



Guvnor 

Expert 

Fusion 

Flow 

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ЧТО ЭТО ТАКОЕ?
ЧТО С ЭТИМ ДЕЛАТЬ?
А ЗАЧЕМ ОНО МНЕ НАДО?



<http://www.jboss.org/drools>



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Drools

Drools

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Drools

Drools is a business rule management system (BRMS) and an enhanced Rules Engine implementation, ReteOO, based on Charles Forgy's Rete algorithm tailored for the JVM. More importantly, Drools provides for Declarative Programming and is flexible enough to match the semantics of your problem domain with Domain Specific Languages, graphical editing tools, web based tools and developer productivity tools.

Quick Start

[Product Information \(training and support\)](#)

[Drools Blog](#)

[Drools Job Board](#)

Why Choose Drools

Open Source

Drools has a business friendly [open source license](#) that makes it free to download, use, embed, and distribute.

Declarative Programming

Allow you to say "What to do" not "How to do it".

Accessible business rules

Drools is friendly to both developers and business users. DSLs allow developers to write almost natural language semantics for rule authors. GUIs and visual metaphors (RuleFlow, Decision tables in Spreadsheets) also reduce the gap between business and IT. A web based BRMS (Business Rule Management System) - called Guvnor - provides GUIs for managing rule assets.



Your hosts: [Mark Proctor](#), [Michael Neale](#), [Edson Tirelli](#) and Kris Verlaenen.

Monday, December 22, 2008

Drools 5.0 M3/M4 New and Noteworthy Release Summary

Posted by Kris Verlaenen

Previous New and Noteworth release summary notes:

[M1](#)

[M2](#)

Drools Guvnor

- Category rules allows you to set 'parent rules' for a category. Any rules appearing in the given category will 'extend' the rule specified - ie inherit the conditions/LHS. The base rule for the category can be set on package configuration tab. RHS is not inherited, only the LHS
- Scenario runner detects infinite loops
- Scenario runner can show event trace that was recorded by audit logger





Drools

InfoWorld BOSSIE Awards 2008

InfoWorld

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Best of open source developer tools

InfoWorld BOSSIE AWARDS
Best of Open Source Software

JBoss Drools

Slide 6 of 10

Business rule management system

JBoss Drools is a worthy rival to leading enterprise competitors Blaze Advisor and JRules, but is available free under the Apache open source license. It combines a very fast runtime engine, a full-featured rule repository, excellent Eclipse-based developer tools, and support for Excel-based decision tables, allowing rules to be written and maintained by business analysts. The developer group is large, and the project moves fast. Drools even has one feature the market leaders lack: the capability to import rules from almost any other BRMS. [FULL REPORT ...](#)

[E-mail to a friend](#)

[More Slideshows](#)

< Prev

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8

9

10

Next >



irc.codehaus.org #drools

Codehaus: #drools

IRC Edit Network Discussion View Help

Codehaus
#camel
#drools
#droolsdev
FreeNode

Feliz Natal!! Joyeux Noël!! Merry Christmas!!

[13:43] <conan> there is value to our pipeline stuff though, ignoring the jms issue.
[13:43] as it's much simpler than the camel one
[13:43] and it's aimed specifically at transformations and interaction with a knowledge session
[13:43] after 5.0 we will include this pipeline stuff as part of drools flow, so that there is tooling for it.
[13:43] does the unit test make sense?
[13:43] what I'm tempted to do is just leave the JmsMessenger one in
[13:43] as it's there and works
[13:43] and I don't have time to do the camel integration for drools 5.0
[13:43] and then do the camel integration for 5.1
[13:43] so yes JmsMessenger will be redndant at that point, but I'm not sure there would be any harm in that. and some
[13:43] people who don't want to use camel, and have a simple problem, might be happy using the simple JmsMessenger.
[13:43] <mr|smith> yeah, the test is clear enough.
[13:43] <conan> make ense?
[13:43] sense
[13:43] <mr|smith> do you think most of your users are using spring?
[13:43] <conan> no
[13:43] that's part of the problem
[13:43] spring is a compettitor to jboss
[13:43] so we don't want ot over promote spring anyway
[13:43] <mr|smith> heh. too late :)
[13:43] <conan> it's only because camel now works with guice, which we can promote, that I'm considering this anyway.
[13:43] <mr|smith> yeah, i'd leave the JmsMessenger in for now.
[13:43] <conan> ok great
[13:43] and the example in the unit test
[13:43] does it make sense, look ok?
[13:43] what it does is create an xml messege and send it
[13:43] it gets received, transformed into a pojo and inserted
[13:43] then just to round trip that as a check, we then get the object and transform it back into xml
[13:43] <mr|smith> it could use a few lines of docs, but nothing major.
[13:43] that's actually one of my concerns. i recreate my WM every time a play list is published.
[13:43] <conan> I'll javadoc the entire pipeline later
[13:43] most of droosl-api is reasonable well javadocced
[13:43] so I'll continue that trend for pipeline
[13:43] mic_hat: talking of camel, and i know you are playing with scala - <http://activemq.apache.org/camel/scala-dsl.html>
[13:43] <mic_hat> clever
[13:43] bit of implicit abuse going on but its probably ok :)

17 Users arhan

+0.0s lag



Drools
Guvnor 

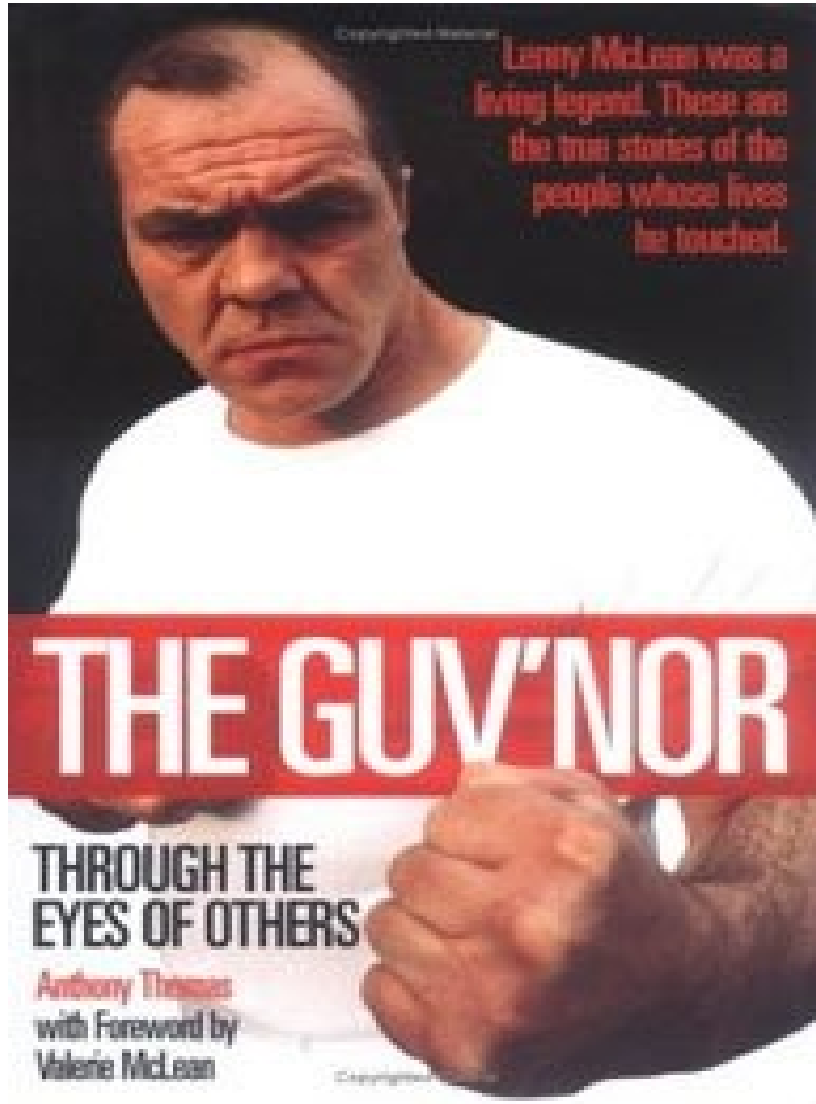
Drools
Expert 

Drools
Flow 

Drools
Fusion 




Drools
Guvnor 



Guvnor = **BRMS**, **B**usiness **R**ule **M**anagement **S**ystem — система управления бизнес-правилами, СУБП ? :)

Leonard McLean (9 April 1949 - 28 July 1998), better known as "**The Guv'nor**", was a famed East End of London bareknuckle fighter, bouncer, former criminal, author, television presenter, and actor; McLean was often referred to as "the hardest man in Britain". - *Wikipedia*

- Ориентация на функциональных пользователей (не на программистов)
- Гипотетические преимущества
 - Снижение зависимости от программиста для внесения изменений в работу ИС
 - Повышение контроля за бизнес-логикой

Welcome: anton [\[Sign Out\]](#)

Navigate Guvnor

Assets view

Create New

Assets

- Find
- By Status
- By Category

Packages


QA

Package snapshots

Administration

Find


Name search ...



Find items with a name matching:

Include archived assets in results: ☐

Search



Enter the name or part of a name. Alternatively, use the categories to browse.

Text search ...

Search for:

Search

Attribute search ...

Created by:

Format:

Subject:

Type:

External link:

Source:

Description:

Last modified by:

Checkin comment:

Date created After:


Before:

Last modified After:

Before:

Search

Close all items

Welcome: anton [\[Sign Out\]](#)

Navigate Guvnor

Assets view

Create New

Assets

- Find
- By Status
 - Draft
- By Category
 - Home Mortgage
 - Eligibility rules**
 - Pricing rules
 - Test scenarios
 - Technical
 - Commercial Mortgage

Packages +

QA +






Package snapshots +

Administration +

Find

Category: Eligibil

5 items. (refresh list)

Name	Last modified	Status	Package
 Underage	Oct 1, 2008	Draft	mortgages
 Bankruptcy history	Oct 1, 2008	Draft	mortgages
 No bad credit checks	Oct 1, 2008	Draft	mortgages
 no NINJAs No ninjas !	Oct 2, 2008	Draft	mortgages
 CreditApproval	Oct 21, 2008	Draft	mortgages

Close all items

Welcome: anton [\[Sign Out\]](#)

Navigate Guvnor

Assets view

Create New

Assets

- Find
- By Status
 - Draft
- By Category
 - Home Mortgage
 - Eligibility rules
 - Pricing rules
 - Test scenarios
 - Technical
 - Commercial Mortgage

Packages

QA

Package snapshots

Administration

Find

Category: Eligibility

no NINJAs

Save changes

Copy

Archive

Change state

Status: [Draft]

WHEN

LoanApplication [app]

There is no IncomeSource

THEN

Set value of [app] approved false

explanation no NINJAs

Retract[app]

(options)

Attributes:

salience 10

View source

Validate

No ninjas ! test test test

no NINJAs

Title: no NINJAs

Categories: Home Mortgage/Eligibility rules

Modified Thu 15 Jan 2009 03:10:08 PM EEST

on:

by: anton

Note: test

Created on: Wed 14 Jan 2009 02:29:53 PM EEST

Created by: mic

Format: brl

Package: mortgages

Is

Disabled:

Other meta data ...

Version history ...

Current version number: 7

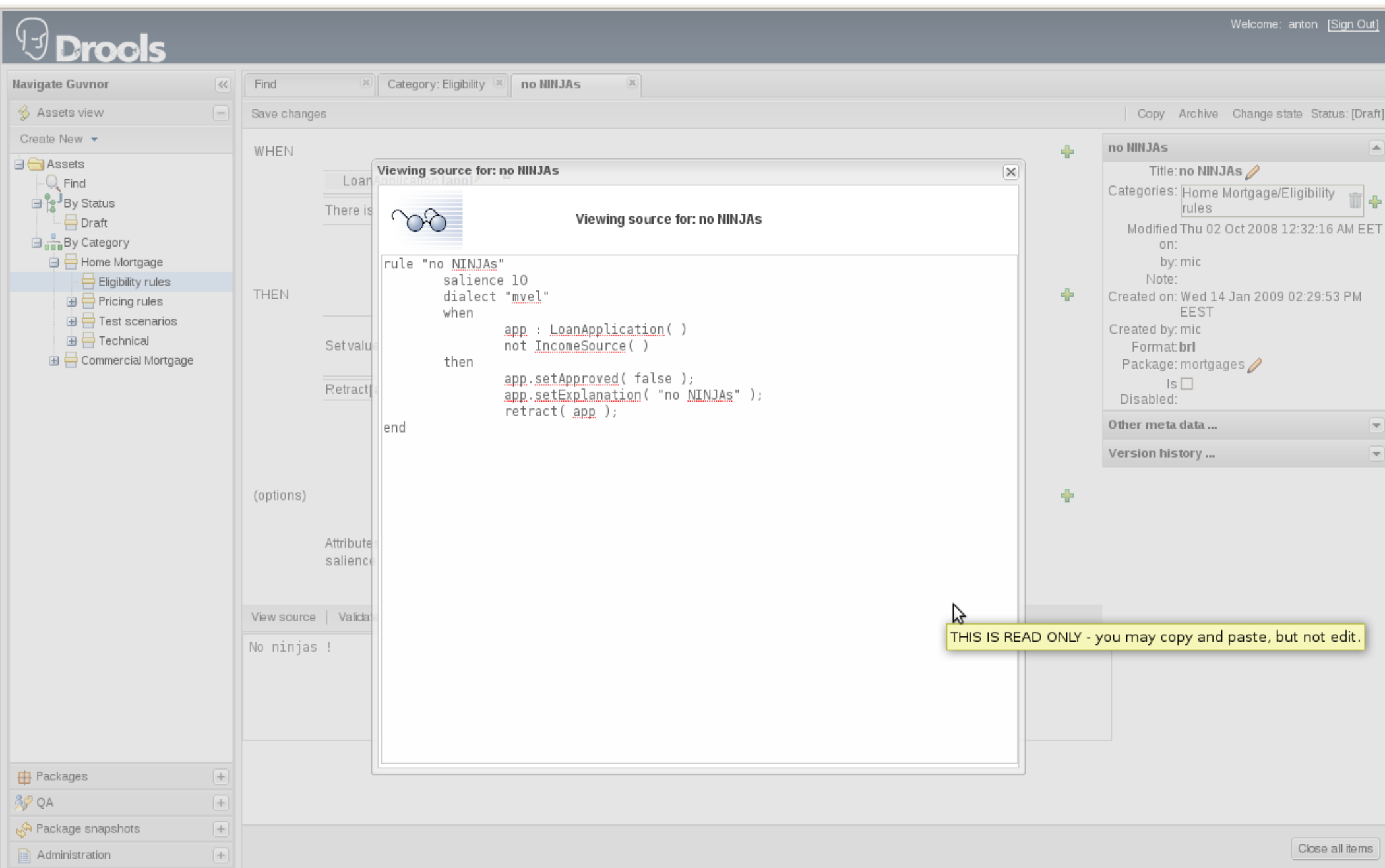
Version history

6 modified on: 1/15/09 3:09 PM (test)

5 modified on: 1/15/09 3:09 PM (test)

View

Close all items



The screenshot displays the Drools GUVNOR web interface. On the left is a 'Navigate Guvnor' sidebar with a tree view of assets, including 'Home Mortgage' and 'Eligibility rules'. The main workspace shows a rule editor for a rule named 'no NINJAs'. A modal window titled 'Viewing source for: no NINJAs' is open, displaying the rule's source code. The rule is a salience-based rule with a dialect of 'mvel'. The 'when' section contains a condition where a 'LoanApplication' object is not an 'IncomeSource'. The 'then' section contains actions to set the application's approved status to false, set its explanation to 'no NINJAs', and retract the application object. On the right, a panel shows the rule's metadata, including its title, categories, creation/modification dates, and creator. A yellow tooltip at the bottom right of the modal window states: 'THIS IS READ ONLY - you may copy and paste, but not edit.'

Welcome: anton [Sign Out]

Assets view

Create New

Assets

Find

By Status

Draft

By Category

Home Mortgage

Eligibility rules

Pricing rules

Test scenarios

Technical

Commercial Mortgage

Find

Category: Eligibility

no NINJAs

Save changes

Copy Archive Change state Status: [Draft]

no NINJAs

Title: no NINJAs

Categories: Home Mortgage/Eligibility rules

Modified Thu 02 Oct 2008 12:32:16 AM EET

on:

by: mic

Note:

Created on: Wed 14 Jan 2009 02:29:53 PM EEST

Created by: mic

Format: brl

Package: mortgages

Is ☐

Disabled:


Other meta data ...

Version history ...

```
rule "no NINJAs"
  salience 10
  dialect "mvel"
  when
    app : LoanApplication( )
    not IncomeSource( )
  then
    app.setApproved( false );
    app.setExplanation( "no NINJAs" );
    retract( app );
  end
```

THIS IS READ ONLY - you may copy and paste, but not edit.

Close all items



Welcome: anton [Sign Out](#)

Navigate Guvnor

Assets view

Create New

Assets

Packages

QA

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Administration

Find

Category: Eligibility

no NINJAs

Save changes

Copy

Archive

Change state

Status: [Draft]

WHEN

LoanApplication [app]

There is no IncomeSource

THEN

Set value of [app]

Retract [app]

(options)

Attributes: salience 10

View source

Validate

No ninjas ! test test test

no NINJAs

Title: no NINJAs

Categories: Home Mortgage/Eligibility rules

Modified Thu 15 Jan 2009 03:10:08 PM EEST

on:

by: anton

Note: test

Created on: Wed 14 Jan 2009 02:29:53 PM EEST

Created by: mic

Format: brl

Package: mortgages

Is

Disabled:

Other meta data ...

Version history ...

Current version number: 7


Version history

6 modified on: 1/15/09 3:09 PM (test)

5 modified on: 1/15/09 3:09 PM (test)

View

Close all items

Welcome: anton [\[Sign Out\]](#)

Navigate Guvnor

Assets view

Create New

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Find

Category: Eligibility

no NINJAs

Category: Pricing r

Pricing loans

Save changes

Copy

Archive

Decision table


Modify...

	Desc	amount min	amount max	period	income	deposit max	Loan approved	LMI	rate
income: Asset (1 Item)									
3		131000	200000	30	Asset	20000	true	0	2
income: Job (2 Items)									
1		10000	100000	20	Job	2000	true	0	4
2		100001	130000	20	Job	3000	true	10	6

View source | Validate

<documentation>

Close all items

Welcome: anton [\[Sign Out\]](#)

Navigate Guvnor

Assets view

Packages

Create New

Packages

defaultPackage

mortgages

Business rule assets

Technical rule assets

Functions

DSL configurations

Model

Rule Flows

Enumerations

Test Scenarios

XML, Properties

Other assets, documentation

QA

Package snapshots

Administration

Category: Technical

DateDslRule

ApplicantDsl

Model [mortgages]

MortgageModel

Save changes

Copy

Archive

Change state

Status: [Draft]

LoanApplication

Add field

amount: Whole number (integer)

approved: True or False

approvedRate: Whole number (integer)

deposit: Whole number (integer)

explanation: Text

lengthYears: Whole number (integer)

insuranceCost: Whole number (integer)

Applicant

Add field

creditRating: Text

approved: True or False

applicationDate: java.util.Date

name: Text

age: Whole number (integer)

IncomeSource

Bankruptcy

Add new fact type

View source

Validate

<documentation>

MortgageModel

Title: MortgageModel

Categories: +

Modified Wed 22 Oct 2008 11:01:14 PM

on: EET

by: admin

Note:

Created on: Wed 14 Jan 2009 02:29:53 PM

EEST

Created by: mic

Format: model.drl

Package: mortgages

Is

Disabled:

Other meta data ...

Version history ...

Close all items



DSL (вербализация)

Welcome: anton [\[Sign Out\]](#)

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XML, Properties

Other assets, documentation

Category: Technical

DateDslRule

ApplicantDsl

Save changes

Copy

Archive

Change state

Status: [Draft]

```
[when]When the credit rating is {rating:ENUM:Applicant.creditRating} = applicant:Applicant(creditRating=="{rating}")
[then]Approve the loan = applicant.setApproved(true)

[when]When the applicant dates is after {dos:DATE:dateVal} = applicant:Applicant(applicationDate>"{dos}")

[when]When the applicant approval is {bool:BOOLEAN:checked} = applicant:Applicant(approved=={bool})

[when]When the ages is less than {num:1?[0-9]?[0-9]} = applicant:Applicant(age<{num})
```

View source

Validate

<documentation>

ApplicantDsl

Title: ApplicantDsl

Categories: +

Modified Wed 22 Oct 2008 11:01:37 PM
on: EET
by: admin
Note:

Created on: Wed 14 Jan 2009 02:29:54 PM
EEST

Created by: alan_parsons

Format: dsl

Package: mortgages

Is ☐

Disabled:

Other meta data ...


Version history ...

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Close all items

Welcome: anton [\[Sign Out\]](#)

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Create New

Packages

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- mortgages
 - Business rule assets
 - Technical rule assets
 - Functions
 - DSL configurations
 - Model
 - Rule Flows
 - Enumerations
 - Test Scenarios
 - XML, Properties
 - Other assets, documentation

QA

Package snapshots

Administration

Category: Technical ✕ **DateDslRule** ✕

Save changes

Copy Archive Change state Status: [Draft]

WHEN

When the applicant dates is after 01/15/09

January 2009

S	M	T	W	T	F	S
28	29	30	31	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	Today	1
1	2	3	4	5	6	7

Today

THEN

(options)

View source | Validate

<documentation>

DateDslRule

Title: **DateDslRule**

Categories: Home Mortgage/Technical

Modified Fri 24 Oct 2008 12:38:10 AM EET

on:

by: admin

Note:

Created on: Wed 14 Jan 2009 02:29:54 PM EEST

Created by: admin

Format: **brl**

Package: mortgages


Is ☐

Disabled:

Other meta data ...

Version history ...

Close all items

Welcome: anton [\[Sign Out\]](#)

Navigate Guvnor

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Packages

- defaultPackage
- mortgages
 - Business rule assets
 - Technical rule assets
 - Functions
 - DSL configurations
 - Model
 - Rule Flows
 - Enumerations
 - Test Scenarios
 - XML, Properties
 - Other assets, documentation


QA

Package snapshots

Administration

XML, Properties [m] Other assets, docu drools

Save changes



drools

Upload new version:

Download current version:

Upload new version...

<documentation>

drools

Title: **drools**

Categories: +

Modified Tue 30 Sep 2008 04:36:29 AM on: EET by: mic

Note:

Created on: Wed 14 Jan 2009 02:29:52 PM EEST

Created by: mic

Format: **package**


Package: mortgages

Is ☐

Disabled:

Other meta data ...

Version history ...

Welcome: anton [\[Sign Out\]](#)

Navigate Guvnor

Assets view

Packages

QA

Test Scenarios in packages

Analysis

defaultPackage

mortgages

Analysis for mortgages

Analysing package: mortgages

Run analysis

No Errors

Warnings (22 items).

Rule 'RegexDslRule' has no RHS.
Reason: Rule 'RegexDslRule'

Rule 'CheckBoxDslRule' has no RHS.
Reason: Rule 'CheckBoxDslRule'

Rule 'DateDslRule' has no RHS.
Reason: Rule 'DateDslRule'

Rule 'Dummy rule' has no RHS.

Rule base covers == OK, but it is missing != OK

Rule base covers == Job, but it is missing != Job

Rule base covers == 20, but it is missing != 20

Rule base covers == Job, but it is missing != Job

Rule base covers == 20, but it is missing != 20

Rule base covers == Asset, but it is missing != Asset

Rule base covers == 30, but it is missing != 30

Rule base covers == Sub prime, but it is missing != Sub prime

Rule base covers == OK, but it is missing != OK


Rules are equivalent.

Rules are equivalent.

Package snapshots

Administration

Close all items

Welcome: anton [\[Sign Out\]](#)

Navigate Guvnor

Assets view

Packages

QA

Test Scenarios in packages

- defaultPackage
- mortgages


Analysis

- defaultPackage
- mortgages

Package snapshots






Administration

Analysis for mortgagesScenarios for mortgages


Scenarios for package: mortgages

Run all scenarios

Showing #5 of 5 items. (refresh list)

Name	Last modified	Status	Package
 Are they old enough Test really basic validation, common sense stuff	Jan 14, 2009	Draft	mortgages
 No bankruptcies We don't want bankrupt people since 1990, or if the	Oct 1, 2008	Draft	mortgages
 Good credit history only Obviously we only want people who can pay stuff back	Oct 1, 2008	Draft	mortgages
 NINJAs	Oct 1, 2008	Draft	mortgages
 Pricing low end	Oct 1, 2008	Draft	mortgages

Close all items

Welcome: anton [\[Sign Out\]](#)

Navigate Guvnor

Assets view

Packages

QA

Test Scenarios in packages

- defaultPackage
- mortgages


Analysis

- defaultPackage
- mortgages

Package snapshots

Administration

Analysis for mortg: Scenarios for mc



Scenarios for package: mortgages

Run all scenarios

Overall result: **FAILURE**

Results:

0.75%

 1 failures out of 12 expectations.

Rules covered:

75%

 75% of the rules were tested.

Uncovered rules:

Row 3 Pricing loans

DateDslRule

Row 2 Pricing loans

Scenarios

Are they old enough:

50%

 [1 failures out of 2]

Open

No bankruptcies:

100%

 [0 failures out of 3]

Open

Good credit history only:

100%

 [0 failures out of 2]

Open

NINJAs:

100%

 [0 failures out of 2]

Open

Pricing low end:


100%

 [0 failures out of 3]

Open

Close

Close all items

Welcome: anton [\[Sign Out\]](#)

Navigate Guvnor

Assets view

Packages

QA

Test Scenarios in packages

defaultPackage

mortgages

Analysis

defaultPackage

mortgages

Package snapshots

Administration

Analysis for mortg

Scenarios for mortg

NINJAs

Save changes

Run scenario

+ GIVEN

Run this scenario. This will build the package if it is not already built (which may take some time).

Add a field

insert [Applicant]

[applicant]

Add a field

+ EXPECT

Use real date and time

LoanApplication [app] has values:

approved: equals false

explanation: equals no NINJAs

More...

(configuration)

All rules may fire

+ (globals)

<documentation>

NINJAs

Title: NINJAs

Categories: Home Mortgage/Test scenarios

Modified Wed 01 Oct 2008 05:47:32 AM on: EET by: mic

Note:

Created on: Wed 14 Jan 2009 02:29:54 PM EEST

Created by: mic

Format: scenario

Package: mortgages


Is

Disabled:

Other meta data ...

Version history ...

Close all items

Welcome: anton [\[Sign Out\]](#)

Navigate Guvnor

Assets view

Packages

QA

Test Scenarios in packages

defaultPackage

mortgages

Analysis

defaultPackage

mortgages

Analysis for mortg: X Scenarios for mortg: X **NINJAs** X

Save changes Copy Archive Change state Status: [Draft]

Run scenario

Results: 100%

Summary: [app] field [approved] was [false].
[app] field [explanation] was [no NINJAs].

Audit log:

- OBJECT ASSERTED value: LoanApplication(amount=null, approved=null, approvedRate=null, deposit=null, explanation=null, lengthYears=null, insuranceCost=null) factId: 1
- OBJECT ASSERTED value: Applicant(creditRating=null, approved=null, applicationDate=null, name=null, age=null) factId: 2
- FIRING rule: [no NINJAs] activationId: no NINJAs [1] declarations: app=LoanApplication(amount=null, approved=null, approvedRate=null, deposit=null, explanation=null, lengthYears=null, insuranceCost=null)(1)
- OBJECT RETRACTED value: LoanApplication(amount=null, approved=false, approvedRate=null, deposit=null, explanation=no NINJAs, lengthYears=null, insuranceCost=null) factId: 1
- FIRING rule: [CheckBoxDslRule] activationId: CheckBoxDslRule [0] declarations:
- FIRING rule: [Dummy rule] activationId: Dummy rule [0] declarations:

+ GIVEN

- insert [LoanApplication]
[app]
Add a field
- insert [Applicant]
[applicant]
Add a field

+ EXPECT

- 3 rules fired in 2ms. Show rules fired
- Use real date and time
- LoanApplication [app] has values:
 - approved: equals false
 - explanation: equals no NINJAs

More...
(configuration) All rules may fire
+ (globals)

<documentation>

NINJAs

Title: NINJAs

Categories: Home Mortgage/Test scenarios

Modified Wed 01 Oct 2008 05:47:32 AM on: EET by: mic

Note:

Created on: Wed 14 Jan 2009 02:29:54 PM EEST

Created by: mic

Format: scenario

Package: mortgages

Is ☐

Disabled:

Other meta data ...

Version history ...

Package snapshots

Administration

Close all items



Горяченькое – готово к употреблению

Drools

Welcome: anton [\[Sign Out\]](#)

Navigate Guvnor

Assets view

Packages

QA

Package snapshots

Deploy...

Package snapshots

- defaultPackage
- mortgages
 - TEST
 - ANOTHER

Administration

Snapshot: TEST mortgages

Package name: mortgages

Configuration

Configuration: Imported types Globals Advanced view

Description: Mortgages that aren't freaking stupid

Category Rules: + i

Information and important URLs

Last contributor: mic

Date created: Wed 14 Jan 2009 02:29:55 PM EEST

Show package source: Show package source

URL for package source: <http://localhost:8080/drools-guvnor/org.drools.guvnor.Guvnor/package/mortgages/TEST.drl> i

URL for package binary: <http://localhost:8080/drools-guvnor/org.drools.guvnor.Guvnor/package/mortgages/TEST> i

URL for running tests: <http://localhost:8080/drools-guvnor/org.drools.guvnor.Guvnor/package/mortgages/TEST/SCENARIOS> i

Status:

Close all items



Кто тут нахламил?!

Welcome: anton [\[Sign Out\]](#)

Navigate Guvnor

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Event log

+

User permission

+

Import/Export

+

WebDAV

+

Snapshot: TEST

mortgages

User Permission m

Import Export

Category Manager

State Manager

Archived Manager

Event Log

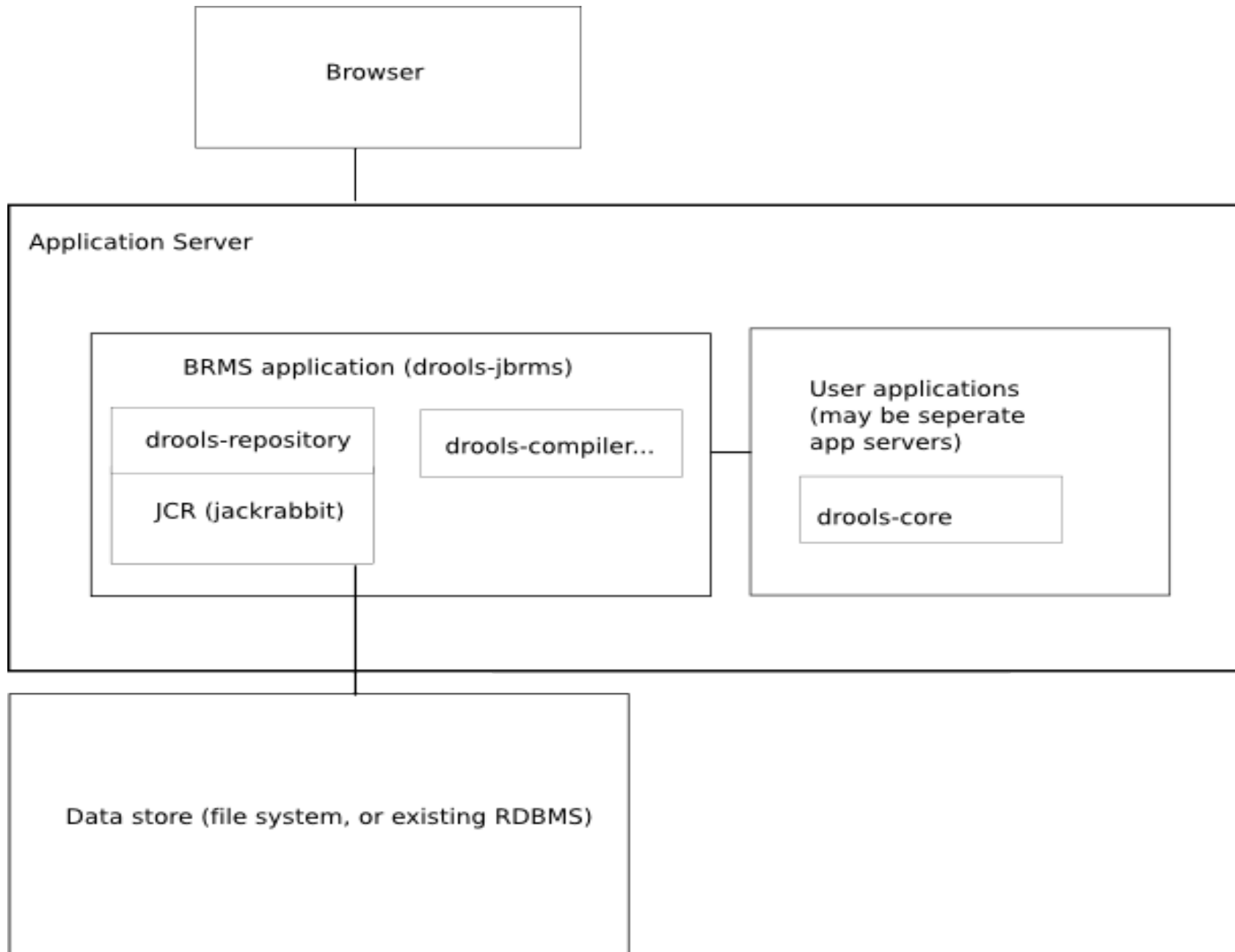
Showing recent INFO and ERROR messages from the log: Reload

Timestamp	Message
Thu Jan 15 2009 15:10:07 GMT+020	USER:anton CHECKING IN asset: [no NINJAs] UUID: [61aec69e-e20a-43f5-b7c1-5c10cf19c589] ARCHIVED [false]
Thu Jan 15 2009 15:10:07 GMT+020	USER:anton CHECKING IN asset: [no NINJAs] UUID: [61aec69e-e20a-43f5-b7c1-5c10cf19c589] ARCHIVED [false]
Thu Jan 15 2009 15:09:47 GMT+020	USER:anton CHECKING IN asset: [no NINJAs] UUID: [61aec69e-e20a-43f5-b7c1-5c10cf19c589] ARCHIVED [false]
Thu Jan 15 2009 15:09:47 GMT+020	USER:anton CHECKING IN asset: [no NINJAs] UUID: [61aec69e-e20a-43f5-b7c1-5c10cf19c589] ARCHIVED [false]
Thu Jan 15 2009 15:09:38 GMT+020	USER:anton CHECKING IN asset: [no NINJAs] UUID: [61aec69e-e20a-43f5-b7c1-5c10cf19c589] ARCHIVED [false]
Thu Jan 15 2009 15:09:38 GMT+020	USER:anton CHECKING IN asset: [no NINJAs] UUID: [61aec69e-e20a-43f5-b7c1-5c10cf19c589] ARCHIVED [false]

Close all items

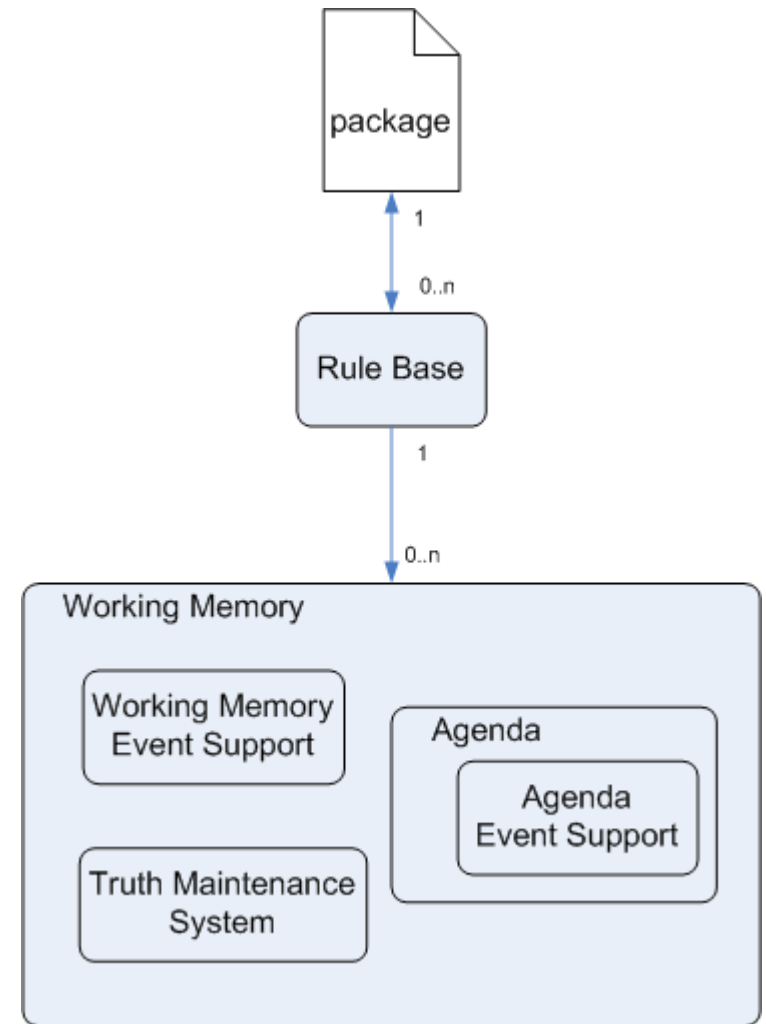
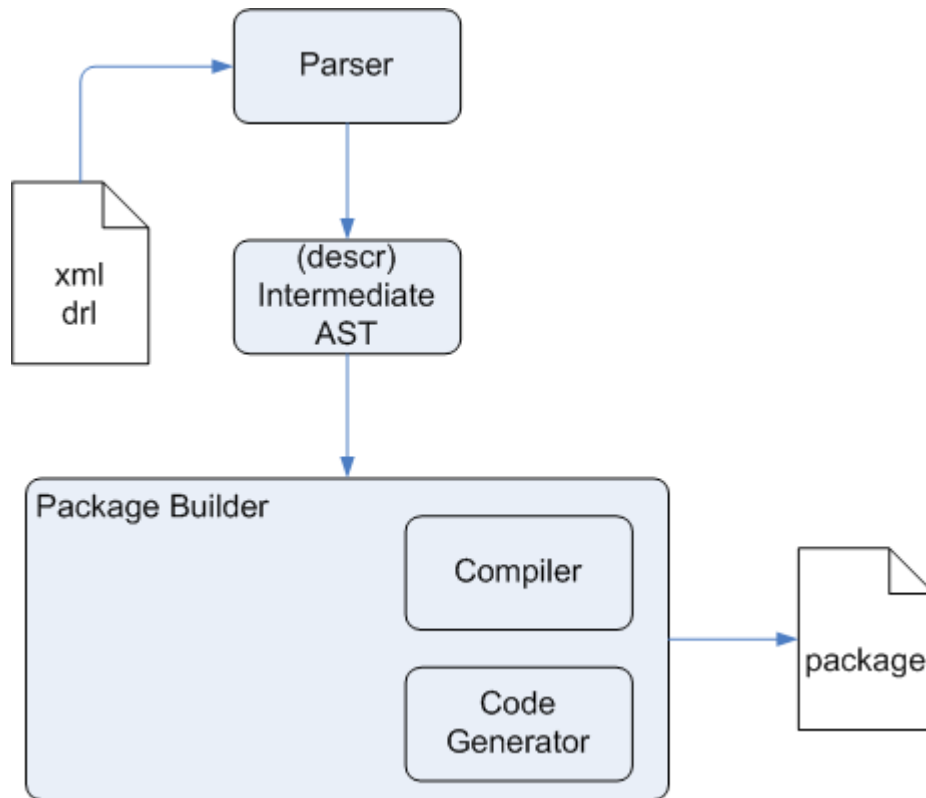


Архитектура JBoss Guvnor





Drools
Expert 



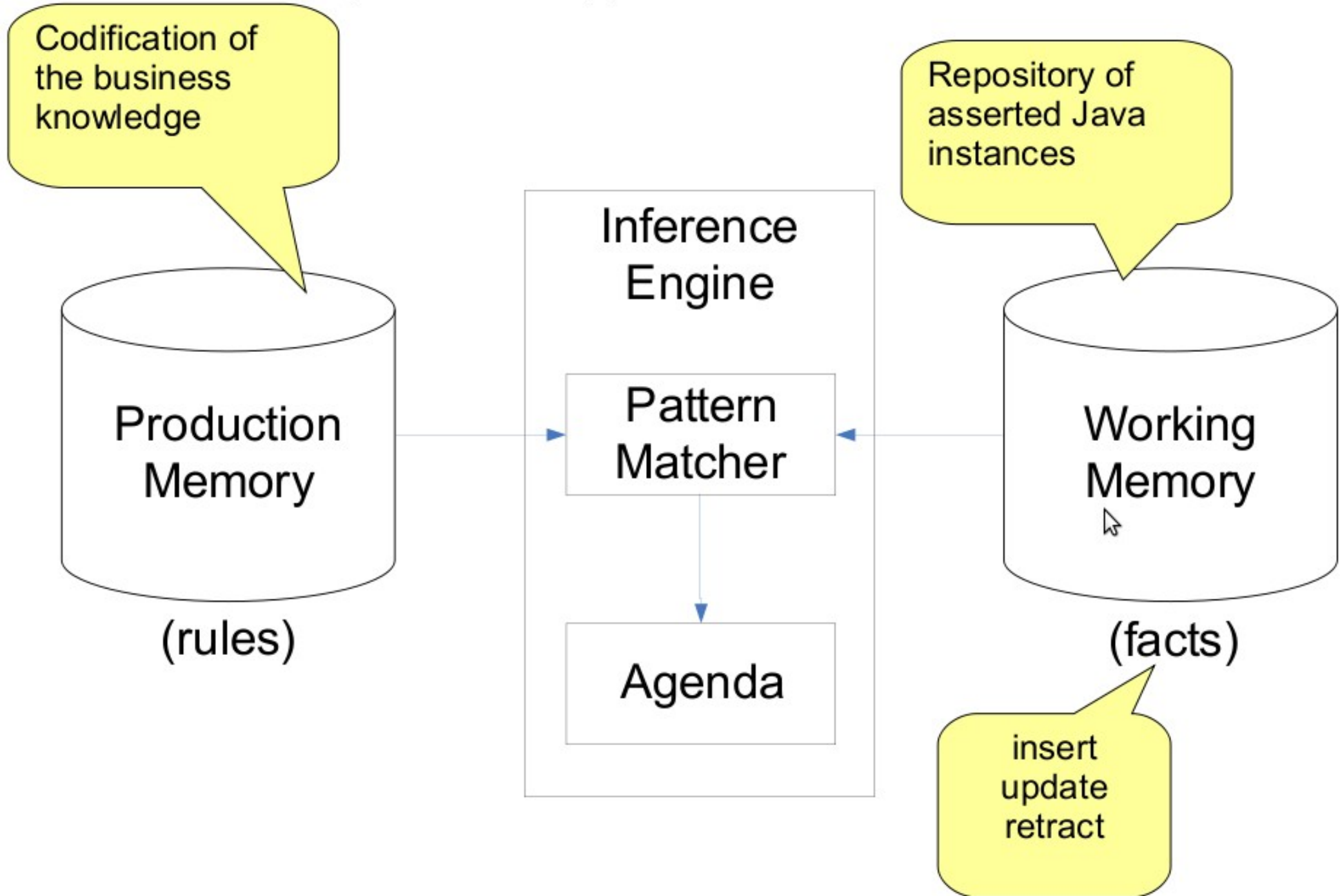
Что такое “правило”?

Quotes on Rule names are optional if the rule name has no spaces.

```
• rule "<name>"  
  <attribute> <value>  
  when  
    <LHS>  
  then  
    <RHS>  
end
```

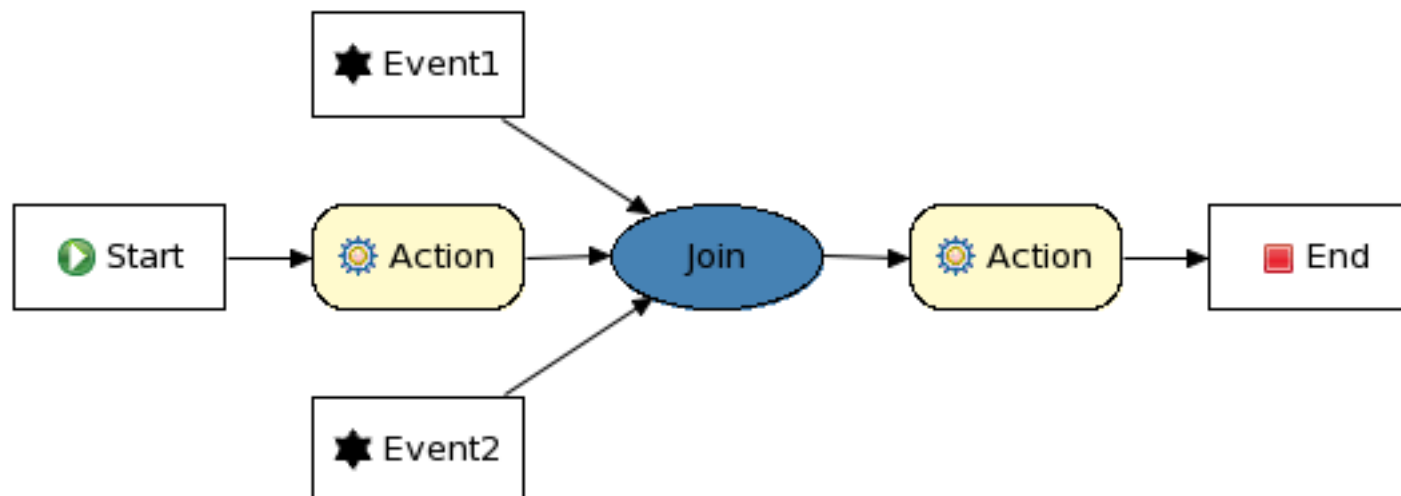
salience	<int>
agenda-group	<string>
no-loop	<boolean>
auto-focus	<boolean>
duration	<long>

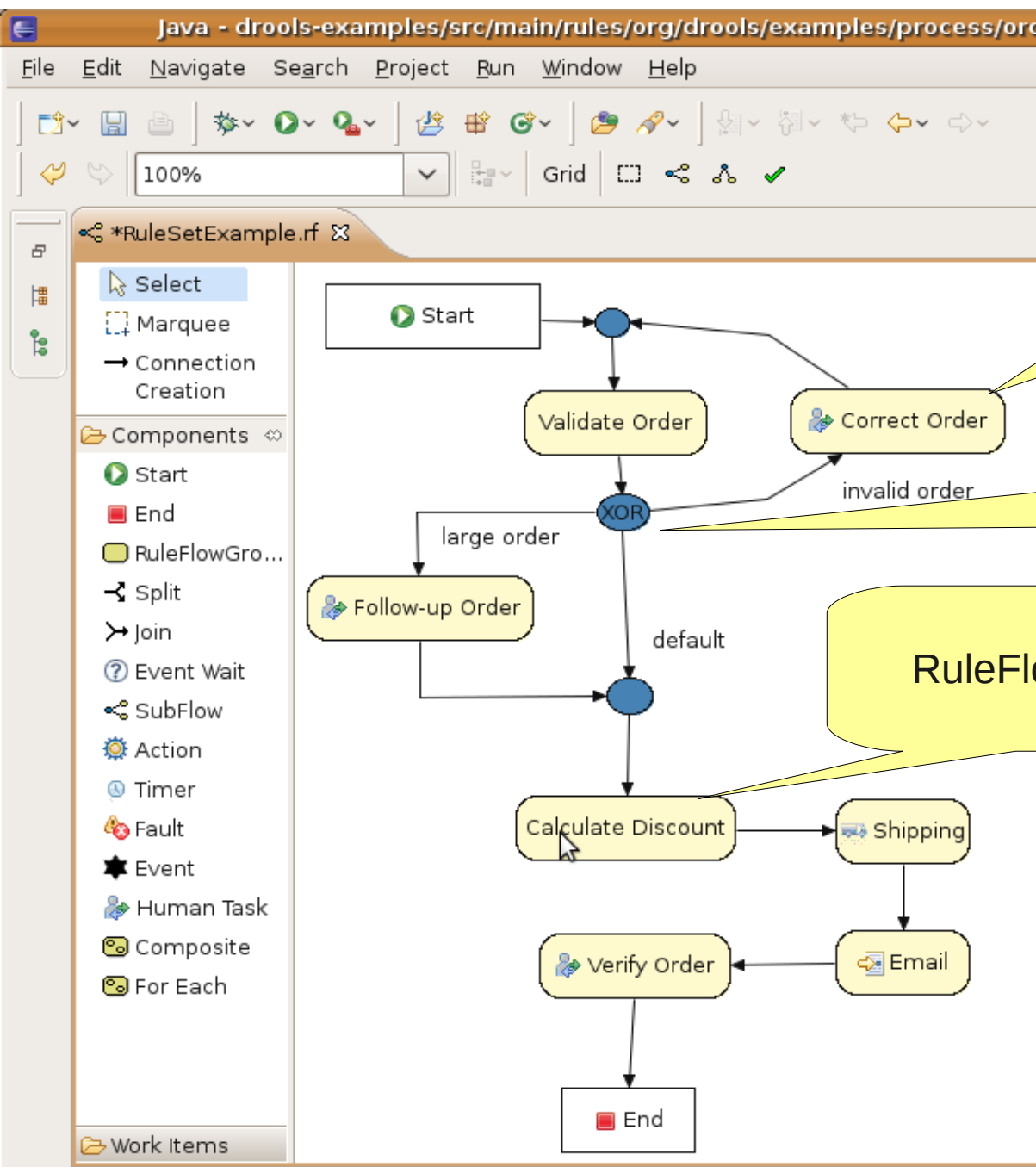
RHS can be any valid java.
Or MVEL. Future versions
may support other
languages.





*Движок для реализации потоков
рабочих процессов и совмещения с
набором бизнес-правил*



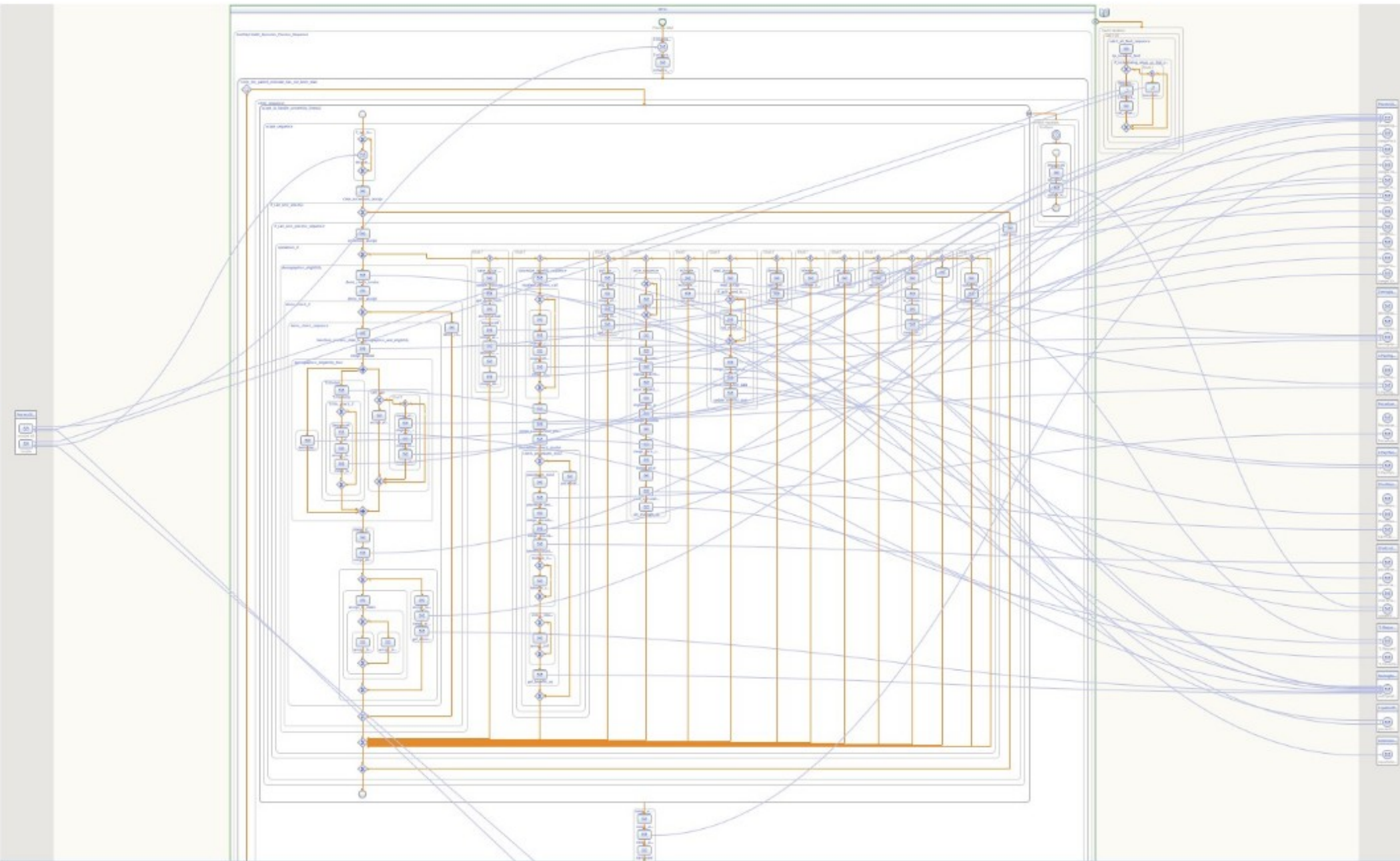




Для чего связка
правил с процессами?

- Процесс – средство для организации последовательности
- Бизнес-правило – средство для принятия решения или некое действие над данными
- У правил и процессов разный цикл жизни:
 - Процессы меняются не так часто, как бизнес-правила

Для чего связка
правил с процессами?



Для чего связка правил с процессами?



- Drools Flow: 2 в 1 – правила + процессы
 - Правила можно использовать где угодно внутри процесса
 - Принятия решений, ограничения, обработка ошибок, итд
- Процессы и правила обрабатывают одни и те же данные хранящиеся в рабочей памяти.
 - Не нужна синхронизация или передача объектов по ссылке
- Имеется открытый АПИ и средства для разработки



Статус проекта

Project Lead: [Mark Proctor](#)
URL: <http://www.jboss.org/drools>
Description:
The JBoss Drools project.

[Release Notes](#)

[Select](#) [Open Issues](#) [Road Map](#) [Change Log](#) [Popular Issues](#) [Calendar](#) [Subversion Commits](#) [Labels](#) [Versions](#) [Components](#) [FishEye](#)

Components

(with open issues in each component)

All	13
drools-ant	4
drools-compiler	42
drools-compiler (expert)	5
drools-compiler (fusion)	1
drools-core	3
drools-core (expert)	14
drools-core (flow)	11
drools-decisiontables	8
drools-docs	4
drools-docs-expert	3
drools-eclipse	34
drools-guvnor	46
drools-jsr94	1
drools-mc	1
drools-process	1
drools-solver	14
drools-verifier	1
No Component	52

Versions

(with open issues due to be fixed per version)

4.0.8	2
5.0.0.M5	68
FUTURE	76
Unscheduled	98

Reports

[Recently Created Issues Report](#)
[Created vs Resolved Issues Report](#)
[Resolution Time Report](#)
[Average Age Report](#)
[Pie Chart Report](#)
[Release Notes Report](#)
[User Workload Report](#)
[Version Workload Report](#)
[Time Tracking Report](#)
[Single Level Group By Report](#)

Preset Filters

- [All](#)
- [Outstanding](#)
- [Unscheduled](#)
- [Most important](#)
- [Resolved recently](#)
- [Added recently](#)
- [Updated recently](#)

Project Summary

Open	238	12%
Coding In Progress	2	
Reopened	3	
Resolved	614	32%
Closed	1048	55%

Open Issues

By Priority

Blocker	1	
Critical	3	1%
Major	177	73%
Minor	43	18%
Optional	14	6%
Trivial	5	2%

By Assignee

Ales Justin	1	
Alexandre Porcelli	1	
Edson Tirelli	51	21%
Geoffrey De Smet	13	5%
John Graham	1	
Kris Verlaenen	36	15%
Mark Proctor	92	38%
Mauricio Salatino	2	1%
Michael Neale	36	15%
Tihomir Surdilovic	2	1%
Toni Rikkola	4	2%

ЧТО ЭТО ТАКОЕ?

Jboss Drools - система управления бизнес-правилами.

ЧТО С ЭТИМ ДЕЛАТЬ?

Описывать бизнес-правила и процессы для исполнения на сервере или в уже существующих приложениях.

А ЗАЧЕМ ОНО МНЕ НАДО?

Чтоб бы быть ближе к пользователю.

