linux



open source

```java
  /unused/
  private E exposeElement;

  public ArrayList() {
  }

  public ArrayList(Collection<? extends E> c) {
    // Avoid calling overridable methods from constructors
    ArrayHelper.insertTo(array, index: 0, c.toArray());
  }

  public ArrayList(int initialCapacity) {
    // Avoid calling overridable methods from constructors
    checkArgument( expression: initialCapacity >= 0, errorMessage: "Initial capacity must not be negative");
  }

  @Override
  public boolean add(E o) {
    array[array.length] = o;
    return true;
  }

  @Override
  public void add(int index, E o) {
    checkPositionIndex(index, array.length);
    ArrayHelper.insertTo(array, index, o);
  }

  @Override
  public boolean addAll(Collection<? extends E> c) {
    Object[] cArray = c.toArray();
    int len = cArray.length;
    if (len == 0) {
      return false;
    }
    ArrayHelper.insertTo(array, array.length, cArray);
    return true;
  }
```

I want to be a software developer
and work with cool stuff

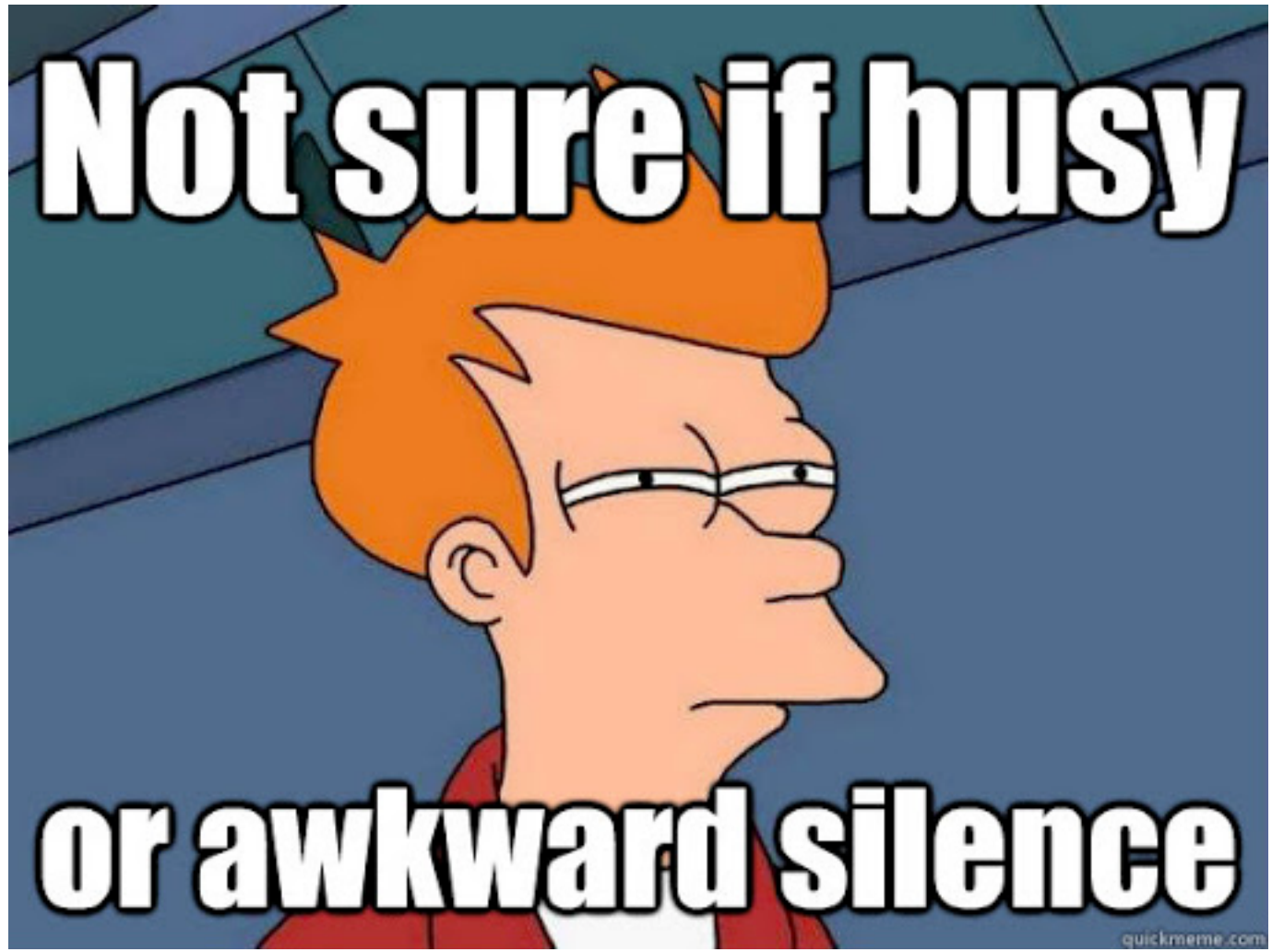
Let's dive in Computer Science

Universidade Estadual de Londrina

Time to apply for the jobs!

Red Hat

Google


Not sure if busy
or awkward silence
quickmeme.com

Errr... ok,

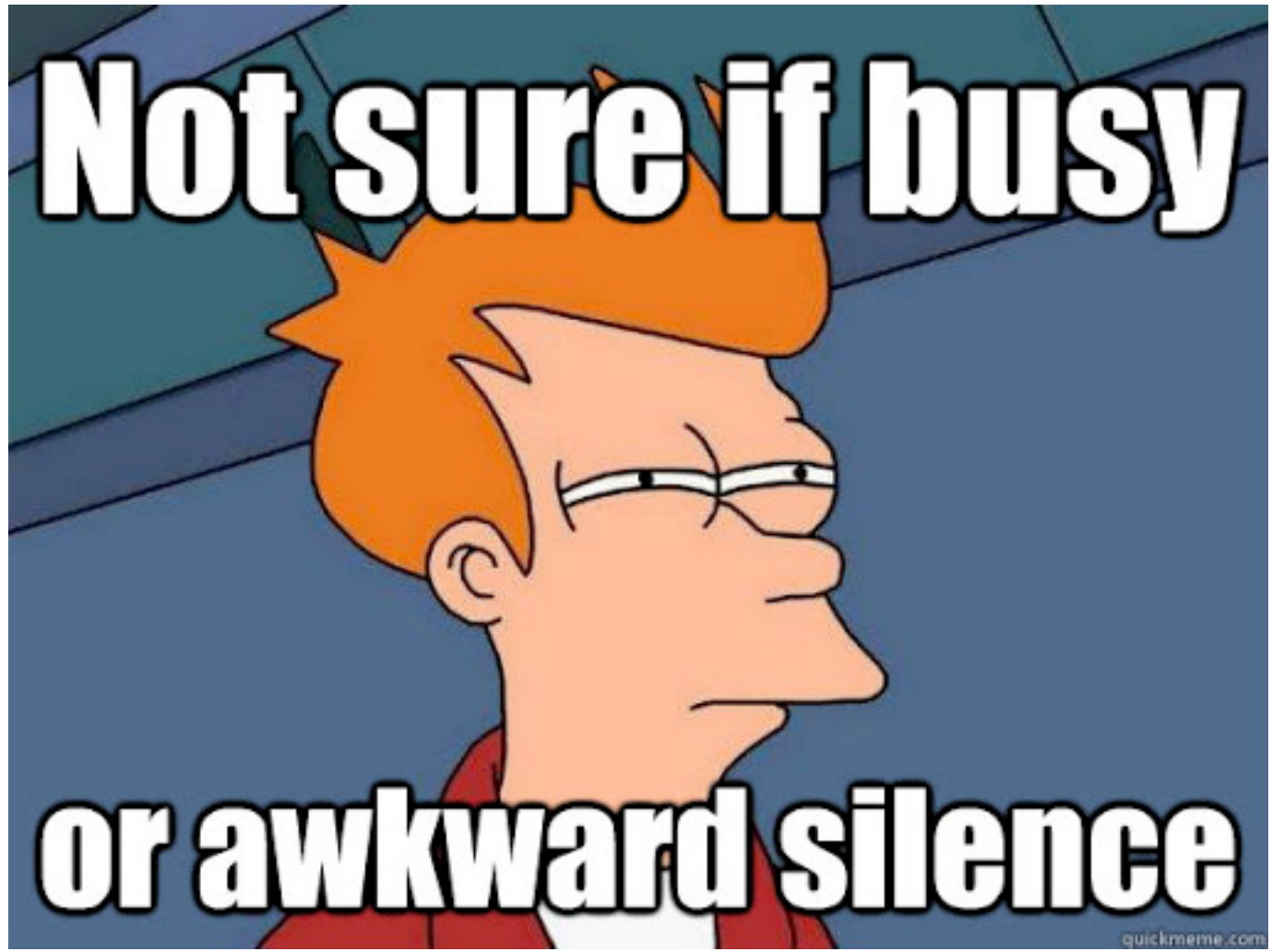
Let's dive in
Applied Computer
Science Research

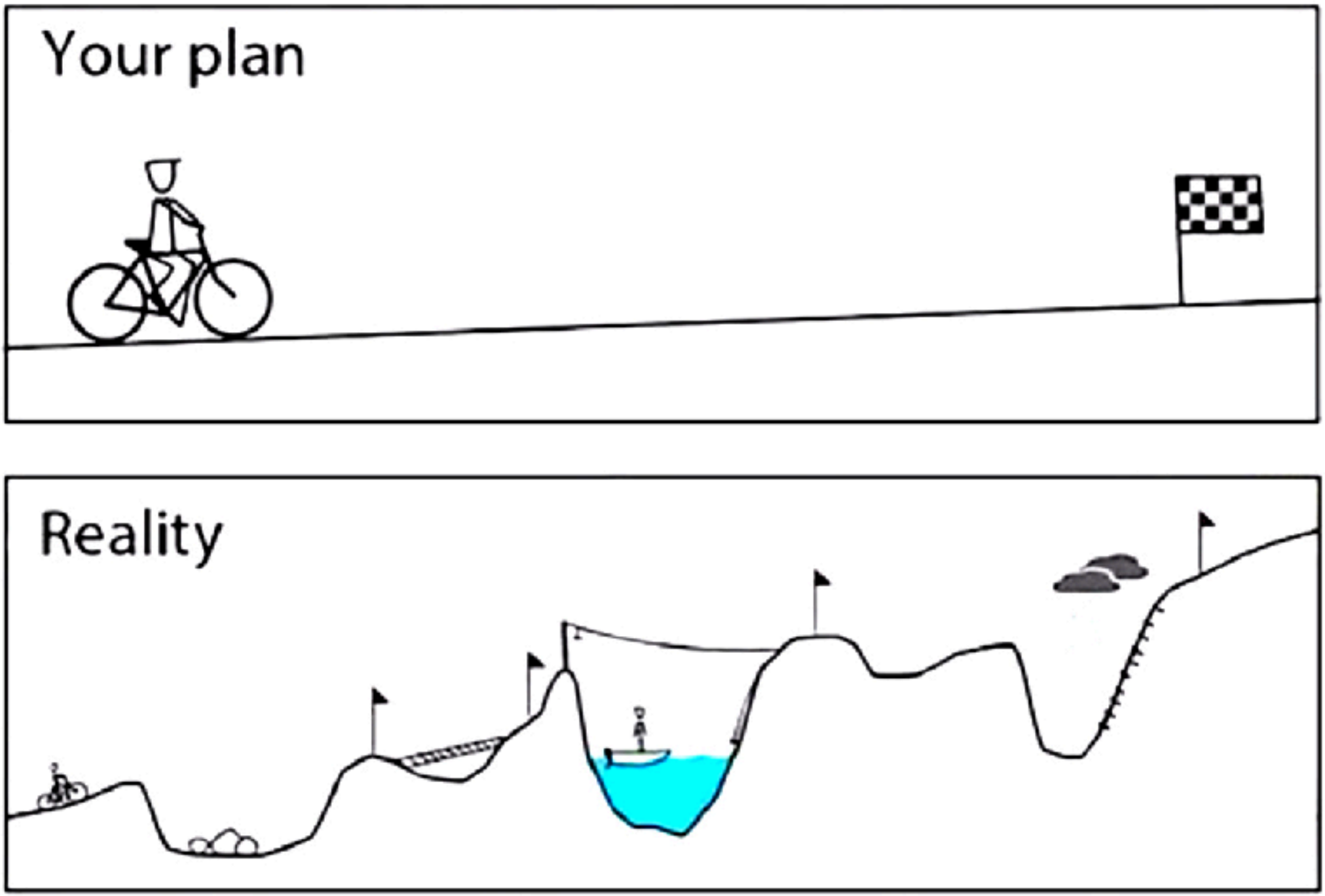
UNICAMP

Now I'm ready,
let's apply for the cool jobs!

Red Hat

Google


Not sure if busy
or awkward silence
quickmeme.com


Your plan
Reality

Errr... ok,

Need to pay the bills,
do the cool jobs even exist?

I was “forced"to become a enterprise developer

How to be successful in the Brazilian tech market?

Tech consulting job

Scalable and Cloud C.R.U.D.s for financial institutions

Consumer of technology

Where is the joy?

Where is the bleeding edge?

Where is the technology development?

Conectiva
Manual do Usuário
Linux
Versão 3.0
Guarani
Conectiva
Linux
CD 1
Versão 3.0
Guarani
Conectiva
DISCO DE INICIALIZAÇÃO
Linux

```java
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  @Override
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  public boolean addAll(Collection<? extends E> c) {
    Object[] cArray = c.toArray();
    int len = cArray.length;
    if (len == 0) {
      return false;
    }
    ArrayHelper.insertTo(array, array.length, cArray);
    return true;
  }
```

Where are the people that builds the tech that I use?

Lucky moment 1:

QCon free ticket (2011)

QCon
by InfoQ

Presentations

NEWER OLDER >

CULTURE & METHODS

Developing a Digital Product: What It Is and How

Roberto Mameli discusses the implications and what it takes to build a successful digital product in the digital economy and how to leverage the network effect.

ROBERTO MAMELI ON OCT 31, 2019

LIKE

CULTURE & METHODS

How to Find Purpose in Work

Katharina Probst discusses autonomy, mastery, and purpose which motivate people, diving deeper into purpose.

KATHARINA PROBST ON OCT 23, 2019

LIKE

AI/ML & DATA ENGINEERING

Big Data's Ethical Drought: The Thirst for More Data Has Led to a Lapse in Ethics and Privacy

Katharine Jarmul provides examples of data (mis)use and asking how we can work with data without violating the trust and privacy of users, producing an ethical product?

KATHARINE JARMUL ON OCT 17, 2019

LIKE

ARCHITECTURE & DESIGN

Bayesian Optimization of Gaussian Processes with Applications to Performance Tuning

Ramki Ramakrishna discusses using Bayesian optimization of Gaussian processes to optimize the performance of a microservices architecture.

RAMKI RAMAKRISHNA ON OCT 11, 2019

LIKE

CULTURE & METHODS

Highlighting Silicon Valley Strategies for Improving Engineering Velocity, Efficiency, and Quality

David Meresman shares personal insights and experiences about cultural practices that one can apply to help improve the effectiveness of an engineering organization.

DEVELOPMENT

Your Program as a Transpiler: Applying Compiler Design to Everyday Programming

Edoardo Vacchi discusses opportunities to apply programming language development techniques learned working with Drools and jBPM to a broader context.

AI/ML & DATA ENGINEERING

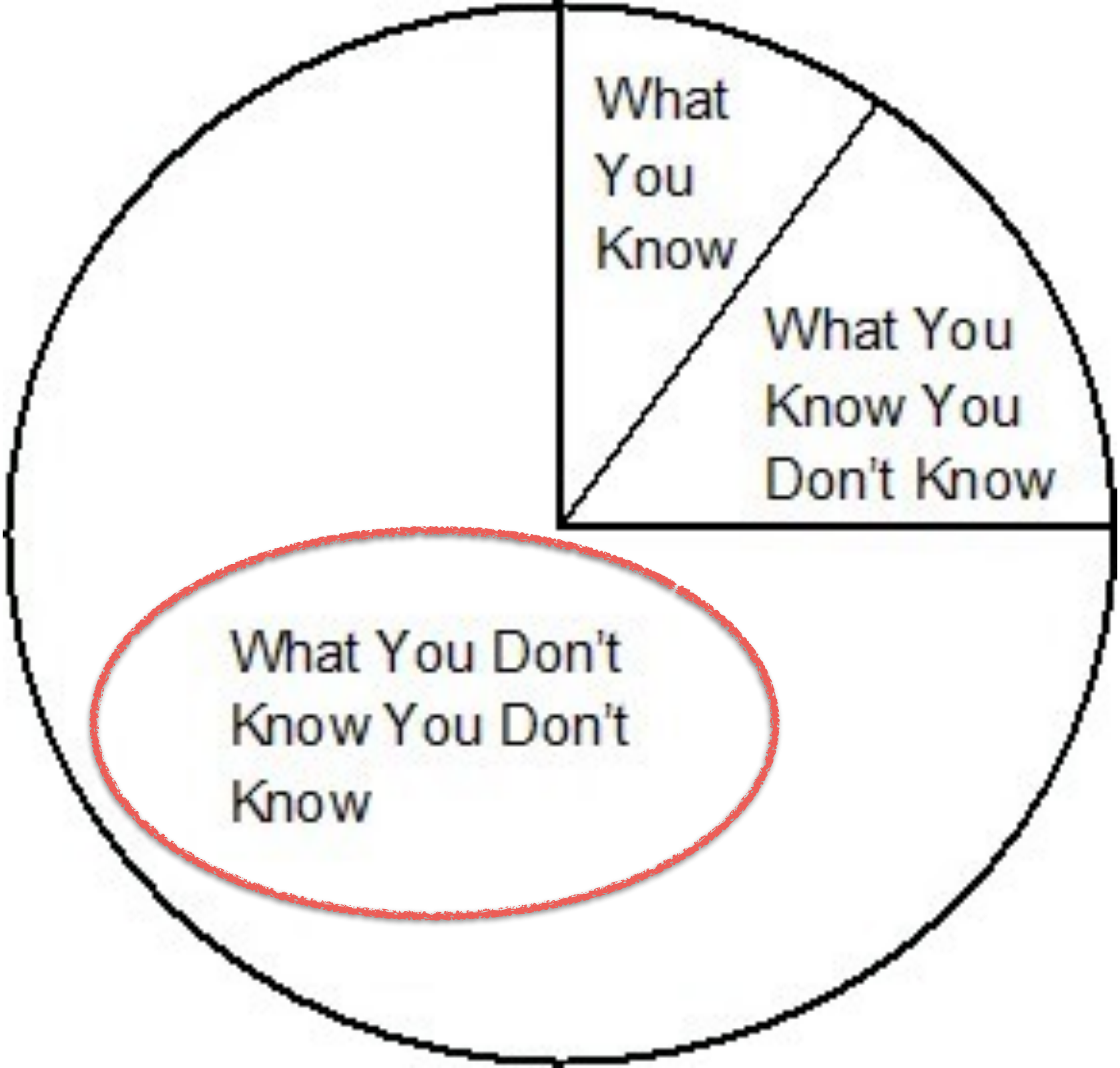
A Look at the Methods to Detect and Try to Remove Bias in Machine Learning Models

Thierry Silbermann explores some examples where machine learning fails and/or is making a negative impact, looking at some of the tools available today to fix the model.

ARCHITECTURE & DESIGN

Software Supply Chain Management with Grafeas and Kritis

Aysylu Greenberg discusses the goals for Grafeas and Kritis used to secure a company's software supply chain, and concludes with the details of current and future development.


What
You
Know
What You
Know You
Don't Know
What You Don't
Know You Don't
Know

Cool jobs actually exists! :)

Speakers

Discover our confirmed speakers for the event. More speakers will be listed during the upcoming weeks.

Katharina Probst

Director of Engineering @Google Cloud Platform

Aaron Turner

Senior Software Engineer @Fastly

Sarah Wells

Technical Director for Operations and Reliability @FT (Financial...

Bryan Cantrill

Co-Creator DTrace, Co-Founder Fishworks Sun Microsystems, &...

Sangeeta Narayanan

Director, Edge Developer Experience @Netflix and Co-Host of the...

Matthew Clark

Head Of Architecture for the @BBC's Digital Products

Howard Chu

Systems Level Developer & CTO @SymasCorp

Ana Maria Mihalceanu

Solutions Architect @IBM & Java Champion

Chris Richardson

Creator of microservices.io; Author of Microservices patterns &...

Sergey Fedorov

Director of Engineering @Netflix

Lin Clark

Senior Principal Engineer @Fastly

Randy Shoup

VP Engineering and Chief Architect @eBay

Nell Shamrell-Harrington

Principal Software Engineer @Microsoft

Lucas Cavalcanti

Principal Engineer @nubank

Dio Rettori

Head of Cloud Architecture @jpmorgan

Wes Reisz

Platform Architect @VMware & Creator/Co-host of #TheInfoQPodcast...

Anjuan Simmons

Engineering Coach @helpscout

Tammy Bryant Butow

Principal Site

Yang Chi

Software Engineer @Facebook

Aaron Beers

Senior Software Engineer @drwtrading

And people that build the cool stuff are actually humans! :)

What most of these people have in common?

open source

Lucky moment 2:

Drools/Uberfire Keynote (2013)

"I'm working in a new Drools open source project called Uberfire"

Drools

kiegroup / drools

Watch 283 Star 3.6k Fork 2k

Code Pull requests 30 Actions Projects Security Insights

master 45 branches 190 tags Go to file Add file Code

mbiarnes upgrade to 7.55.0-SNAPSHOT 79dc411 12 hours ago 13,162 commits

.ci	PLANNER-2291 Add OptaPlanner into the FDB (#3323)	18 days ago
.github	BXMSPROD-494 allow GA build on windows machine (#3116)	2 months ago
.mvn	BXMSPROD-1216 .mvn/extensions.xml takari (#3416)	2 months ago
drools-alphanetwork-compiler	upgrade to 7.55.0-SNAPSHOT	12 hours ago
drools-beliefs	upgrade to 7.55.0-SNAPSHOT	12 hours ago
drools-cdi	upgrade to 7.55.0-SNAPSHOT	12 hours ago
drools-compiler	upgrade to 7.55.0-SNAPSHOT	12 hours ago
drools-core-dynamic	upgrade to 7.55.0-SNAPSHOT	12 hours ago
drools-core-reflective	upgrade to 7.55.0-SNAPSHOT	12 hours ago
drools-core	upgrade to 7.55.0-SNAPSHOT	12 hours ago
drools-decisiontables	upgrade to 7.55.0-SNAPSHOT	12 hours ago
drools-distribution	upgrade to 7.55.0-SNAPSHOT	12 hours ago
drools-ecj	upgrade to 7.55.0-SNAPSHOT	12 hours ago
drools-engine-classic	upgrade to 7.55.0-SNAPSHOT	12 hours ago
drools-engine	upgrade to 7.55.0-SNAPSHOT	12 hours ago
drools-examples-api	upgrade to 7.55.0-SNAPSHOT	12 hours ago
drools-examples-cdi	upgrade to 7.55.0-SNAPSHOT	12 hours ago
drools-examples	upgrade to 7.55.0-SNAPSHOT	12 hours ago
drools-impact-analysis	upgrade to 7.55.0-SNAPSHOT	12 hours ago
drools-legacy-test-util	upgrade to 7.55.0-SNAPSHOT	12 hours ago
drools-metric	upgrade to 7.55.0-SNAPSHOT	12 hours ago

About

Drools is a rule engine, DMN engine and complex event processing (CEP) engine for Java.

www.drools.org

java rule-engine dmn hacktoberfest

Readme

Releases

190 tags

Create a new release

Packages

No packages published

Publish your first package

Used by 11

+ 3

Contributors 168

+ 157 contributors

baldimir DROOLS-4047 Provide InputType for spreadsheet compiler (#2384) ... Latest commit b938b5b on May 21, 2019 History

9 contributors

292 lines (258 sloc) 9.47 KB Raw Blame

```java
/*
 * Copyright 2015 Red Hat, Inc. and/or its affiliates.
 *
 * Licensed under the Apache License, Version 2.0 (the "License");
 * you may not use this file except in compliance with the License.
 *
 *      http://www.apache.org/licenses/LICENSE-2.0
 *
 * Unless required by applicable law or agreed to in writing, software
 * distributed under the License is distributed on an "AS IS" BASIS,
 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
*/

package org.drools.decisiontable;

import java.io.IOException;
import java.io.InputStream;
import java.io.Reader;
import java.util.ArrayList;
import java.util.List;

import org.drools.compiler.compiler.DecisionTableProvider;
import org.drools.core.util.StringUtils;
import org.kie.api.io.Resource;
import org.kie.internal.builder.DecisionTableConfiguration;
import org.kie.internal.builder.RuleTemplateConfiguration;
import org.slf4j.Logger;
import org.slf4j.LoggerFactory;

public class DecisionTableProviderImpl
    implements
    DecisionTableProvider {

    private static final transient Logger logger = LoggerFactory.getLogger( DecisionTableProviderImpl.class );
```

Let's use Drools in everything

paulovmr / engine-drools

Code | Issues | Pull requests | Actions | Projects | Wiki | Security | Insights

master | 1 branch | 0 tags | Go to file | Add file | Code

danilodeLuca Merge pull request #4 from danilodeLuca/master ... a1332b9 on May 6, 2015 11 commits

CreditLimitExample	Upgrading from drools 5.4 to drools 6.1, and java	7 years ago
RuleEngine	upgrade drools version because of serialization	6 years ago
spreadsheets	completing project	9 years ago
.gitignore	Rule Engine and a example of use.	9 years ago
README.md	Upgrading from drools 5.4 to drools 6.1, and java	7 years ago
pom.xml	completing project	9 years ago
prepareDirectories.sh	Fixing prepareDirectories to move all xls files to /tmp/{expected-dir}	7 years ago

RuleSet	com.creditlimit
Import	com.client.Client, function com.ruleengine.RuleEngineUtil.*

RuleTable CreditLimit				
DESCRIPTION	CONDITION	CONDITION	CONDITION	ACTION
		c : Client		
	numberIsBetween(age, $1, $2)	isEnumeratedIn(civilStatus, '$param')	numberIsBetween(amountOfP	c.setCreditLimit($param);
	Age	Civil State	Amount of Property	Credit Limit
No limit	0, 17			0.0
High risk group	18, 30	SINGLE, DIVORCED	0, 1000	100.0
	18, 30	MARRIED, WIDOWER	0, 0	
Medium risk group	31, 200	SINGLE, DIVORCED	0, 0	1000.0
	18, 30	MARRIED, WIDOWER	1, 1000	
Low risk group	31, 200	SINGLE, DIVORCED	1, 1000	3000.0
	31, 200	MARRIED, WIDOWER	0, 0	
Reliable group	31, 200	MARRIED, WIDOWER	1, 1	5000.0
Extremely reliable group	31, 200	MARRIED, WIDOWER	2, 1000	10000.0

2. mvn clean install

Lucky moment 3:

Presented this open source project in a conference (2013)

Who was there?

"Cool project. I just watched your presentation and I would like to talk about a gig in Drools team?"

Since then, 7.5 happy years at Red Hat

Developing cool bleeding edge technology

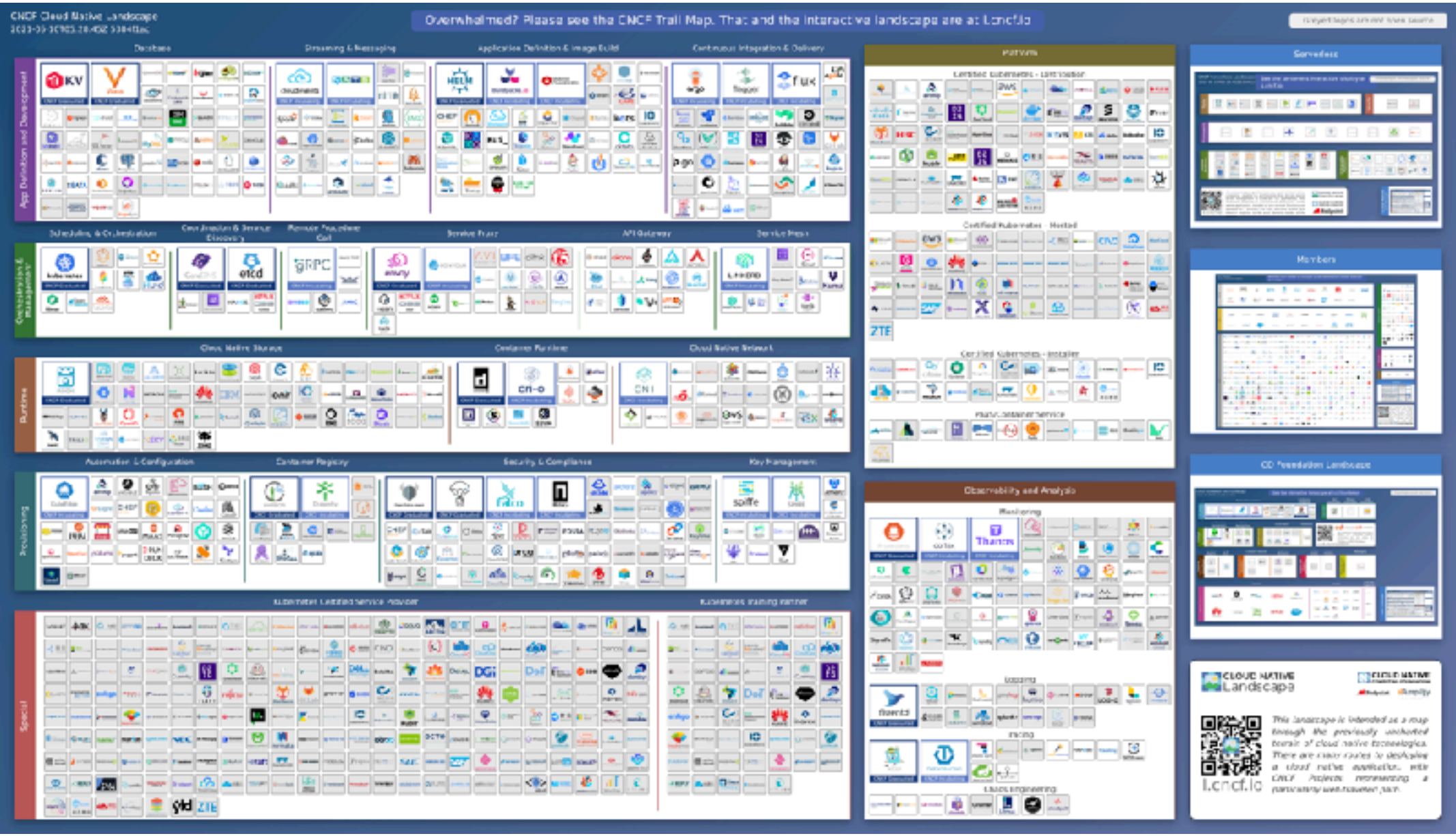
Don't rely on luck.

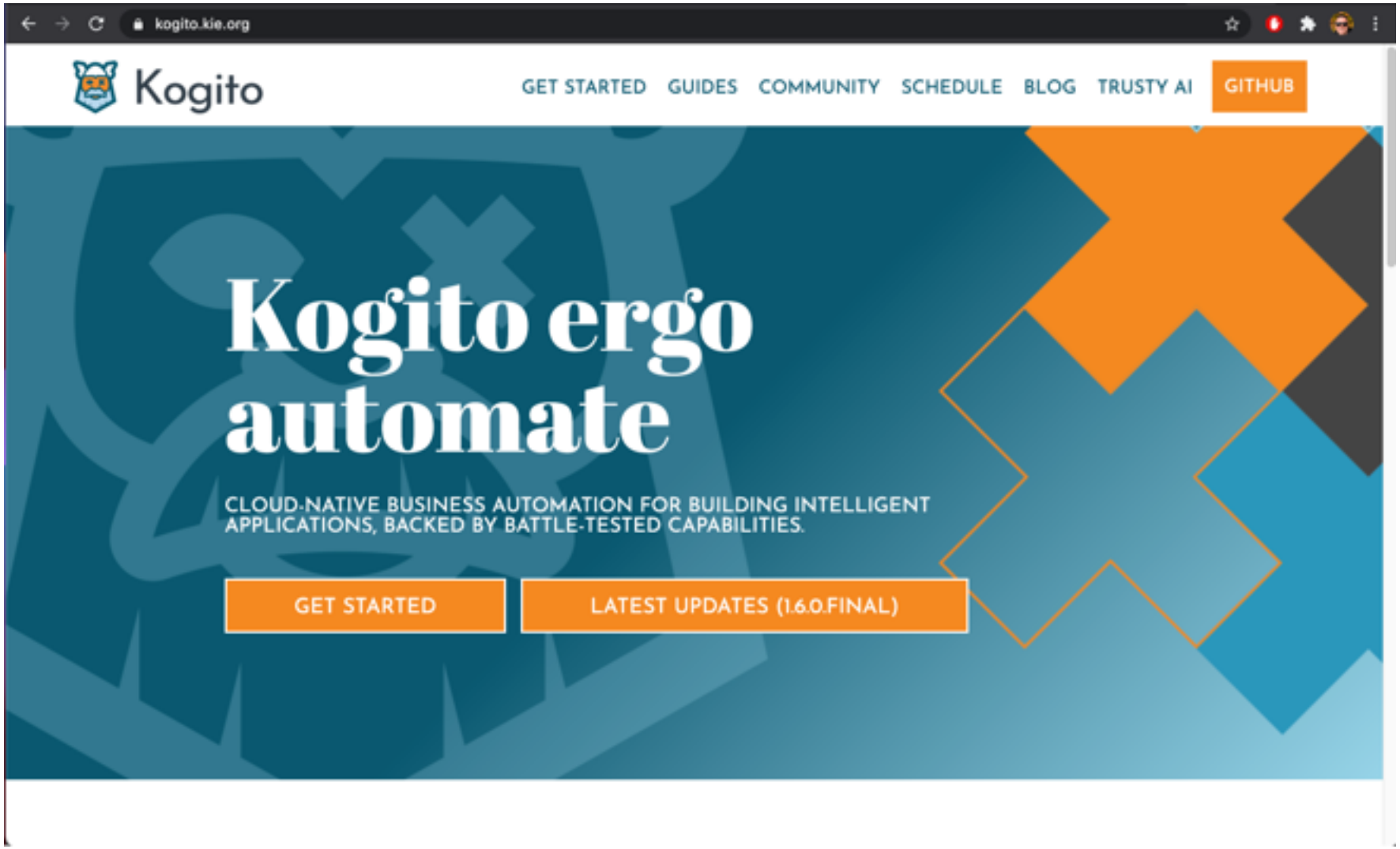
(like I did)

How to get access to the coolest tech jobs and work with bleeding edge technology?

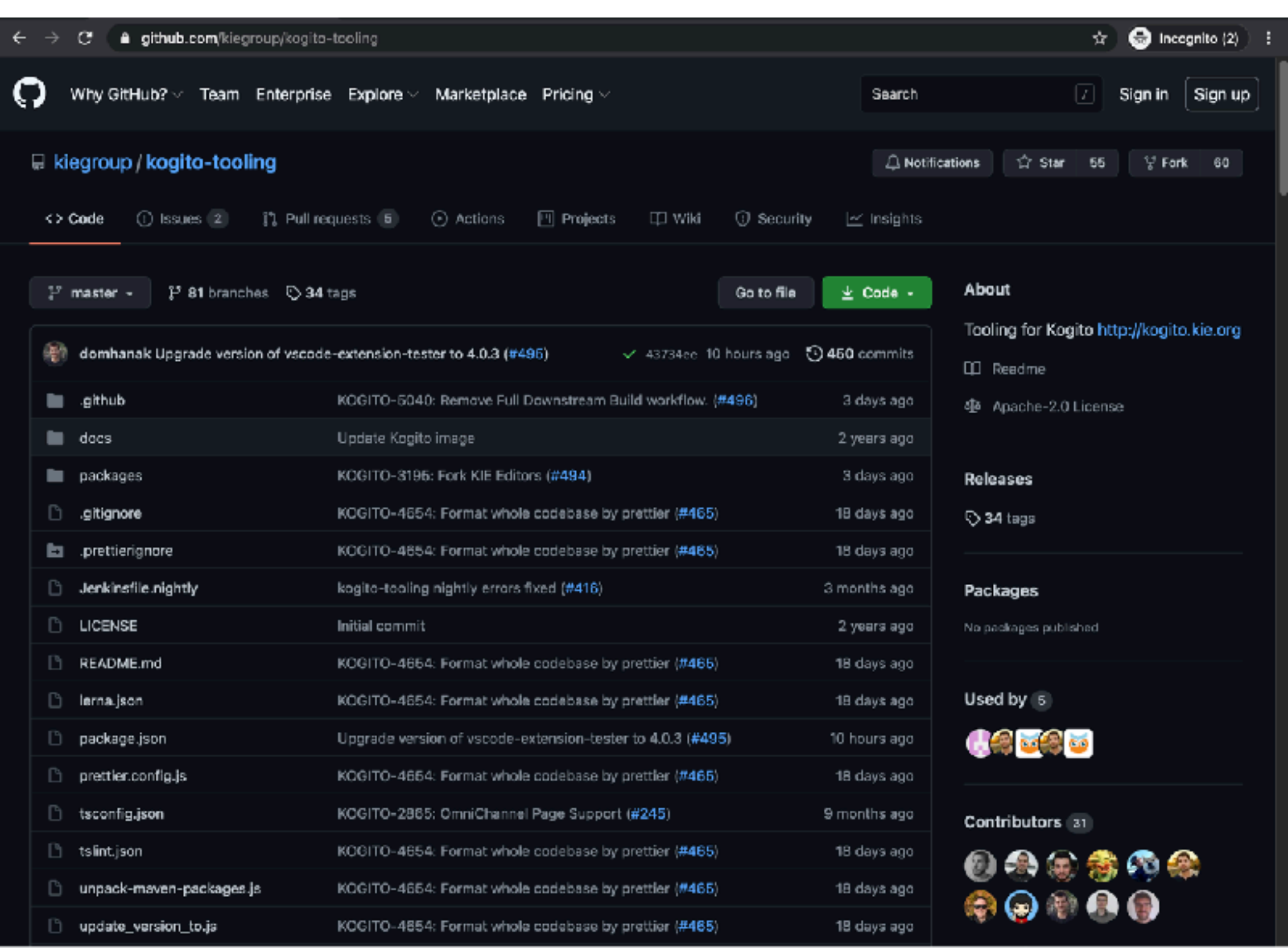
Get involved in Open Source as early as possible.

Step 1: Find your community


CNCF Cloud Native Landscape
Overwhelmed? Please see the CNCF Trail Map. That and the interactive landscape are at l.cncf.io
App Definition and Development
Orchestration & Management
Runtime
Provisioning
Special
Platform
Observability and Analysis
Members
CD Foundation Landscape
CLOUD NATIVE Landscape
l.cncf.io


kogito.kie.org
Kogito
GET STARTED
GUIDES
COMMUNITY
SCHEDULE
BLOG
TRUSTY AI
GITHUB
Kogito ergo automate
CLOUD-NATIVE BUSINESS AUTOMATION FOR BUILDING INTELLIGENT APPLICATIONS, BACKED BY BATTLE-TESTED CAPABILITIES.
GET STARTED
LATEST UPDATES (1.6.0.FINAL)

Step 2: Be part of this community


github.com/kiegroup/kogito-tooling
Incognito (2)
Why GitHub?
Team
Enterprise
Explore
Marketplace
Pricing
Search
Sign in
Sign up
kiegroup / kogito-tooling
Notifications
Star 55
Fork 60
Code
Issues 2
Pull requests 6
Actions
Projects
Wiki
Security
Insights
master
81 branches
34 tags
Go to file
Code
domhanak Upgrade version of vscode-extension-tester to 4.0.3 (#496)
43734cc 10 hours ago
460 commits
.github KOGITO-5040: Remove Full Downstream Build workflow. (#496) 3 days ago
docs Update Kogito image 2 years ago
packages KOGITO-3196: Fork KIE Editors (#494) 3 days ago
.gitignore KOGITO-4654: Format whole codebase by prettier (#465) 18 days ago
.prettierignore KOGITO-4654: Format whole codebase by prettier (#465) 18 days ago
Jenkinsfile.nightly kogito-tooling nightly errors fixed (#416) 3 months ago
LICENSE Initial commit 2 years ago
README.md KOGITO-4654: Format whole codebase by prettier (#465) 18 days ago
lerna.json KOGITO-4654: Format whole codebase by prettier (#465) 18 days ago
package.json Upgrade version of vscode-extension-tester to 4.0.3 (#495) 10 hours ago
prettier.config.js KOGITO-4654: Format whole codebase by prettier (#465) 18 days ago
tsconfig.json KOGITO-2865: OmniChannel Page Support (#245) 9 months ago
tslint.json KOGITO-4654: Format whole codebase by prettier (#465) 18 days ago
unpack-maven-packages.js KOGITO-4654: Format whole codebase by prettier (#465) 18 days ago
update_version_to.js KOGITO-4654: Format whole codebase by prettier (#465) 18 days ago
About
Tooling for Kogito http://kogito.kie.org
Readme
Apache-2.0 License
Releases
34 tags
Packages
No packages published
Used by 5
Contributors 31

Kogito Community

Getting help

DOCUMENTATION

If you have any questions, make sure to take a look at the Kogito documentation.

EXAMPLES

Kogito can be used in many ways, so to help you get started, we provide a wide range of examples demonstrating from simple hello world to more advanced use cases using DMN, BPMN, KNative, Serverless Workflow and more. Head to Kogito examples repository in GitHub and start exploring. The team is constantly updating this repository with new and exciting features as they are added to Kogito.

DISCUSSIONS AND MAILING LIST

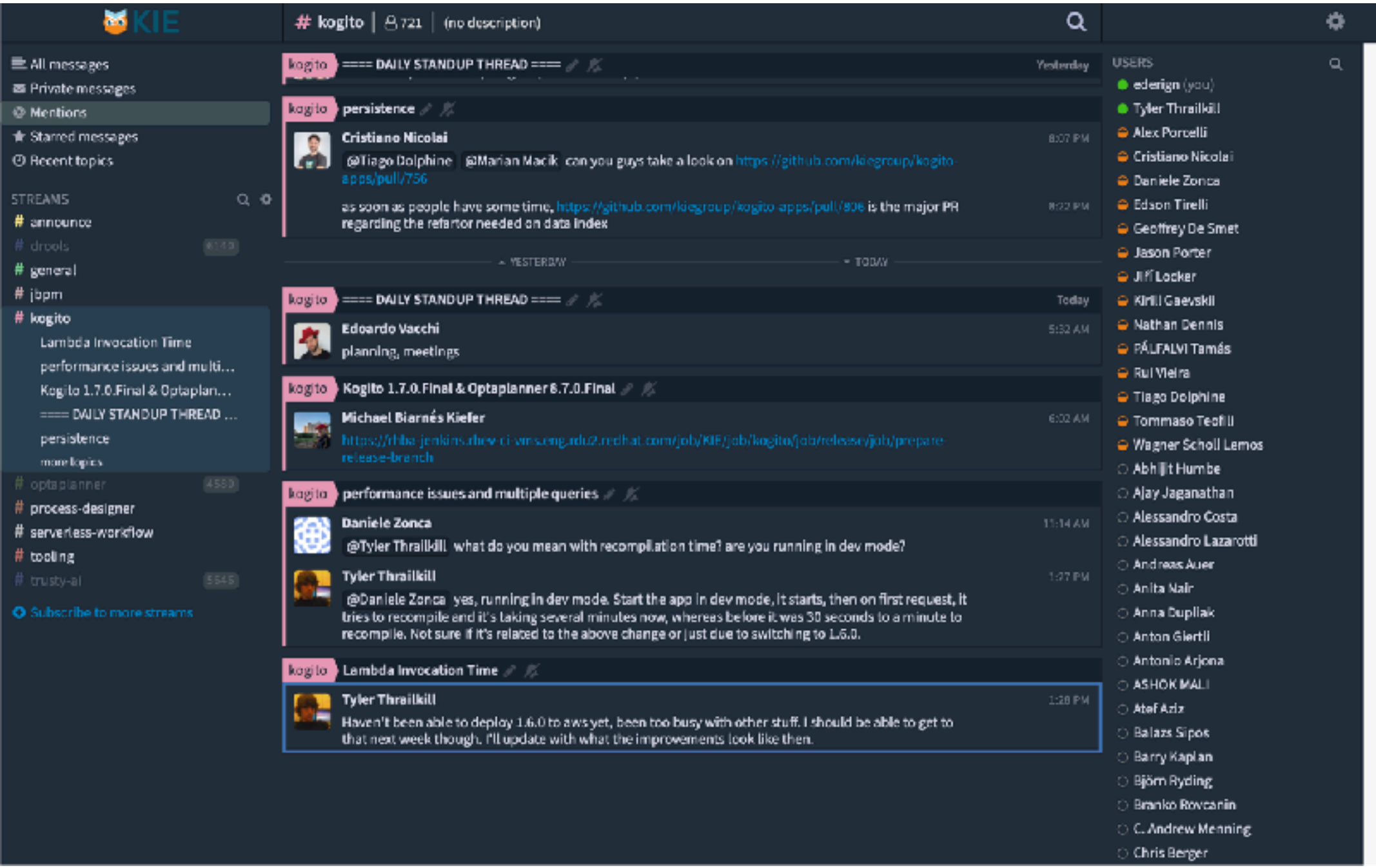
You can also ask questions on our mailing list. Join the Google group via email kogito-development+subscribe@googlegroups.com or by visiting the Google Groups page.

BLOG

Follow helpful articles and posts on Kie Blog presenting interesting use-cases and examples of Kogito in action.

CHAT

Join our community chat by joining the #kogito channel on https://kie.zulipchat.com/. Inside our KIE organization you will find various streams where you can follow any of the topic discussions, create your own topic to ask a question or even help out others. Since most of the developers use this for their day to day discussions as well, you will find a lot of experts there, and a ton of information.


KIE
kogito | 721 | (no description)
All messages
Private messages
Mentions
Starred messages
Recent topics
STREAMS
announce
drools
general
jbpm
kogito
Lambda Invocation Time
performance issues and multi...
Kogito 1.7.0.Final & Optaplan...
==== DAILY STANDUP THREAD ...
persistence
more topics
optaplanner
process-designer
serverless-workflow
tooling
trusty-ai
Subscribe to more streams
kogito ==== DAILY STANDUP THREAD ==== Yesterday
kogito persistence
Cristiano Nicolai 8:07 PM
@Tiago Dolphine @Marian Macik can you guys take a look on https://github.com/kiegroup/kogito-apps/pull/756
as soon as people have some time, https://github.com/kiegroup/kogito-apps/pull/906 is the major PR regarding the refartor needed on data index 8:22 PM
YESTERDAY
TODAY
kogito ==== DAILY STANDUP THREAD ==== Today
Edoardo Vacchi 5:32 AM
planning, meetings
kogito Kogito 1.7.0.Final & Optaplanner 8.7.0.Final
Michael Biarnés Kiefer 6:02 AM
https://rhba-jenkins.rhev-ci-vms.eng.rdu2.redhat.com/job/KIE/job/kogito/job/release/job/prepare-release-branch
kogito performance issues and multiple queries
Daniele Zonca 11:14 AM
@Tyler Thrailkill what do you mean with recompilation time? are you running in dev mode?
Tyler Thrailkill 1:27 PM
@Daniele Zonca yes, running in dev mode. Start the app in dev mode, it starts, then on first request, it tries to recompile and it's taking several minutes now, whereas before it was 30 seconds to a minute to recompile. Not sure if it's related to the above change or just due to switching to 1.6.0.
kogito Lambda Invocation Time
Tyler Thrailkill 1:28 PM
Haven't been able to deploy 1.6.0 to aws yet, been too busy with other stuff. I should be able to get to that next week though. I'll update with what the improvements look like then.
USERS
ederign (you)
Tyler Thrailkill
Alex Porcelli
Cristiano Nicolai
Daniele Zonca
Edson Tirelli
Geoffrey De Smet
Jason Porter
Jiří Locker
Kirill Gaevskii
Nathan Dennis
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Abhijit Humbe
Ajay Jaganathan
Alessandro Costa
Alessandro Lazarotti
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Anita Nair
Anna Dupliak
Anton Giertli
Antonio Arjona
ASHOK MALI
Atef Aziz
Balazs Sipos
Barry Kaplan
Björn Ryding
Branko Rovcanin
C. Andrew Manning
Chris Berger

2.2 Run the tutorial/examples

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7. Configuring Kogito supporting servi
8. Kogito glossary of terms
9. Release notes for Kogito 1.6

Kogito Documentation

The Kogito Community <https://kogito.kie.org/community/> – Version 1.6.0

Kogito

Welcome

1. Kogito business automation

Kogito is a cloud-native business automation technology for building cloud-ready business applications. The name *Kogito* derives from the Latin "Cogito", as in "Cogito, ergo sum" ("I think, therefore I am"), and is pronounced `['ko:.ɡi.to]` (*KO-jee-to*). The letter *K* refers to Kubernetes, the base for OpenShift as the target cloud platform for Kogito, and to the Knowledge Is Everything (KIE) open source business automation project from which Kogito originates.

Kogito is optimized for a hybrid cloud environment and adapts to your domain and tooling needs. The core objective of Kogito is to help you mold a set of business processes and decisions into your own domain-specific cloud-native set of services.

Found an issue? Send a contribution

Found a typo? Send a contribution

Wanna update the examples to clarify?
Send a contribution

Small and focused contributions are the best ones!

2.3 Ask/Reply questions on public channel (Help people)

2.4 Learn how to build and run the development environment

README.md

Releases

In Kogito Tooling releases page you will find extensions and released tooling packages.

Build from source

1. Check out the source:

```
git clone git@github.com:kiegroup/kogito-tooling.git
```

> If you don't have a GitHub account use this command instead:
>
> ```
> git clone https://github.com/kiegroup/kogito-tooling.git
> ```

2. Build with Yarn:

```
cd kogito-tooling
yarn run init

#prod
yarn run build:prod

# dev
yarn run build # skips integration tests and production packing
yarn run build:fast # skips lint and unit tests
```

> NOTE: It's necessary to have the Git tags fetched when building with `build:prod`.

> Final artifacts will be on `packages/*/dist` directories.

2.5 Start to learn the codebase: Read and debug source code

2.6 Start to watch/read small PR's merged and try to mimic/reimplement them locally

kiegroup / kogito-tooling

Unwatch

Code | Issues 2 | Pull requests 5 | Actions | Projects | Wiki | Security 1 | Insights

KOGITO-4892: Fix the separator replace code #477

Merged ederign merged 1 commit into `kiegroup:master` from `caponetto:KOGITO-4892-master` 26 days ago

Conversation 6 | Commits 1 | Checks 19 | Files changed 1

caponetto commented 28 days ago • edited — Member

This PR fixes a bug where custom tasks cannot be found from a WID in a BPMN file (VS Code - Windows OS only).
See KOGITO-4892

This code only replaces the first separator:

```
"test/foo/bar/see/the/seperators".replace("/", "\\")
```

See:

According to the documentation:

String.prototype.replace()

The **`replace()`** method returns a new string with some or all matches of a `pattern` replaced by a `replacement`. The `pattern` can be a string or a `RegExp`, and the `replacement` can be a string or a function to be called for each match. If `pattern` is a string, only the first occurrence will be replaced.

Thus, we need to use a regex to make it work properly.

Step 3: Start to contribute

3.1 Help with documentation

3.2 Help new users

3.3 Keep reading source code (PR's etc)

3.4 Do your first “code” contribution

Small and focused contributions are the best ones!

KOGITO-5108: Fix "Reopen As Diagram" flow #498

Edit | Open with

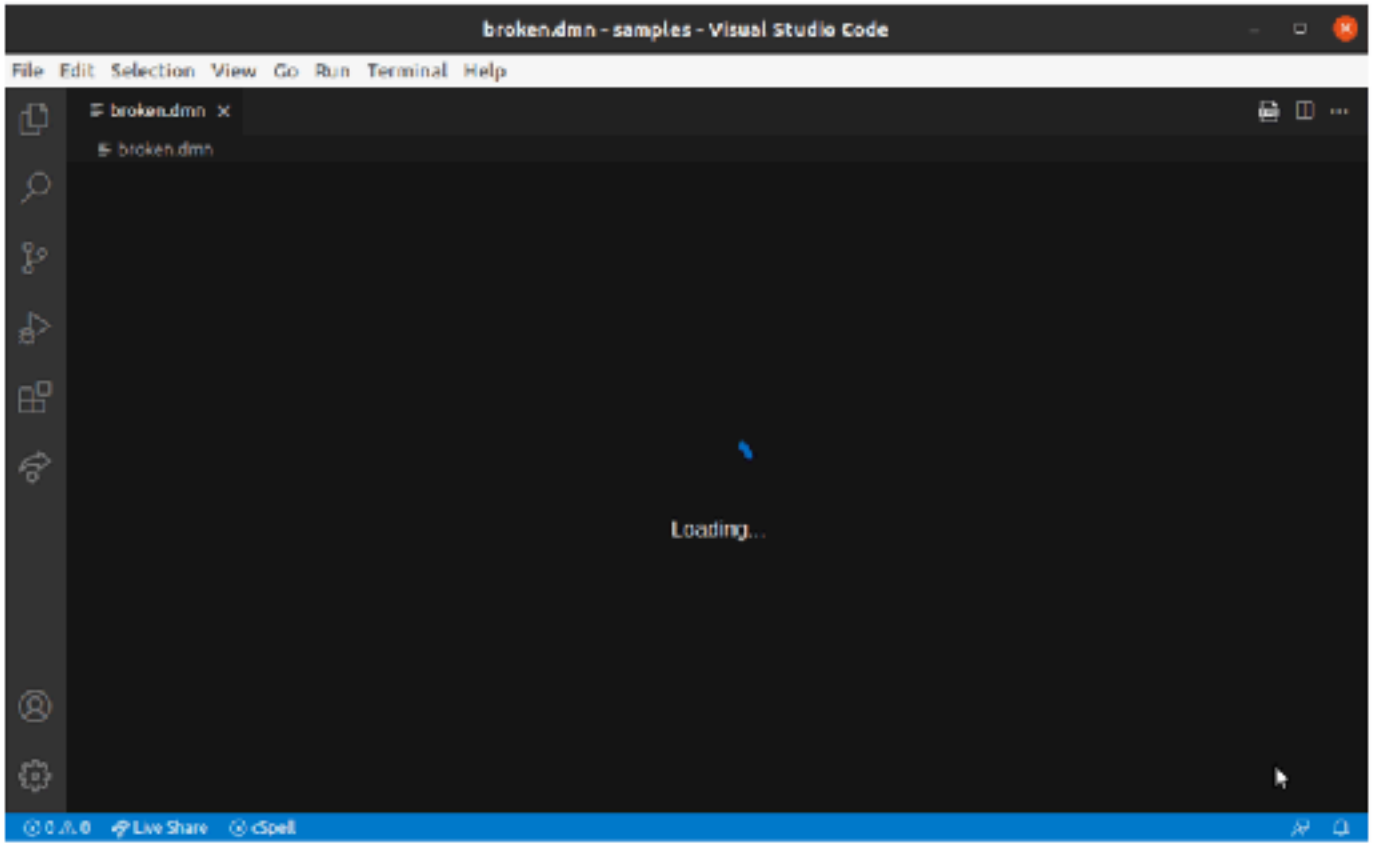
Open caponetto wants to merge 1 commit into kiegroup:master from caponetto:KOGITO-5108-master

Conversation 1 | Commits 1 | Checks 21 | Files changed 2 | +11 −10

caponetto commented 5 hours ago — Member

See KOGITO-5108

Demo



Reviewers
- ederign
- tiagobento
- tomasdavidorg

Still in progress? Convert to draft

Assignees
No one—assign yourself

Labels
None yet

Projects
None yet

Milestone
No milestone

Linked issues
Successfully merging this pull request may close these issues.
None yet

Notifications — Customize

Step 4: Repeat Step 3

I guarantee you that you will learn a lot in this process

Collaborate with the brightest minds of tech industry

Speakers

Discover our confirmed speakers for the event. More speakers will be listed during the upcoming weeks.

Katharina Probst

Director of Engineering @Google Cloud Platform

Aaron Turner

Senior Software Engineer @Fastly

Sarah Wells

Technical Director for Operations and Reliability @FT (Financial...

Bryan Cantrill

Co-Creator DTrace, Co-Founder Fishworks Sun Microsystems, &...

Sangeeta Narayanan

Director, Edge Developer Experience @Netflix and Co-Host of the...

Matthew Clark

Head Of Architecture for the @BBC's Digital Products

Howard Chu

Systems Level Developer & CTO @SymasCorp

Ana Maria Mihalceanu

Solutions Architect @IBM & Java Champion

Chris Richardson

Creator of microservices.io; Author of Microservices patterns &...

Sergey Fedorov

Director of Engineering @Netflix

Lin Clark

Senior Principal Engineer @Fastly

Randy Shoup

VP Engineering and Chief Architect @eBay

Nell Shamrell-Harrington

Principal Software Engineer @Microsoft

Lucas Cavalcanti

Principal Engineer @nubank

Dio Rettori

Head of Cloud Architecture @jpmorgan

Wes Reisz

Platform Architect @VMware & Creator/Co-host of #TheInfoQPodcast...

Anjuan Simmons

Engineering Coach @helpscout

Tammy Bryant Butow

Principal Site

Yang Chi

Software Engineer @Facebook

Aaron Beers

Senior Software Engineer @drwtrading

And suddenly..

Red Hat

Google facebook ...

"Hi, I see your contributions to {X} project and love it!
Do you wanna talk about an opportunity at
{Cool_Tech_Company}? "

Why?

1. If you already contribute to Open Source in your free time, you probably love open source culture and the project;
2. You are already familiar with the codebase;
3. I already now how you code (I can check your contributions code);
4. You are probably familiar with the community;

And what this means to you?

Work developing
bleeding edge technology

Real world experience from your home

Access to become a full time open source developer in *any* project/company

It’s not easy

But it’s possible

There are really fewer people that does this then you can imagine.

Reverse the recruit process

Choose the companies/projects that you want to work for

Code fun stuff!

Thanks!

@ederign
ederign.me
ederign@redhat.com

Next week?

Deep dive on Cloud-native business automation with Kogito for building open source intelligent applications

Kogito

Kogito is the next generation of business automation platforms focused on cloud-native development, deployment, and execution. Kogito is composed of the battle-tested projects of the KIE group: Drools, jBPM, and OptaPlanner.

READ MORE →

Drools is a business rule management system with a forward-chaining and backward-chaining inference based rules engine, allowing fast and reliable evaluation of business rules and complex event processing.

READ MORE →

jBPM is a flexible Business Process Management suite allowing you to model your business goals by describing the steps that need to be executed to achieve those goals.

READ MORE →

OptaPlanner is a constraint solver that optimizes use cases such as employee rostering, vehicle routing, task assignment and cloud optimization.

READ MORE →