

Pharo: The ultimate live object-oriented system

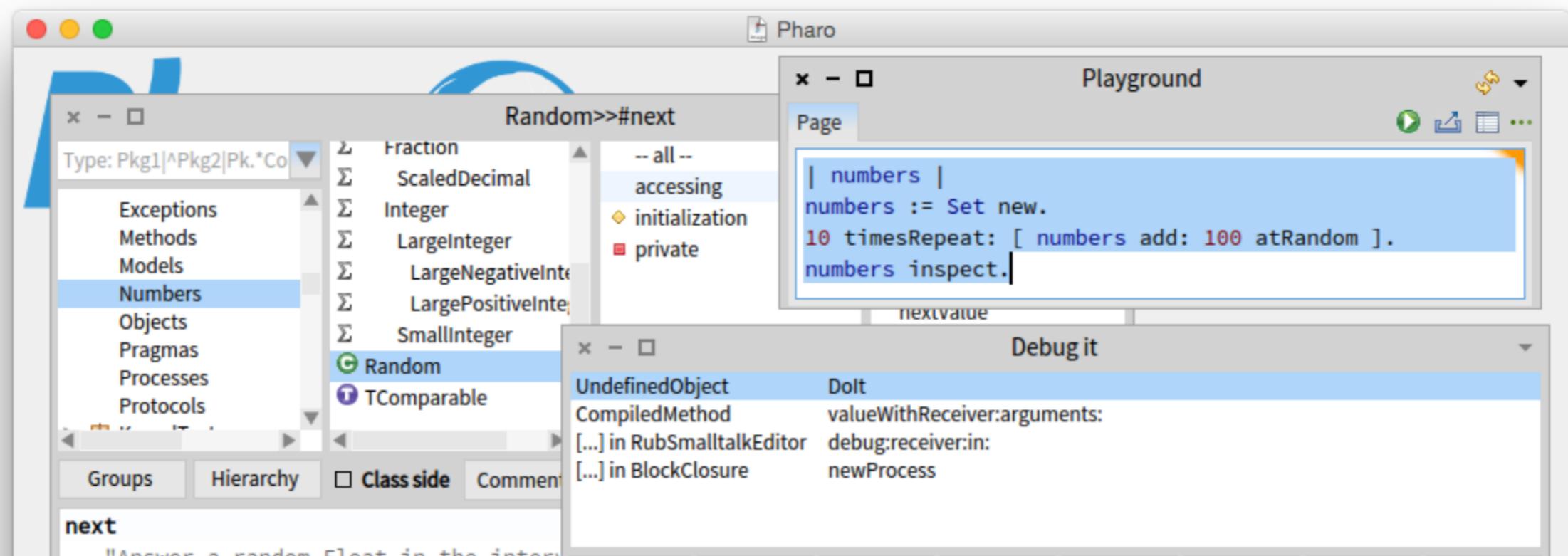
<http://www.pharo.org>





The immersive programming experience

Pharo is a pure object-oriented programming language *and* a powerful environment, focused on simplicity and immediate feedback (think IDE and OS rolled into one).



Pharo!

- Pure object language
- Powerful and living IDE
- MIT & Inspired by Smalltalk
- Powerful, elegant and fun to program
- Highly Productive
- Great community



Elegant!

- Full syntax on a postcard
- Simple but powerful object model

Full Syntax on a Postcard

```
exampleWithNumber: x
```

“A method that illustrates every part of Smalltalk method syntax”

```
<menu>
```

```
| y |
```

```
true & false not & (nil isNil) ifFalse: [self halt].
```

```
y := self size + super size.
```

```
#($a #a ‘a’ 1 1.0)
```

```
do: [ :each | Transcript
```

```
    show: (each class name);
```

```
    show: (each printString);
```

```
    show: ‘ ’].
```

```
^ x < y
```

Object Model

- Dynamically typed
- ****Everything**** is an instance of a class
- All methods are public and virtual
- Attributes are protected
- Single Inheritance

2007

Immersive?



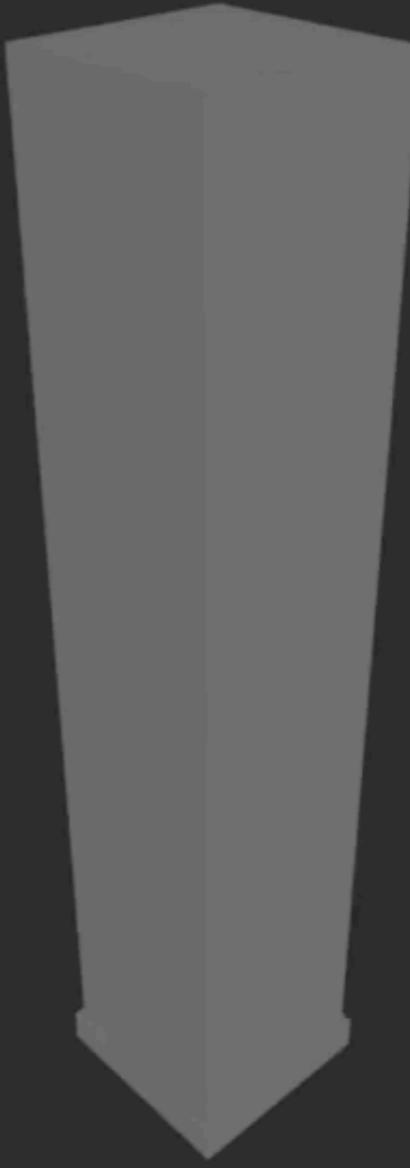
Immersive!

- Deep contact with objects
- Highly interactive programming sessions
- Reflective, inspectable

Workspace

```
| elements lay |  
  
elements := (1 to: 5) collect: [ :ob |  
  (R3CubeShape new) elementOn: ob ].  
    
lay := R3WallLayout new.  
lay on: elements.  
  
UberPresenter present: elements
```

Uber Presenter



```
x - □      Workspace
| elements lay |
elements := (1 to: 5) collect: [ :ob |
(R3CubeShape new) elementOn: ob ].  
□
lay := R3WallLayout new.
lay on: elements.
UberPresenter present: elements
```

Uber Presenter

Any object can be lively updated
3D
Network connection
Dynamic web applications
GPU
Code

Highly
Productive

Soluciones móviles para retail y trade marketing

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pharocloud

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Wind industry solutions

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iBizLog - <http://www.ibizlog.com>

A product by Smallworks

Pinesoft MBagger

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Dedicated Analyses Dedicated tools Decision making

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Some Success Stories

Moose is a platform for software and data analysis.

It is an open source project since 1996. It is especially popular in research groups around the world, and it is increasingly used in industrial projects.

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OBJECT PROFILE

CMSBOX Bearbeiten Hinzufügen Clipboard Aktionen Diese Seite < sofort Publish

Das Content Management mit System

100% Editor

Das cmsbox ist ein Content Management System der nächsten Generation. Die Benutzeroberfläche ist nativ in die Webseite integriert: Alle Teile werden direkt auf die Seite geschrieben!

Neu Seite Artikel Formular Tabelle

SYSTEM WEBSITE Benutzer SUPPORT

Drag & Drop Handelt: Boxen und Elemente frei auf der Seite positionieren. mail@cmsbox.com

Copy / Paste Elemente ausschneiden oder in einem anderen Bereich wieder einfügen auf der Webseite wieder einfügen. Text ändern

Continuous API Testing
keep your services under control 24/7

t3

iBizLog - <http://www.bizlog.com>

Full shop builder developed in 5 months one person

The screenshot shows the homepage of the iBizLog website. At the top, there's a navigation bar with links for Home, Sign Up, How it Works, Features, EXAMPLE, and Support. To the right of the navigation is a "Control Panel" button. The main header features the text "Full shop builder developed in 5 months one person". Below the header is the iBizLog logo, which includes a green stylized figure icon and the text "BETA iBizLog Internet business log". A large "EXAMPLE" button is visible on the right side of the page.

What is iBizLog ?

It is a simple and easy online system you can use to create your own website online in order to promote and sell your products or services. Create your website now! **START NOW !**

Have your WebSite

Create WebSite

Personal Identity and URL
Have your own URL for the website, with tailor-made settings and design.

Communication Tools
An easy and fast way to communicate with your clients and manage your orders.

Multilingual Menu
Your website will have menu and features in different languages to improve the communication with your clients.

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A product by Smallworks



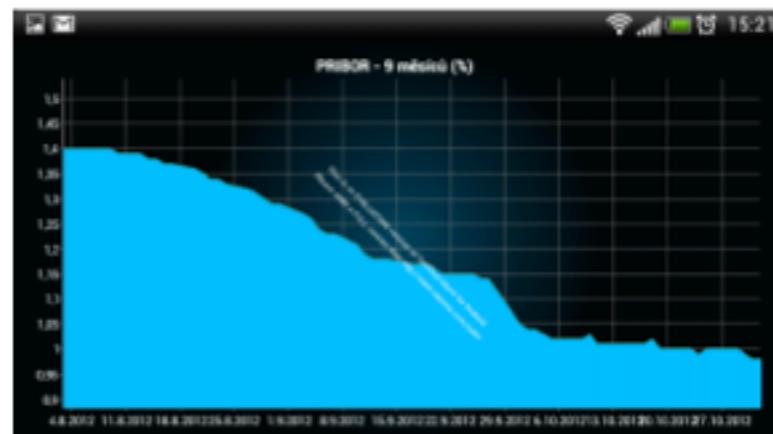
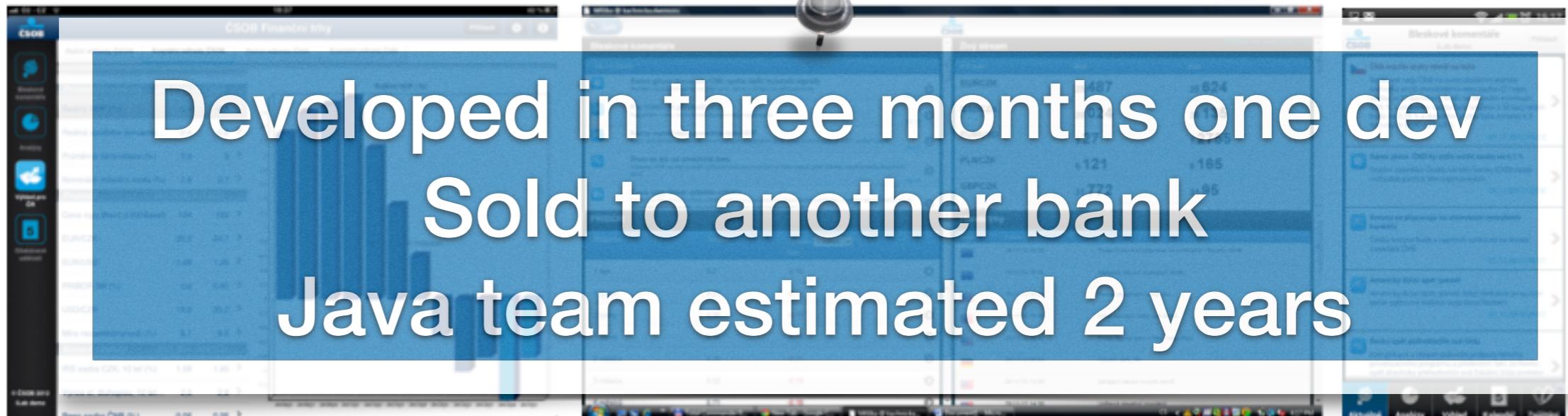
Cable Expertise

The collage illustrates the comprehensive nature of Cable Expertise, showing multiple facets of network management:

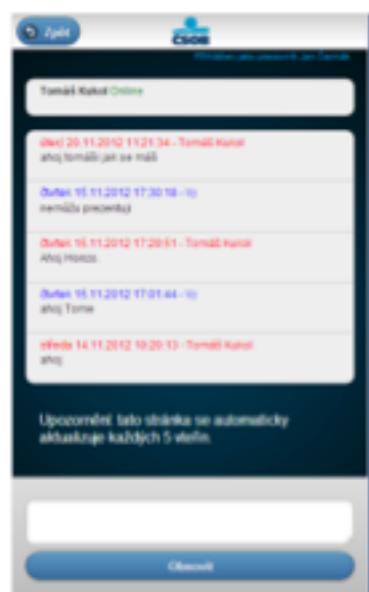
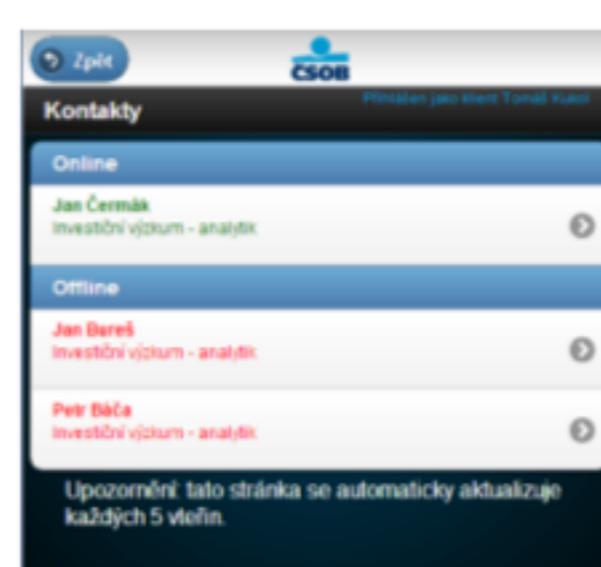
- Dashboard:** A central dashboard provides a quick overview of key metrics. It includes a map showing a specific location, a red circular gauge for 'Utilisation Downlink' at 95% (Capacity: 900 Mbps), a line graph for 'Traffic CMDS vers uplink' over the last 7 days, and four status boxes: CMTS (red, 'CMDS_STRING fail'), Switch (green, 'Tout est en ordre avec SWITCH'), Router (green, 'Tout est en ordre avec ROUTEUR'), and Server (green, 'Tout est en ordre avec SERVEUR').
- Mobile App:** A Samsung smartphone displays the 'EXPERTISE' mobile application interface. It shows a summary card for 'Supervision HFC' stating 'Tout est en ordre avec Supervision Talange' (All is well with Supervision Talange) and a detailed list of supervision points under 'HFC Supervision'.
- Web Interface - Top Left:** A detailed web-based monitoring interface for a CMTS. It features a tree view of equipment components like 'SLOT 0' and 'SLOT 1', and several performance graphs for traffic and reception metrics over time.
- Web Interface - Top Right:** A table showing 'Modems' connected to a specific CMTS. The table includes columns for Alias, ID, Type, Modèle et Firmware, MAC et IP, Traffic Mpo. VOIP, Frame Mpo. (Mbps), No. Réception VO (clients), Bande passante (Mbps), and No. Envoi VO (clients). The data shows various modem models and their connection details.
- Web Interface - Bottom Left:** A detailed view of the 'CMTS' section of the monitoring interface, showing a tree view of 'SLOT 0' and 'SLOT 1' components, and multiple detailed graphs for traffic and reception metrics.
- Web Interface - Bottom Right:** Another table for a different CMTS ('CMTS_01000000'). It lists 'SLOT 0' and 'SLOT 1' components and provides a visual representation of the equipment's front panel with colored indicators for each port.



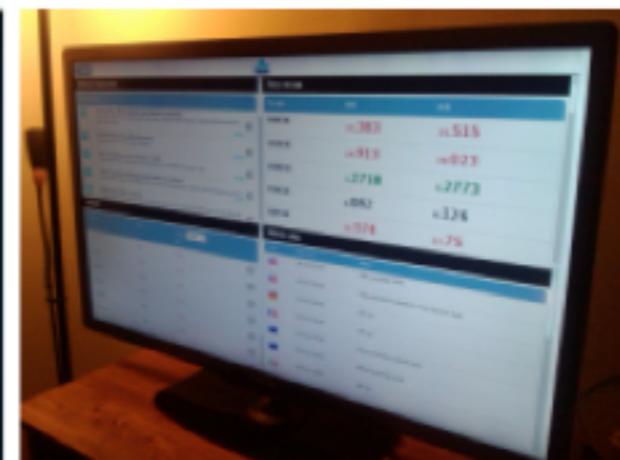
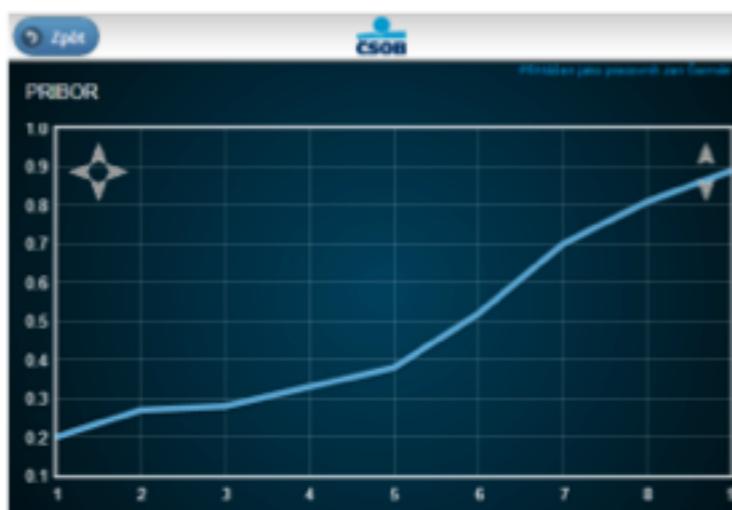
Developed in three months one dev
Sold to another bank
Java team estimated 2 years



FX páry proti EUR			
Měnový pář	Nákup	Prodej	Současná hodnota
EUR/USD	1,0804	1,0805	(76)
EUR/CAD	1,3800	1,3801	(76)
EUR/CHF	1,2084	1,2087	(76)
EUR/CZK	25,1400	25,2700	(76)
EUR/DKK	7,4445	7,4550	(76)
EUR/GBP	0,8014	0,8086	(76)
EUR/HUF	350,0000	350,0000	(76)
EUR/JPY	105,7900	104,2500	(76)
EUR/HKD	7,5481	7,5886	(76)
EUR/PLN	4,0711	4,1000	(76)
EUR/RON	4,5229	4,5467	(76)
EUR/RUB	60,0000	60,0000	(76)
EUR/SEK	9,6071	9,6487	(76)



Fix par	Buy	Sell
EURCZK	25.407	25.539
USDCZK	19.746	19.856
EURUSD	1.2836	1.2893
PLNCZK	6.168	6.212
GBPCZK	31.494	31.67
HUF CZK	0.09075	0.09141
CZHCZK	21.082	21.206
AUDCZK	20.471	20.593
AUDUSD	1.0323	1.0415
CADCZK	19.816	19.926
DKKCZK	3.407	3.424
EURAUD	1.2325	1.249



Gorgeous web stack

Gorgeous Web Stack

- Seaside (component, Javascript, REST)
- Zinc (HTTP, HTTPS, REST)
- Magritte Metamodelling (no form)
- Protocols/Encoding: Oauth, JSON, STON, ...
- Database: noSql, mongoDB, riak, relational databases

The logo for Seaside, featuring the word "seaside" in a stylized blue font with a white outline. A small orange star is positioned at the end of the "e".

Changing programmers
experience

Full system accessible

Unique tools

Spotter > /folder4test

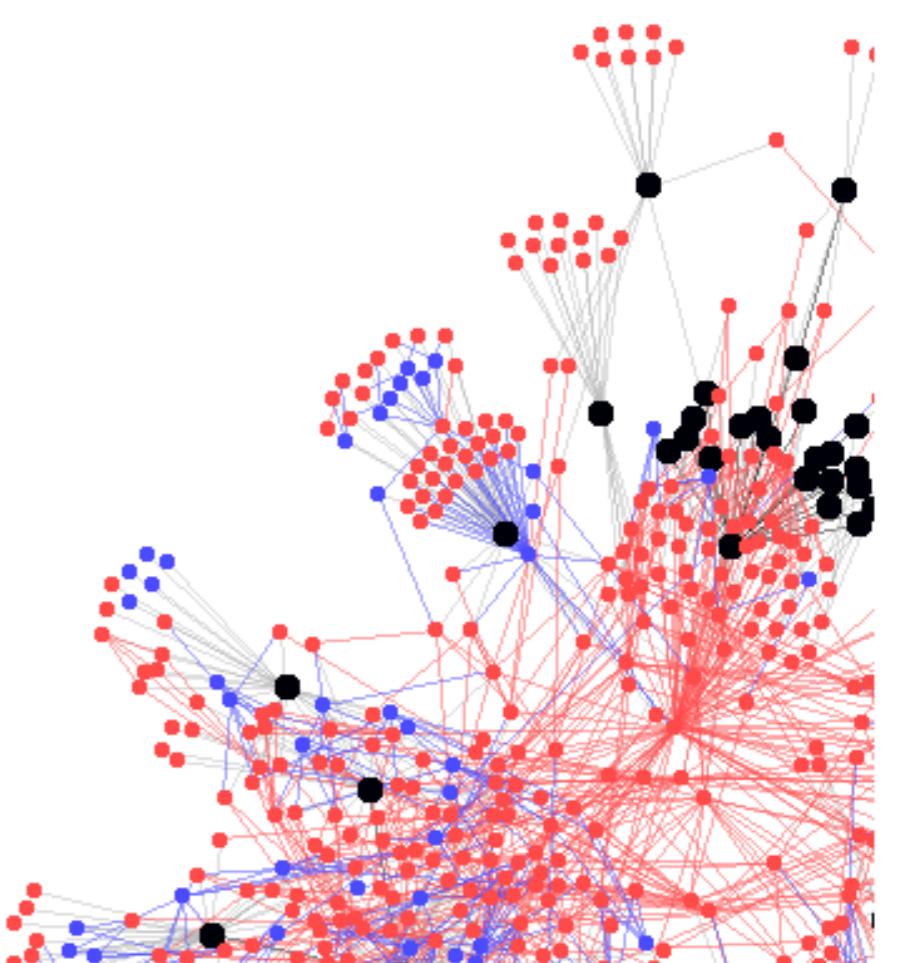
Search

Directories 3/3

- demo-scripts
- folder
- others

Files 9/9 →

- .DS_Store
- a-script.st
- a-zip.zip
- system-attraction-no.png
- system-attraction-NotationProvider-1-provider.png
- system-attraction-NotationProvider-highlight.png
- system-attraction-single-NotationProvider.png



scripting & querying live objects

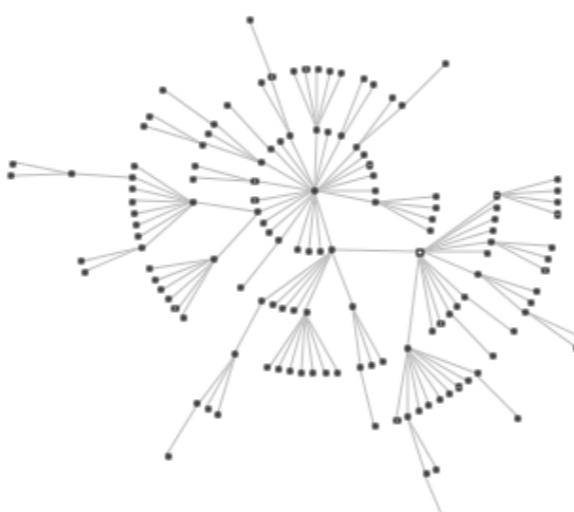
Inspector on a Collection class (Collection)

a Collection class (Collection)

State Methods

Variable	Value
_self	Collection
category	#'Collections-Abst
classPool	a Dictionary(#Mutu
environment	a SystemDictionary
format	2
instanceVariables	nil
layout	a FixedLayout
localSelectors	nil

```
| view |
view := ROMondrianViewBuilder new.
self
    withDeep: #subclasses
    do: [ :each | view node: each ]
    relationDo: [ :from :to | view
edge: from->to from: from to: to ].
view radialTreeLayout.
view
```



Inspector on a StandardWindow (a St...20))

a StandardWindow (a St...20))

State Submorphs Morph Methods

- ▼ a StandardWindow(689438720)
 - ▶ a WindowEdgeGripMorph(456130560)
 - ▶ a WindowEdgeGripMorph(287834112)
 - ▶ a WindowEdgeGripMorph(130547712)
 - ▶ a WindowEdgeGripMorph(1045430272)
 - ▶ a BottomRightGripMorph(843317248)
 - ▶ a BottomLeftGripMorph(701759488)
 - ▶ a TopRightGripMorph(556531712)
 - ▶ a TopLeftGripMorph(380895232)
 - ▶ a PanelMorph(71565312)
 - ▼ a MorphTreeMorph(3407872)
 - ▶ a ScrollBar(44826624)
 - ▶ a MorphTreeResizerMorph(343670784)
 - ▶ a Morph(838598656)
 - ▶ a MorphTreeTransformMorph(828899328)
 - ▶ a PluggableTextMorph(577241088)
 - ▶ a PluggableTextMorph(553648128)
 - ▶ an AlignmentMorph(118489088)

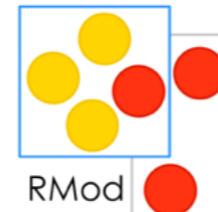
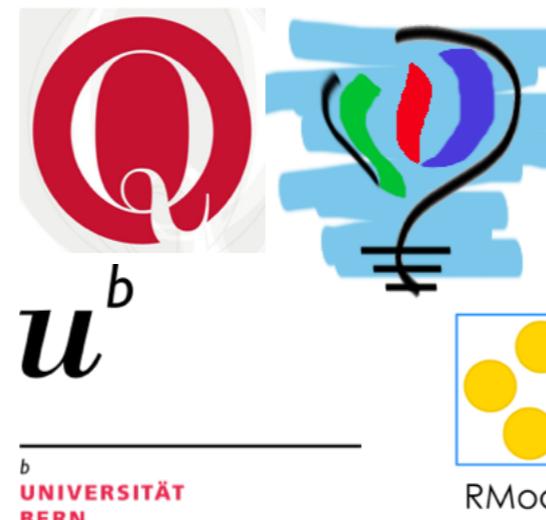
a MorphTreeMorph (a Mo...72))

State Submorphs Morph Methods

- ▶ Appearance
- ▶ Code browsing
- ▶ Compiler
- ▶ Debugging
- ▶ Dialog Window
- ▶ Finder
- ▶ Glamorous Inspector
- ▶ Headless mode
- ▶ Monticello
- ▶ Moose
- ▶ Nautilus
- ▶ Network
- ▶ Refactoring Engine



THALES



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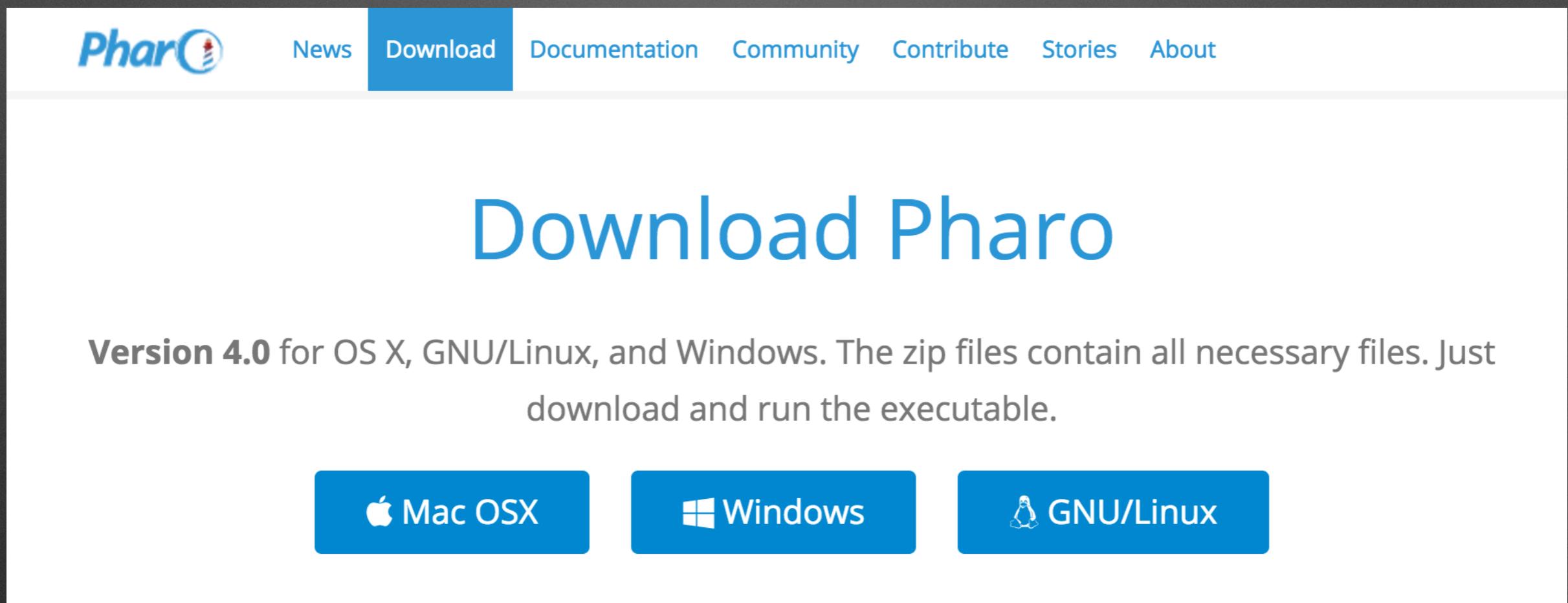


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Try Pharo NOW!

<http://pharo.org/download>



The screenshot shows the Pharo website's download page. At the top, there is a navigation bar with links for News, Download, Documentation, Community, Contribute, Stories, and About. The 'Download' link is highlighted with a blue background. Below the navigation bar, the page title 'Download Pharo' is displayed in large blue text. A descriptive paragraph below the title states: 'Version 4.0 for OS X, GNU/Linux, and Windows. The zip files contain all necessary files. Just download and run the executable.' Three blue buttons at the bottom provide links to download Pharo for Mac OSX, Windows, and GNU/Linux.

Pharo

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