Pharo: Live objects for complex projects

http://stephane.ducasse.free.fr http://www.pharo.org





A word of presentation

Expert in language design

Traits in Php7.0, Perl60 Influenced Traits in Scala

Expert in maintenance

Program analysis, Metamodels, visualization, testing, refactorings, metrics....





(nría_



- Building *specific* analysis tools for important running business software (Ada, Cobol, 4D, C, C++, Java...)
- **Dedicated** tools to support decision making process

A startup... is like a compass

MS





Phanet De la contraction de la

• System: Pure object language + full IDE Powerful, elegant and fun to program Great community / industrial consortium Living system under your fingers • Works on Mac OSX, Linux, iOS, Android, Windows, Pi - 100% MIT

Full syntax on a postcard Simple and powerful objet model



Full Syntax!

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

Leuchttürme







Yes the full Syntax!

Full Syntax!

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

Leuchttürme





Full Model!

* Dynamically typed * All methods are public virtual * All attributes are protected * Single inheritance + Traits * Closures everywhere

Lementinting of

* Everything is an object instance of a class 2712.00-12

* HÖRNUM*



Focus on intrinsic complexity

Eliminate accidental complexity

Everything is written in Pharo One simple syntax to rule them all

Fully Written in Itself



<section-header>

Pharo is highly immersive

Most languages do not expose much

Looking inside

* Pharo is not a blackbox * Pharo is fully inspectable and reflective * You can get immersed in

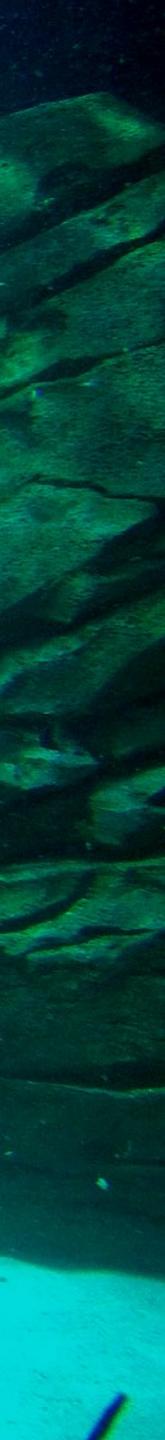
ionrawlinson.com

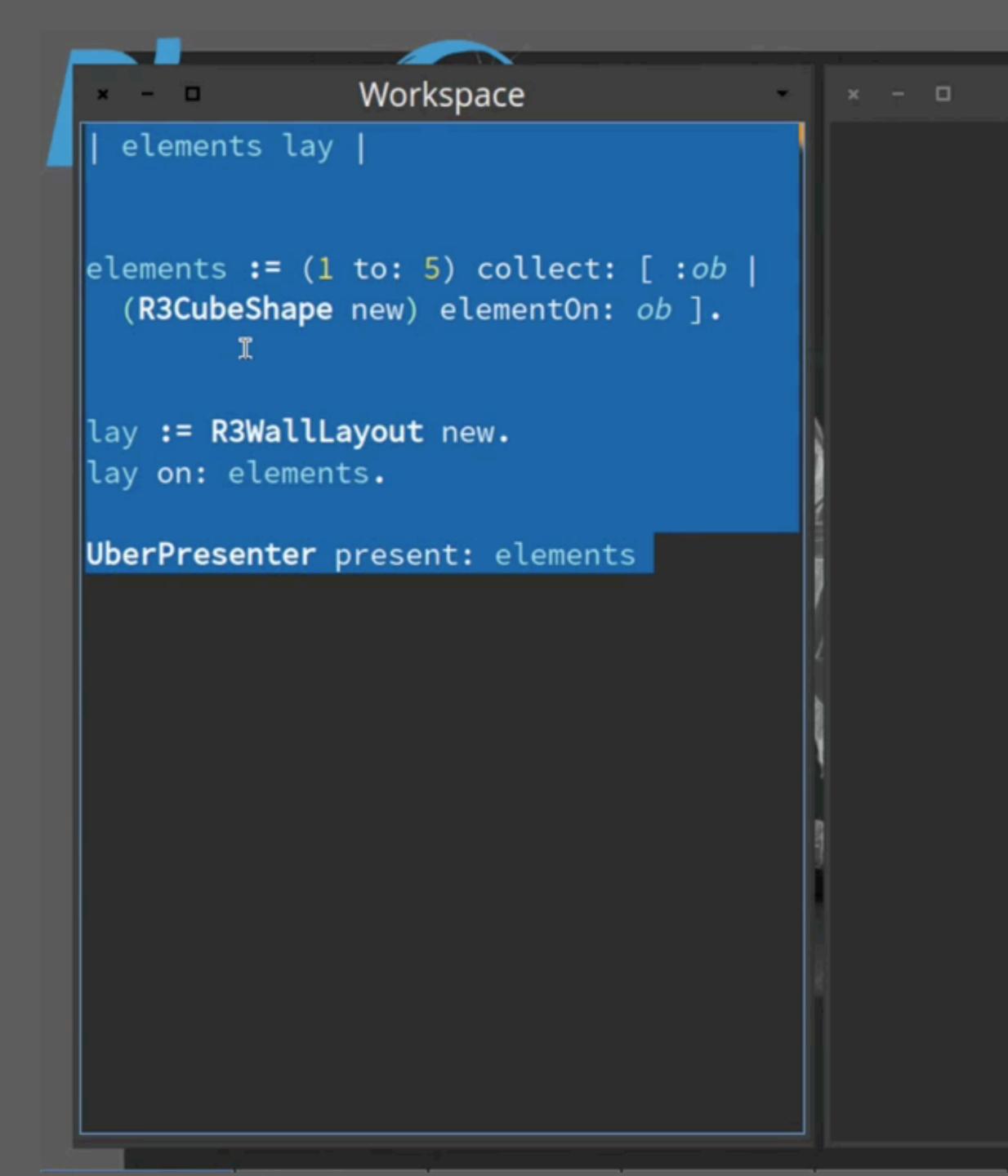




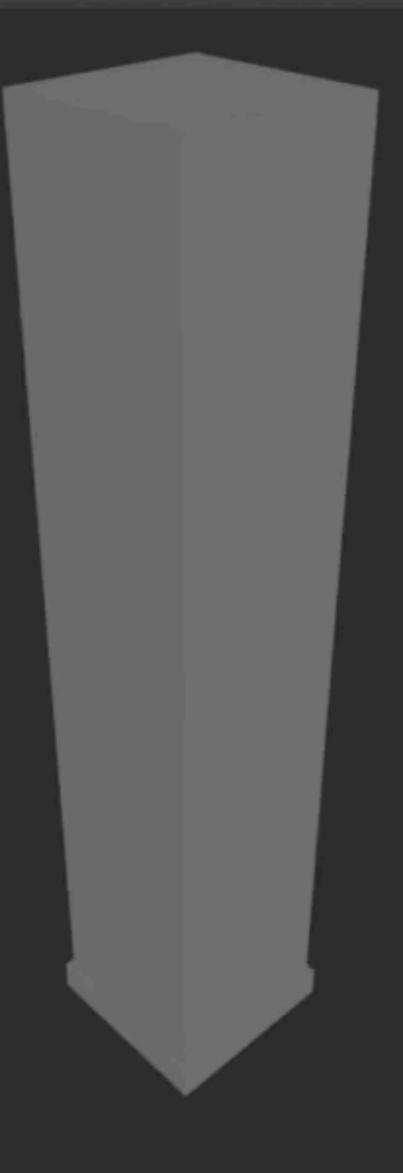
Immersed and interacting

* You interact with objects # You modify objects life





Uber Presenter



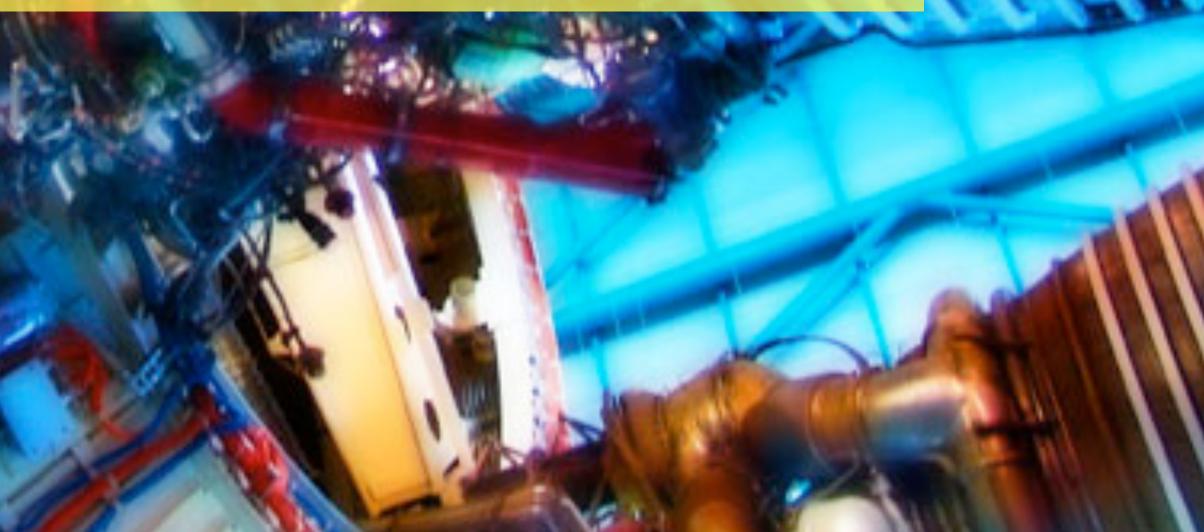




We can do the same with web app, sockets, networks, sensors, living programing....



A powerful engine to invent (y)our future

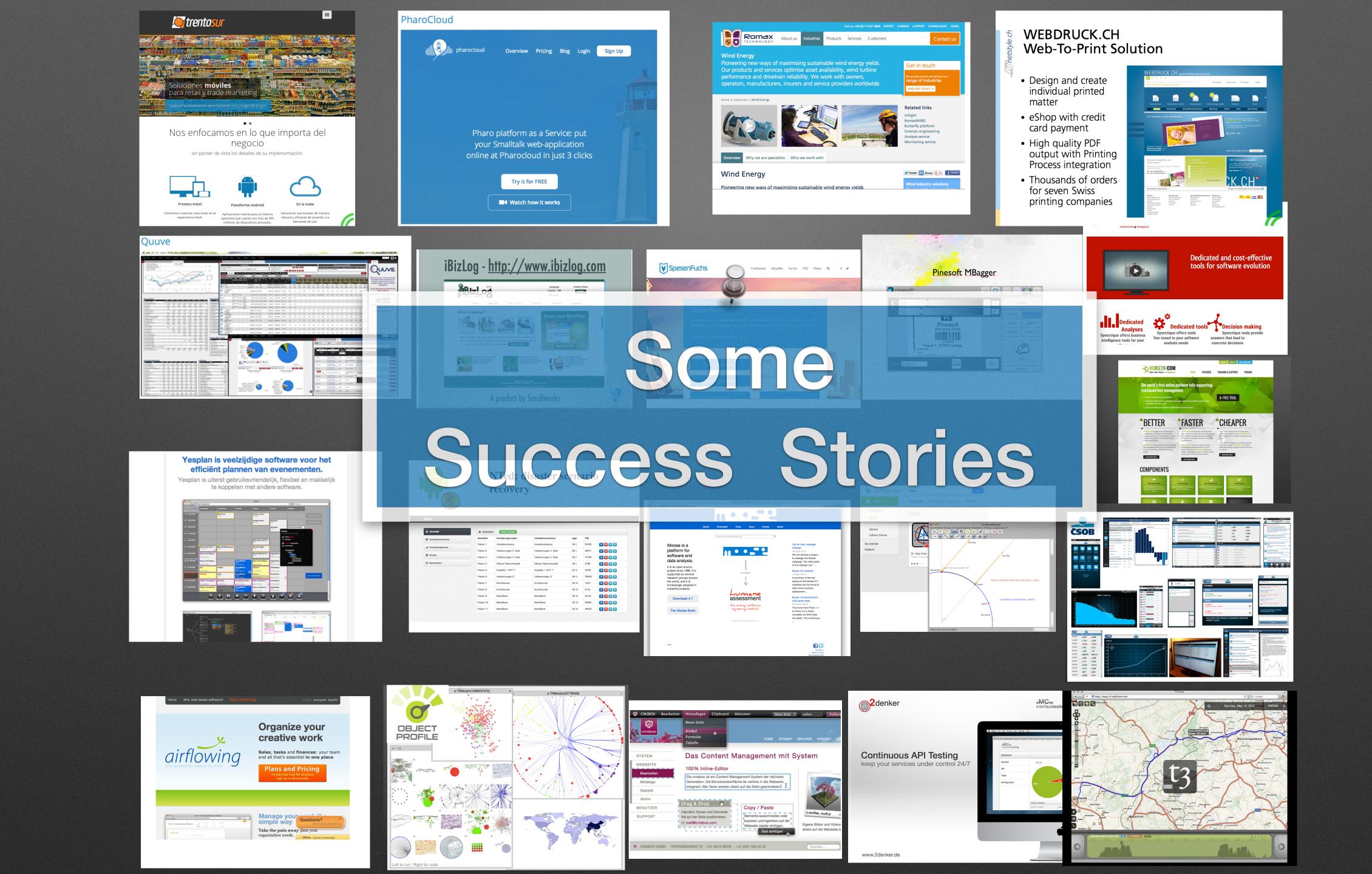




An ecosystem where innovation/business bloom



... that **you** can make money with Pharo. ... to be able to invent solutions to existing problems. ... a powerful innovative dynamic language where we can build (y)our future.



Back-End Wafer-Level Packaging

Your mobile hardware as a highchance to have been produced by a robot controlled via a smalltalk



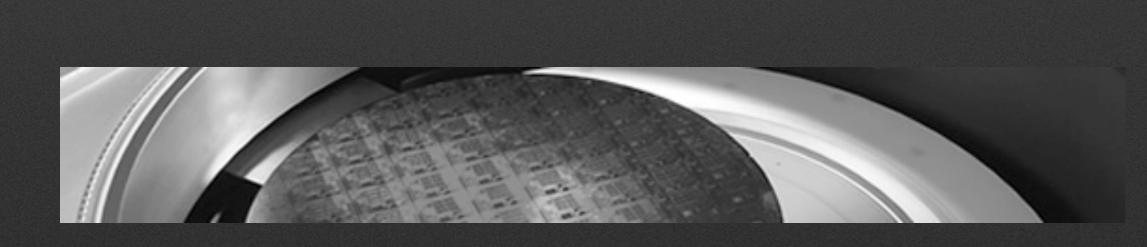
50% microprocessors of your mobile/PC/tablet





LANRC **Back-End Wafer-Level Packaging**

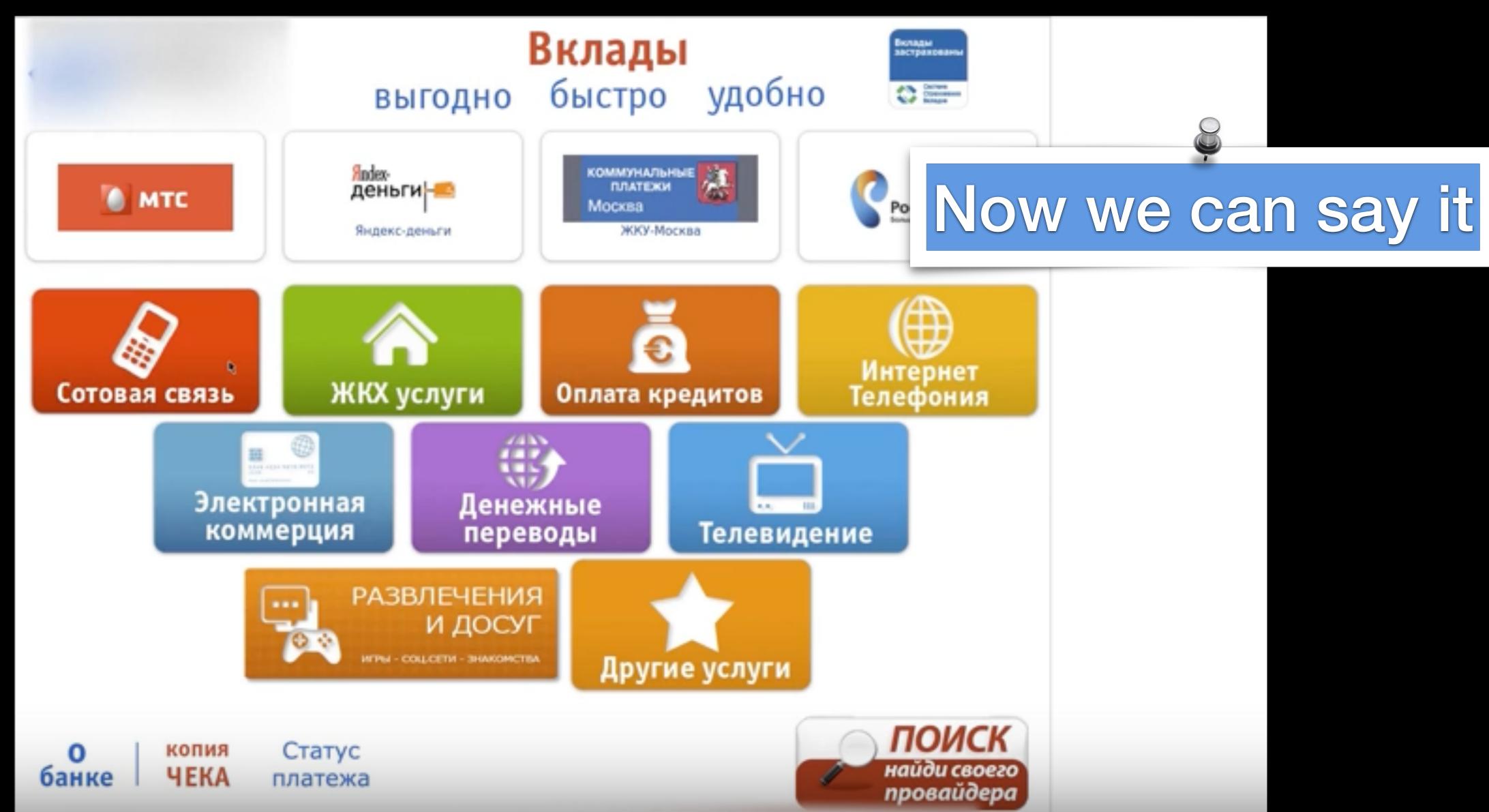
Your mobile hardware as a highchance to have been by a robot controlled smalltalk



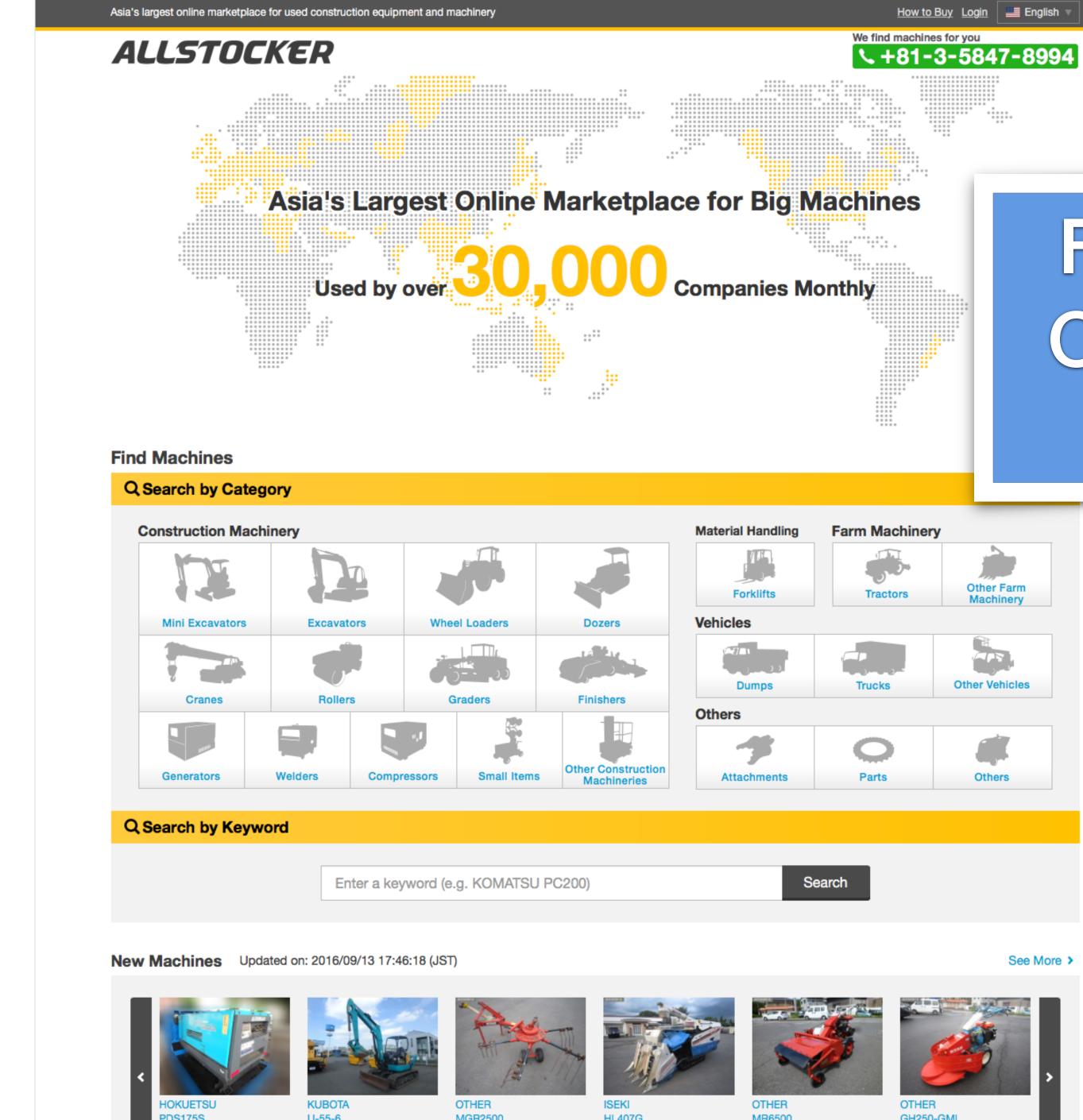
Started to experiment with Pharo



Pharo in ATM like Device in Moscow



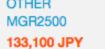




HL407G 198,000 JPY

PDS175S 400,000 JPY

U-55-6 3,500,000 JPY

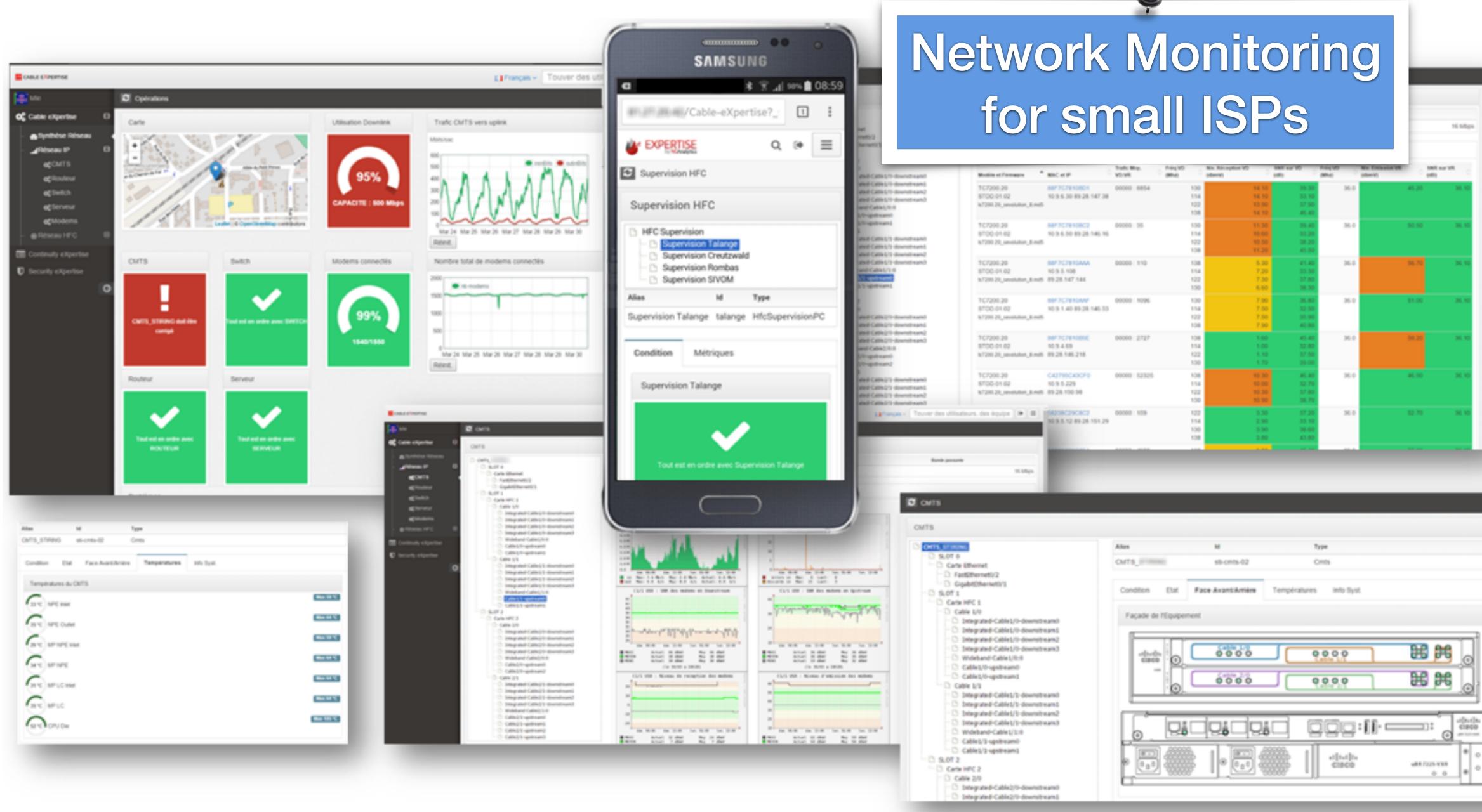


Full Stack in Pharo Online marketplace raised 4.7 M\$

MR6500 143,000 JPY

GH250-GML 165,000 JPY











Overview

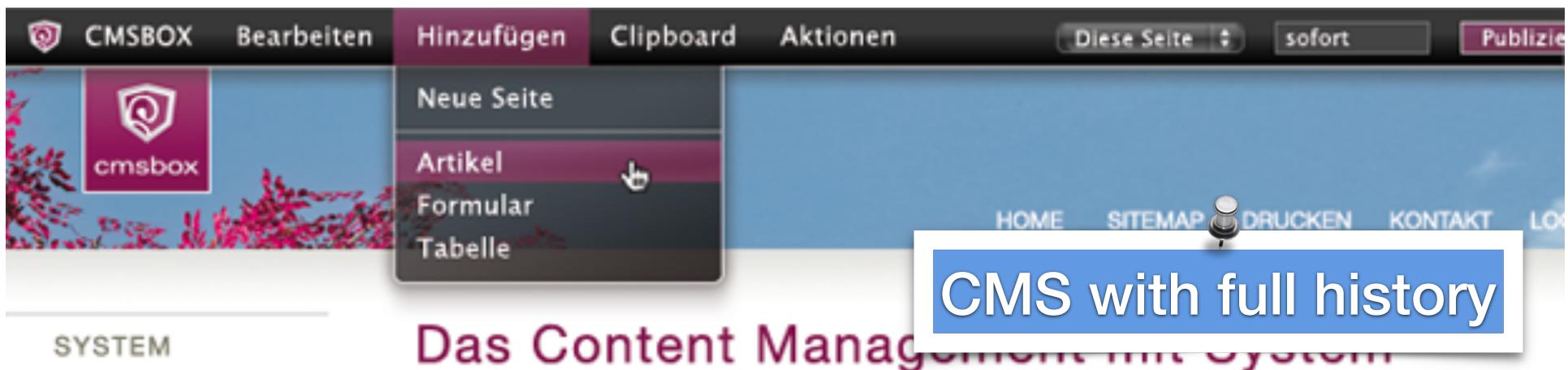
Try it for FREE



Pharo platform as a Service: put your Smalltalk web-application online at Pharocloud in just a couple clicks

Watch how it works

Deploy Pharo on the cloud in 3 min



0



100% Inline-Editor

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

Drag & Drop – – 🖑

- Handlich: Boxen und Elemente
- frei auf der Seite positionieren.
- mail@cmsbox.com

CMSBOX GMBH · TERRASSENWEG 18 · CH-3012 BERN · +41 (0)31 356 42 52





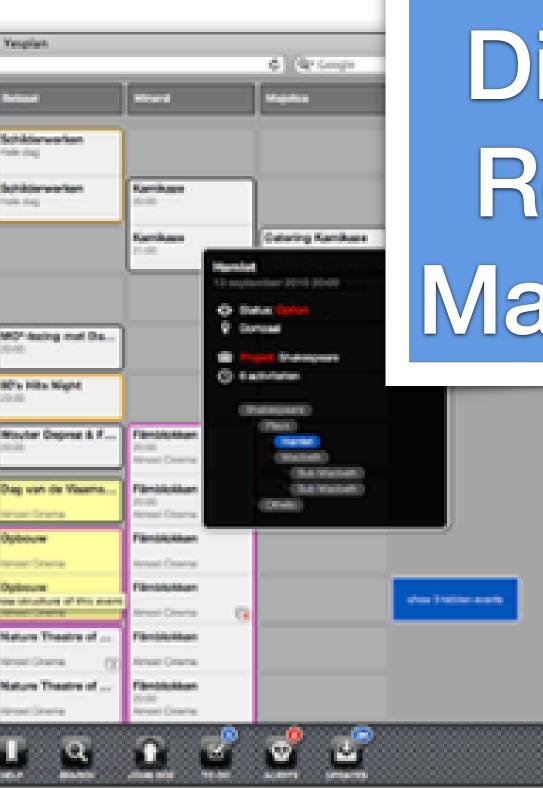
Eigene Bilder und Videos direkt auf die Webseite Ia

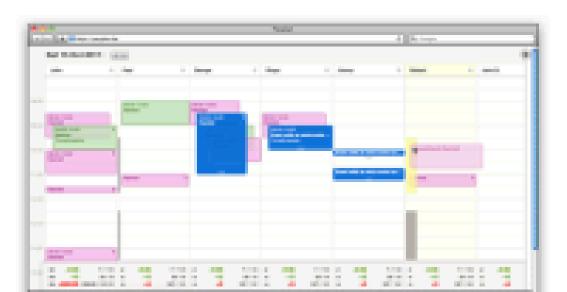
Yesplan is veelzijdige software voor het efficiënt plannen van evenementen.

Yesplan is uiterst gebruiksvriendelijk, flexibel en makkelijk te koppelen met andere software.

***	a i templatibe			
	Pestrust	Concertanel	bernet .	E
ma 1+0+200 S	, ,	Caprimosa		1
a 1545-888				
** 1545.000				
a. 17-08-0008				
w 10-00-0000				ſ
- 19-09-0009	Geboursed Good	And Bull Datorspecie		ľ
	Dag van de Vaame			ſ
na (1-05-000 🤒	Dag van de Vaame		Tourget front	F
	Doe troop Crane	Pulles	Tourgetteet	ſ
-	Pagatita		Tourgettent 0	
a. (+-)+-)000	Brigers Unebayashi Amost Grame	Recepte Annal (neme	Rudining Double	
w 21-(n-2009	Brigers Unebayashi Innat Crane	-	Tourget feart	
			a 🔤	2







Distributed Resources Management

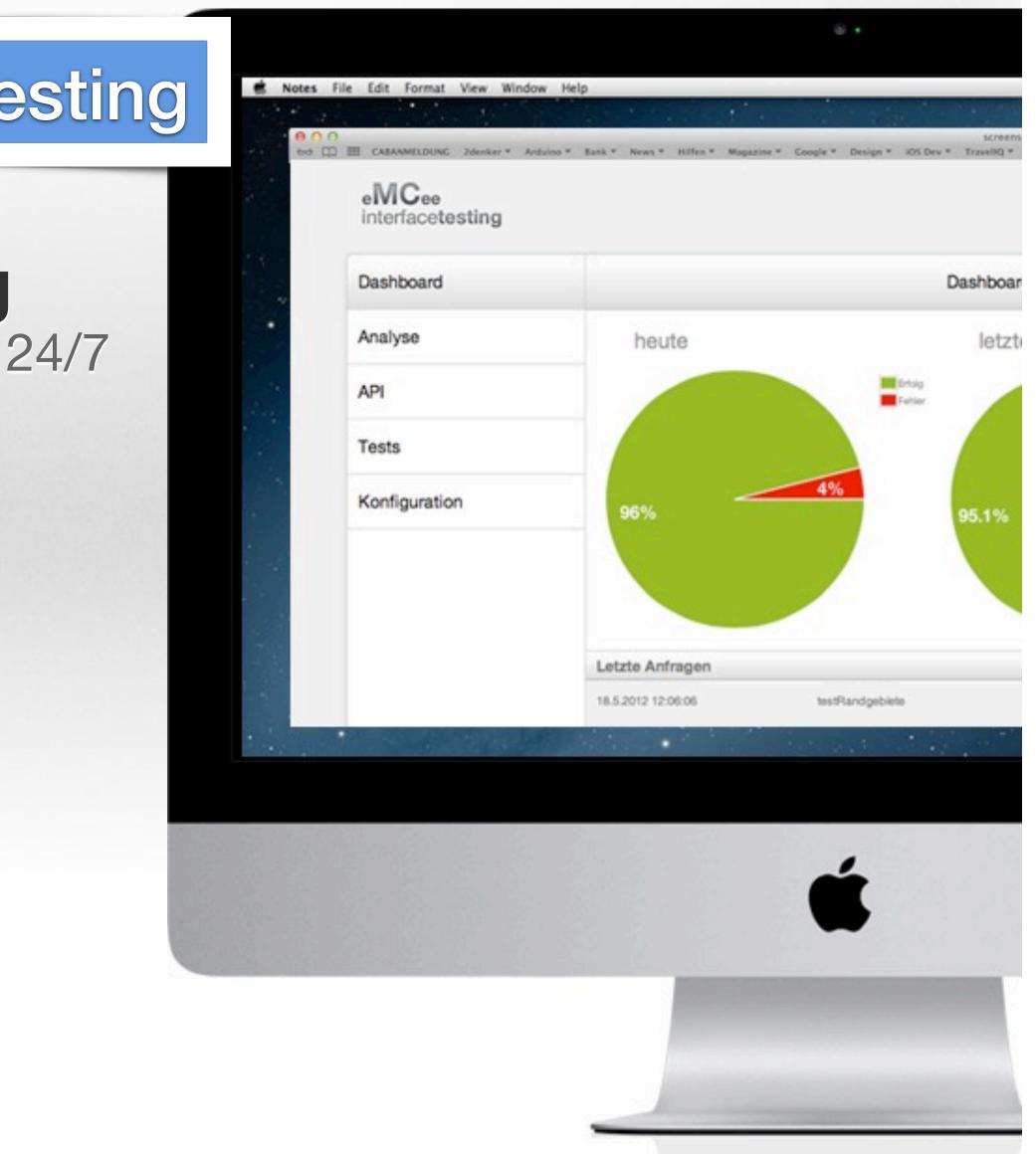




Continuous API Testing keep your services under control 24/7

www.2denker.de

eMCee interfacetesting







netstyle.ch

WEBDRUCK.CH Web-To-Print Solution

- Design and create individual printed matter
- eShop with credit card payment
- High quality PDF output with Printing Process integration
- Thousands of orders for seven Swiss printing companies



- Geburtsanzeigen cefalzt. Postkarten Karten Karten gefalzt Visitenkarten
- Tischsets Poster
- Blocks Mappen
- Poster Tischsets Monatskalender

Debris Publishing Web Inter



Base Valuations

Year	2008	2009	2010	2011	2012	2013	2014	2014
Period End Date	06/30/2008	06/30/2009	06/30/2010	06/30/2011	06/30/2012	06/30/2013	06/30/2014	09/30/2014
Period Duration (Years)	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.25
Price High	35,96	31.50	31.58	29.46	32.95	38.98	50.05	
Price Low	17.50	14.87	22.73	23.65	26.26	26,28	34.63	
Price /sh	47.2	-						
Excess Cash /sh	2,41	3.38	4.03	6.05	7.33	8.98	10.09	10.53
Revenue Growth %		-3.28	6.93	11.94	5.40	5.60	11.54	5.38
Gross Margin %	80.80	79.20	80.16	77.73	76.22	73.99	68.98	67.11
Leverage	2.01	1.97	1.86	1.90	1.83	1.80	1.92	1.88
Common Shares Outstanding	9328.00	8945.00	8813.00	8490.00	8396.00	8375.00	8299.00	8249.00
GAAP Dil, Cont. EPS VNG	18.70	16.20	21.00	26.90	20.00	25.80	26.30	25.50
GAAP EPS VNG	19.00	16.30	21.30	27.30	20.20	26.10	26.60	25.80
GAAP EPS V3G	27.14	23.29	30.43	39.00	28.86	37.29	38.00	36.86
2 X GAAP EPS V3G	54.29	46.57	60.86	78.00	57.71	74.57	76.00	73.71
EPS VNG	18.95	16.29	21,29	27.27	20.22	26.11	26.60	25.91
EPS avg5 VNG					20,80	22,23	24.30	25.22
EBIT /sh VNG	25.53	22.16	28.38	33.06	26.52	32,30	33.52	33.10
bm EPS VNG		10.52	13.37	21.24	19.81	24.42	25.13	12.62
bm EPS V3G		15.03	19.10	30.34	28.29	34.89	35. 8 9	18.03
tom EPS VNG		9.67	13,94	20.92	15.70	23.04	13.64	12.83
m EPS avg3 V3G				21.49	25.91	31.17	33.02	29.60
2 X bm EPS avg3 V3G				42.99	51.83	62.35	66.05	59.21
bm EPS avg5 VNG						17.87	20.79	20.64
bm EPS avg5 V3G						25.53	29.70	29.49
Fair Price bm ROE3				21.55	26.34	31.90	31.46	25.62
Fair Price bm ROE5						29.59	34.38	31.39
Fair Price bm ROE7								31.32
Fair Price tom ROE5						31.70	30,34	26.10
Fair Price via NetMargin7 with 3% Growth							41.39	42.55
F9 Trend Score V1	(3/3)	(6/7)	(8/9)	(7/9)	(5/9)	(7/9)	(4/9)	(6/9)
Financial Strength Score V2	(14/19)	(19/24)	(26/29)	(27/30)	(26/30)	(27/30)	(27/30)	(27/30)

1.63 2.13 2.73 2.02 2.61 2.66 2.59

1.88 2.16 2.29 2.45 2.43 2.62

-		Clients: ACL001																					- 1
Portfolk All Clier	o - Subscribers hts		Portfolio Brow:	ns selecti + C	0	•	View Config: Use Event Da View Date 2	ate 闭	20		py Manage						Balance Quuve Total V: 17,938,986.95	summary as o lue Custod			Custodiar	ı Total Valı	lue
Overvie Tree View		ns Prices	A REAL	ents Spec		and the second second	cal Verifica	ation Balance	No. of Concession, Name	Subtotal:	Industry	 Update V 	New									Actio	ona -
	Subtotal Name	Asset Tic Description Syr			Pald/sh sh	Price / sh Co			% H	oldings 9 Ho	% of Notes N	res Holding ouy	Net s shares to buy	% of foldings site	Net 9 hares Ho o buy	L005: BCL0 6 of Ne Idings sha to b	t % of es Holdings uy	Net 9 shares Ho to buy	Kof M Idlings sh to	ares Hol buy	6 of N dings sha to	let % ares Hold buy	6 of dings s t
O show	Total / n/a			11,109,129.10	1.36 1.084 1.08			36.95 2,849,604.87 03.60 1,196,809.22		100.0 73.2		0.00 100.	-	37.3	0.00		0.00 100.0 0.00 100.0	0.00	100.0		100.0		100.0
00	/ Catalog & Mail Order			1 505 00	42 220 442 04	045	E74 0 E02 00	DE 4E 247 490 P3	161.0	21	2.1	0.00 1)	0.00	0.0		0.00	2.0	0.02	0.0	0.00	20
•	Houses	Amazon.com AM	N										-										
8		Amazon.com	C		00											- D -				Л			
		Inc. Amazon.com Amazon.com		A		re		\mathbf{O}		S	8			8		11	\mathbf{O}	\mathbf{n}	8				3
Sell Edit Sell Edit		Inc. Amazon.com AMU Inc. Amazon.com AMU Inc. Amazon.com AMU	C	A		re	ep	0		S	8			8		JT	0		8	JI			a
Sell Edit Sell Edit Sell Edit	/ Personal	Inc. AMA Amazon.com AMA Inc. Amazon.com AMA	C	A		re	p	0									_	m	8	JI			a
	/ Personal Products / Money	Inc. Amazon.com AMU Inc. Amazon.com AMU Inc. Amazon.com AMU	C	A		re	p 9	0									_	m	8]]			a
Sell Edit Sell Edit Sell Edit X 0 X 0 X 0	Products / Money Center Banks / Beverages -	Inc. Amazon.com AMU Inc. Amazon.com AMU Inc. Amazon.com AMU	C	A		re	p 9	0									_	m	8	JI			a
Sell Edit Sell Edit Sell Edit X 0 X 0 X 0 X 0 X 0 X 0	Products / Money Center Banks / Beverages - Soft Drinks / Auto Manufacturers -	Inc. AM2 Amazon.com AM2 Amazon.com AM2 Inc. AM2 Inc. AM2 Inc. AM2 Inc. AM2	C	A		re	p)										_	m	8][[a
Seil Edit Seil Edit Seil Edit Sol Edit X 0 X 0 X 0 X 0 X 0	Products / Money Center Banks / Beverages - Soft Drinks / Auto	Inc. AM2 Amazon.com AM2 Amazon.com AM2 Inc. AM2 Inc. AM2 Inc. AM2 Inc. AM2	C		61.250 61.26		520.0 208,40		Q		91		er			9	_	0.00	0.0	0.00	0.0	0.00	0.0
eell Edit eell Edit eell Edit x o x o x o x o x o x o x o x o x o x o	Products / Money Center Banks / Beverages - Soft Drinks / Auto Manufacturers - Major / Oil & Gas Refining &	Inc. AM2 Amazon.com AM2 Amazon.com AM2 Inc. AM2 Inc. AM2 Inc. AM2 Inc. AM2	C	2,000.00		122		00.00 85,880.02	70.1)(0.00 0.	er	S		0.0	0	0.00					

Clients: ACL001 X

MRK (1.3) AXP (1.4) F (1.7) KO (1.7) ADBE (2.1) PG (2.6)

> JNJ (3.1) AMZN (3.1)

> > DIS (3.8)

E	Year E-Yield %
	Div. Yield %
	LCF Yield %
	LCF Avg2 Price-Low Yield %
i	NCF Yield %
	SFCF Yield %
	Non-Common Equity Capital Yield %
	Common Equity Price-Low Yield %
	Common Equity Price-High Yield %
	Common Equity Yield %

PER SHARE MEASURES

Year	2008
Total Assets /sh	7.80
Tang. Assets /sh	6.29
Tang. Op. Assets /sh	3.89
Non-Common Equity Capital /sh	0.71
CPC /sh	3.91
CLTPC /sh	0.71
Excess Cash /sh	2.41
Net-Net /sh	0.72
Book /sh	3.89
Tang. Book /sh	2.38
Revs. /sh	6.48
Operating Income /sh	2.39
LCF /sh	2.12
NCF /sh	1.83
SFCF /sh	1.98
GAAP Dil. Cont. EPS	1.87
GAAP EPS	1.90
Revs.	60420.00
EPS	1.90
EPS avg3	

Quuve: Investment Portfolio http://debrispublishing.com

10.33

6.68

LEVERAGE

Fixed Assets Margin %

Accts. Payable Margin %

	Wed 6:15 PM	Cameron S
--	-------------	-----------

Debris Publishing Web Interface

0

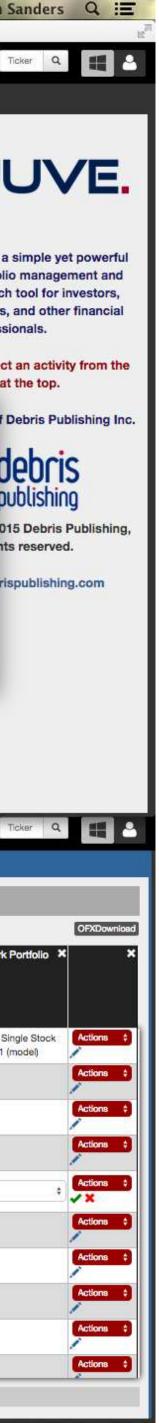
Staples (5.7) Consumer (7.0) -(61.2)

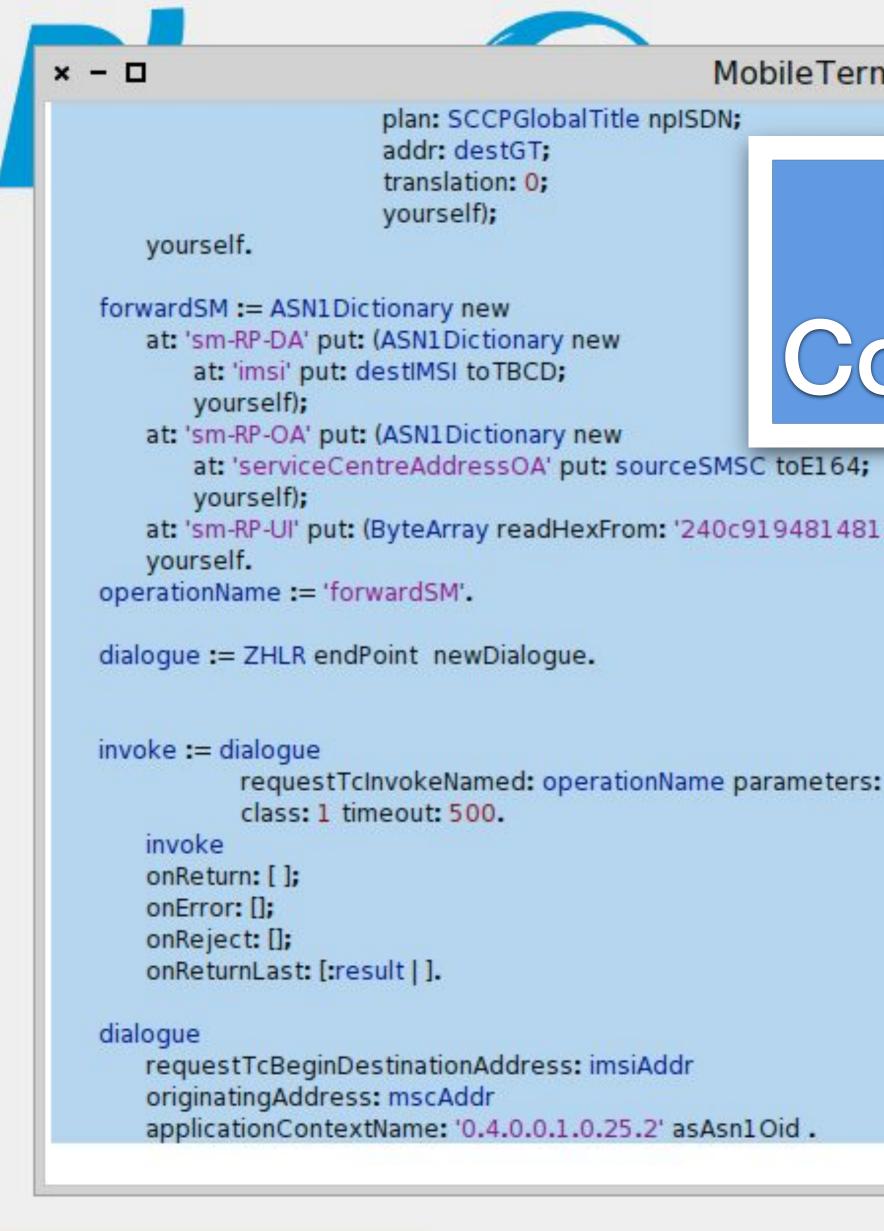
AMZN (\$563,005

DIS (\$685,504)

8	Clients Overvie 🗙 F	Portfolio: none 🗙 Client	s ×			
1	Adw: Default 🔹	∕V:20 - S	elect • C	Apply to Many	û +	
S	I Client Name X	Advisor X	ls X Employee	Account Owners	< Accounts X	Benchmark Portfo
	Invert	Invert O C	Portfolio (all) ‡	08	Invert	
Ð	ACL001	Founding Fathers Investment Advisors, Inc.	false	AO-002, AO-001	CL001 ET0002, CL001 ET0001, CL001 ET0003	CS - Demo - Single S Trade Model1 (mode
5	ACL002	Founding Fathers Investment Advisors, Inc.	false	AO-003, AO-004, AO- 001	CL002 ET0001, CL002 ET0002, CL002 ET0003, CL001 ET0001, CL001 ET0003	
9	ACL003	Founding Fathers Investment Advisors, Inc.	false	AO-005, AO-006	ET xxxx-0010 IRA Traditional, CL003 ET0011, CL003 ET0012	
	ACL023	Founding Fathers Investment Advisors, Inc.	false	AO-037, AO-038		
9	Fak B(Key ‡	Founding Fathers Inve: \$	e	2 items sele + @	3 items selected + CO If	
5	BCL006	Founding Fathers Investment Advisors, Inc.	false	AO-011, AO-010	ET XXXX-0002	
9	BCL007	Founding Fathers Investment Advisors, Inc.	false	AO-012	ET xxxx-0003 IRA Traditional 🗸	
j:	BCL026	Founding Fathers Investment Advisors, Inc.	false	AO-042, AO-041	ET xxxx-0004 IRA Traditional 🗸	
9	BCL027	Founding Fathers Investment Advisors, Inc.	false	AO-043		
j:	CL099	Founding Fathers	false	CL099	CL099 ET0123	

Total: 10 Total in page: 10 Satisfying filters and selection: 10 Currently selected: 0 Selected and Filtered: 0





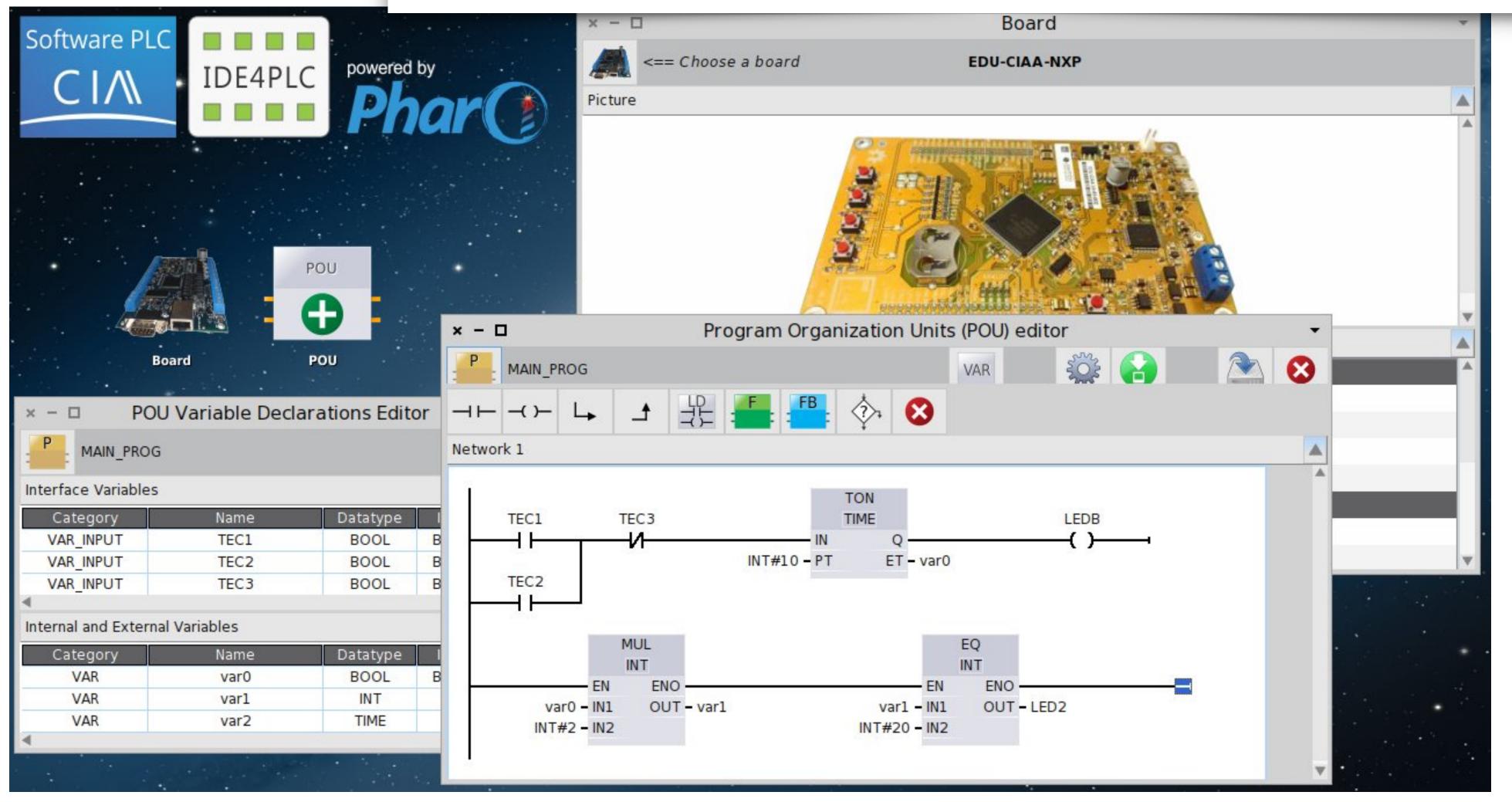
MobileTerminated ForwardSM

Free Software Mobile Communication solutions

Do it

No.	Time	Source	Destination	Protocol Lens	att info	opression : +
	1 0.000000	6	2000		36 invoke forwardSM	
⊨ Li	nux cooked cept	ure	its), 236 bytes captur 208.208.208.208, Dst:			
⊫ S1	rean Control Tr	ansmission Protoc	ol, Src Port: 2985 (29		(2985)	
	P 3 User Adapta gnalling Connec	tion Layer tion Control Part				
⊨ Tr	ensaction Capab	ilities Applicati				
	M Mobile Applic M SMS TPDU (GSM	ation (03.40) SMS-DELIV	ER			
		and the second se	h parameter is not set	in this SMS SUBMI	T/DELIVER	
			field contains only the port shall be returned			
			has not been forwarded		ned message	
			sages are waiting for t	the MS in this SC		
		-MTI: SMS-DELIVER -Address - (49188				
	TP-PID: 8					
	TP-DC5: 8 TP-Service-Cent	tre-Time-Stamp				
		ength: (16) depen	ds on Data-Coding-Schem	ne.		
· •	TP-User-Data	llo from Pharo				
-	and there are					
	1					

Programming environment for Programmable Logic Controllers





NTed: disaster scenario recovery

NTed

L Darsteller	L Darstell	er +Neuer Darstel
Interaktionsschema	Darsteller	Verletzungsmus
II Verbindungsstatus	Patient 1	Inhalationstraum
verbindungsstatus	Patient 2	Verbrennungen 3
Events	Patient 3	Verbrennungen 3
Nachrichten	Patient 4	Offener Obersch
	Patient 5	KoplaWu + SHT
	Patient 6	Verbrennungen 2
	Patient 7	Schürfwunde
	Тс) sin
	Patient 11	Betroffener

ler				
ster	Interaktionsschema	tags	PIN	
а	Inhalationstrauma	SKI	EEGB	Image: A marked and a marked
Grad	Verbrennungen 3. Grad	SKI	OMTH	🖸 🚺 💽 🛃
. Grad	Verbrennungen 3. Grad	SKI	VYW6	🖸 🚺 💽 🛃
enkel#	Offener Oberschenkel#	SKI	Z19K	
1°	KoplaWu + SHT 1°	SK II	G7DE	
0	Verbrennungen 2°	SK II	WM4G	
	Schürfwunde	SK III	1S5T	

nulate disaster response

Betroffener

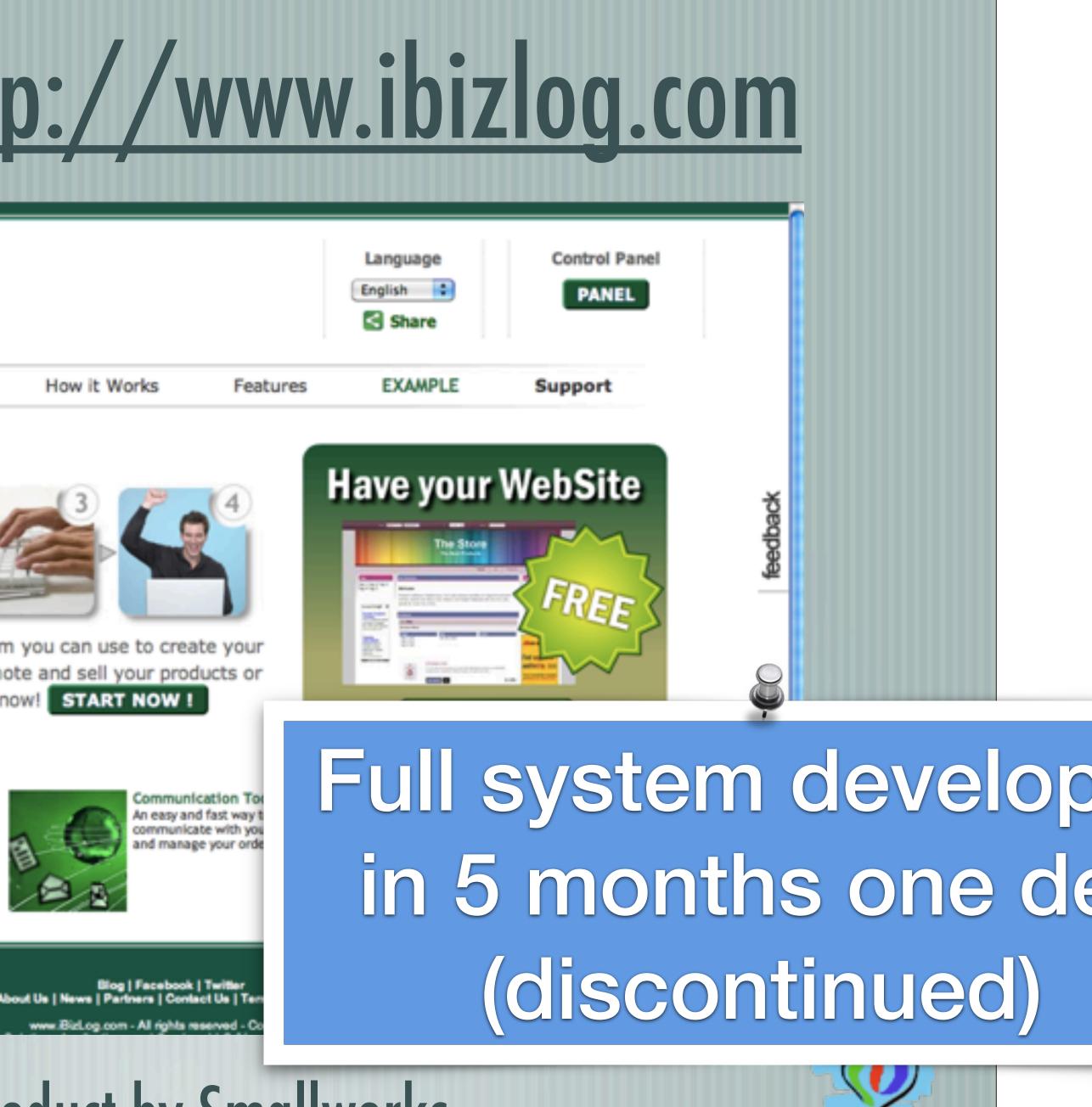
W5UR

🖸 🚺 💽 🕑











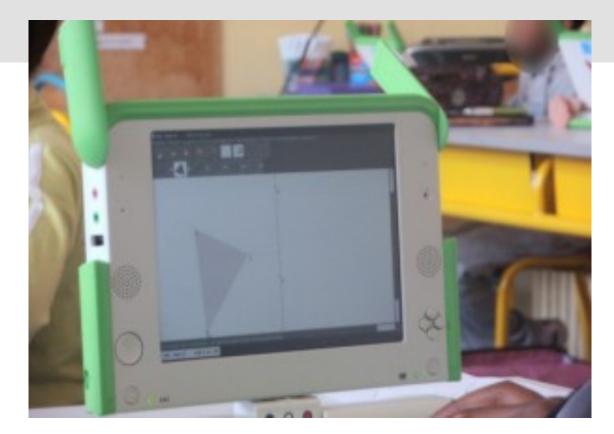




drgeo

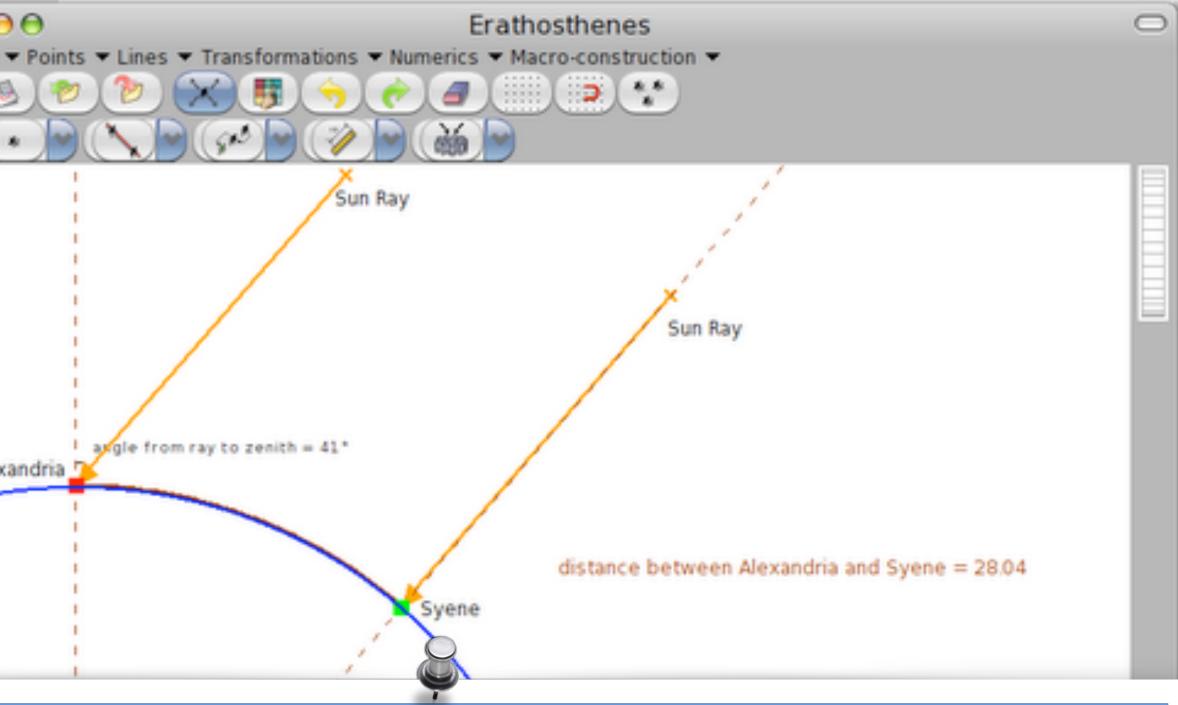
Q

📥 Apps	Search Andro	oid Apps 🗸 🛛 All prices 🗸
My apps <mark>Shop</mark>	Apps	
Games Editors' Choice		File V Poir
My wishlist Redeem		
	Dr. Geo free Hilaire Fernandes & Dimi	Dr. Geo Hilaire Fernandes & Dimi
	*** FREE	★★★★ AR\$28.70 Alexandria



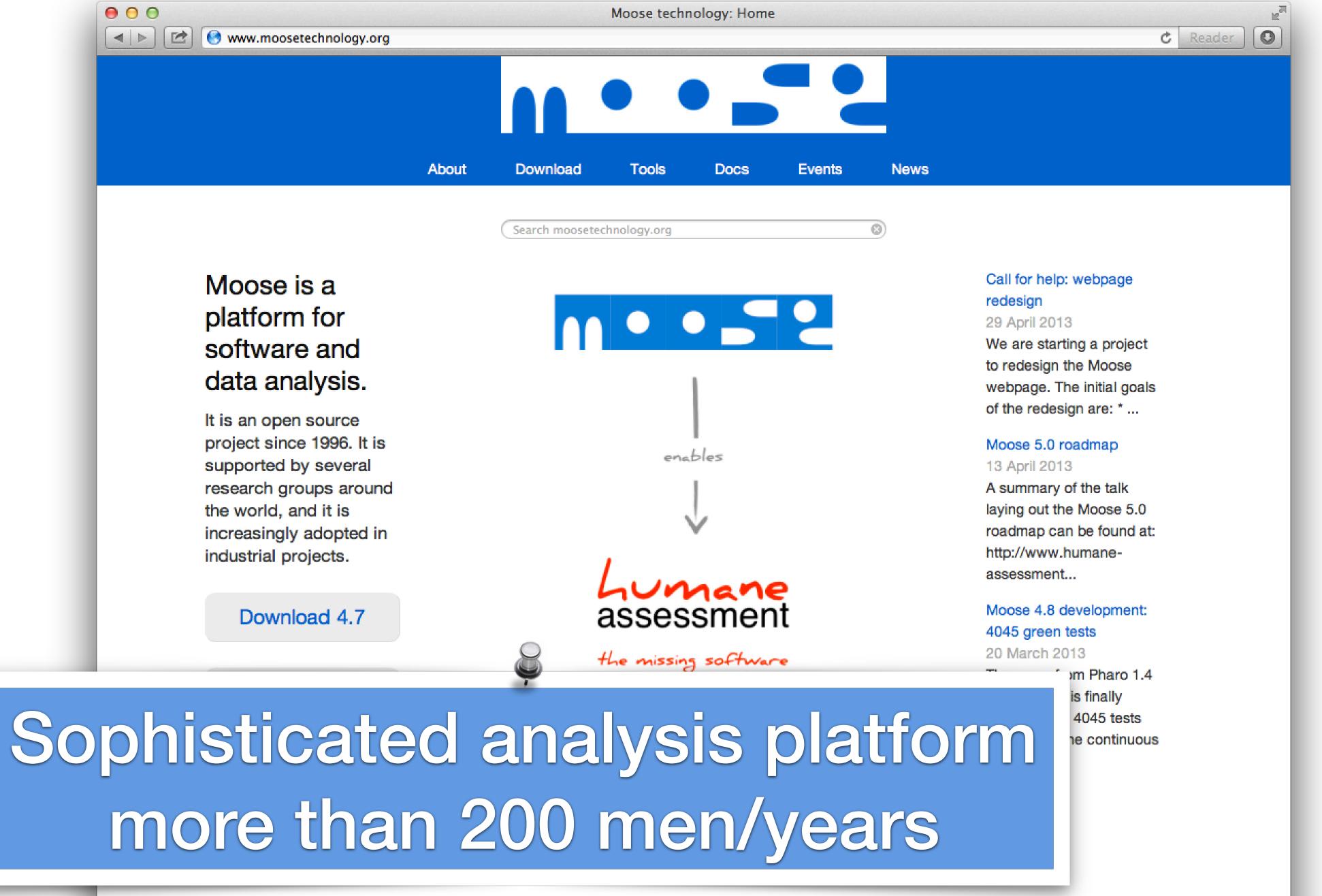
Works on linux, mac, windows, android, OLPC





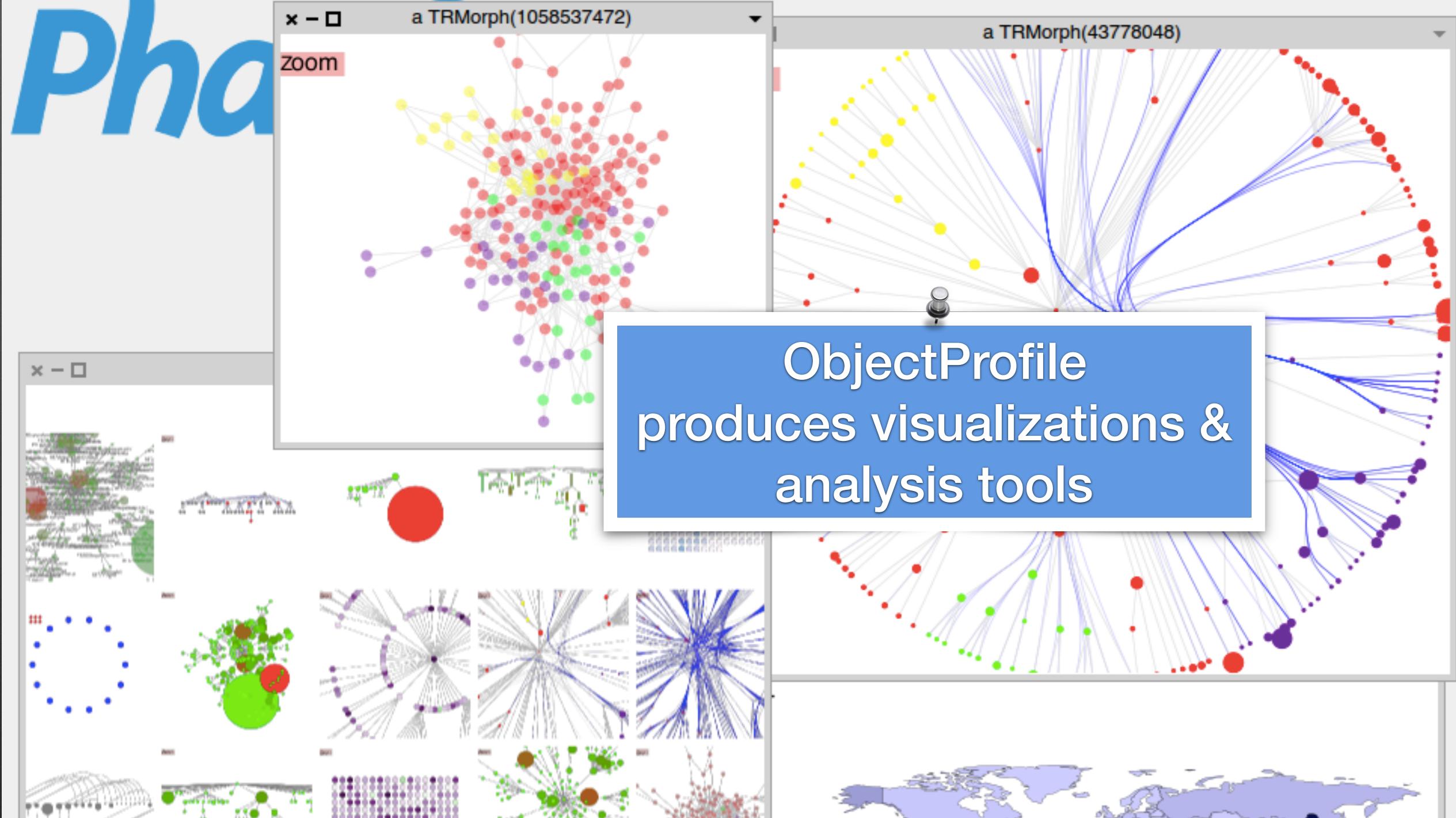
Select and move an object.

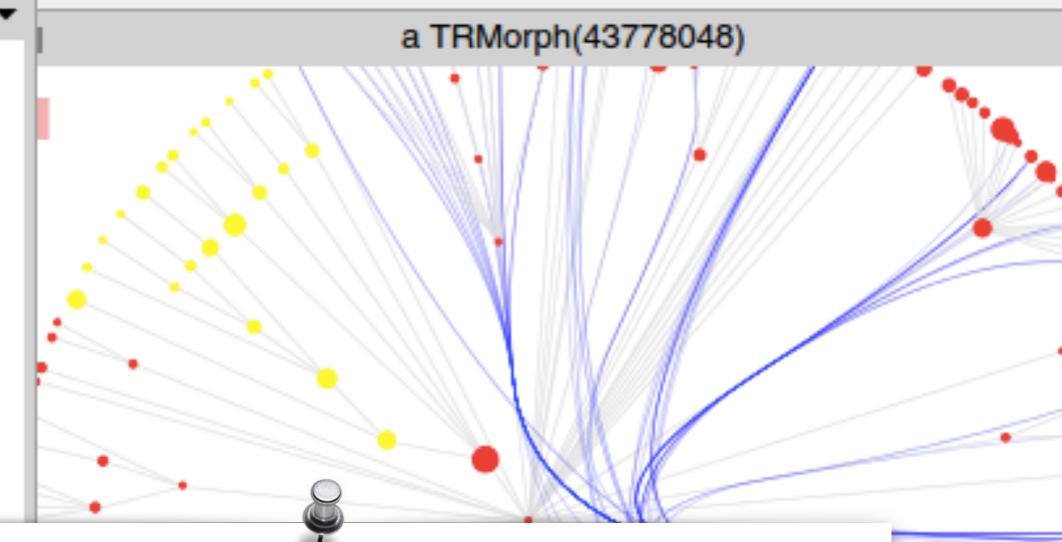




Contact us Report an issue Site powered by Pier

fB







FEATURES

TRAINING & SUPPORT

The world's first online platform fully supporting risk-based test management.

- Your IT is critical to your company.
- Would you dare not to control your risks and neglect the possible impact for your company and customers?
- Start controlling your risks in a standardized and easy way !!!

• BETTER

NORIZZK.COM guides you in composing the most effective and efficient end-to-end test strategy, starting from identified product risks. It helps you focus on the critical aspects of your projects and products.

NORIZZK.COM is the only platform for risk based test management showing you a comprehensive and visual overview on the risk status of your project.

YOUR ADDED VALUE

[°]FASTER

NORIZZK.COM is the fastest way to compose your master and detailed test plan. It comes with a predefined knowledge base containing best practices for building your test plan, thus giving you a head start.

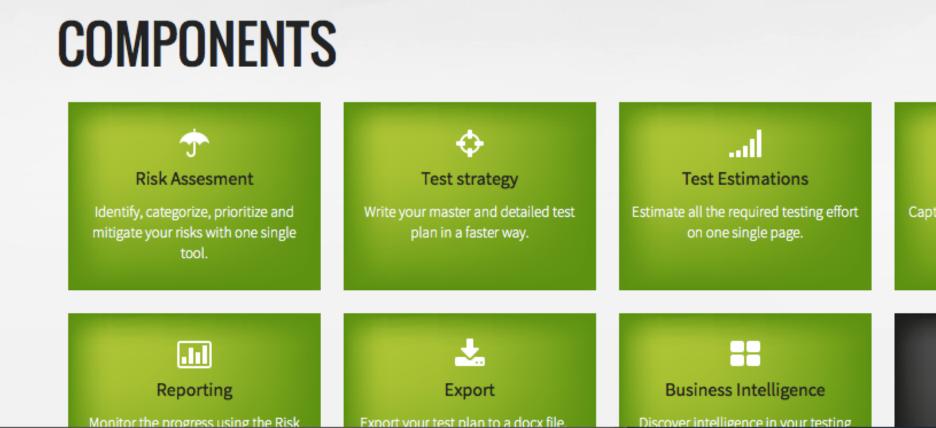
NORIZZK.COM allows sharing and reusing knowledge and experiences from previous projects. Over time, NORIZZK.COM becomes smarter in guiding you since it is self-learning and continuously improves its best practices.

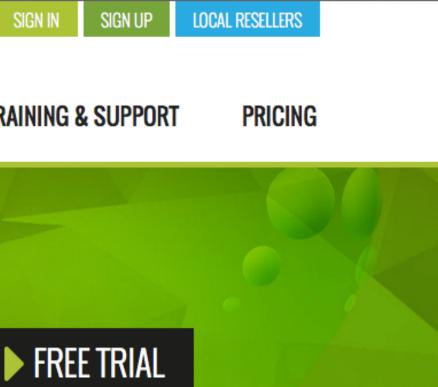
YOUR ADDED VALUE

plans.

sustainable testing intelligence maintained.

YOUR ADDED VALUE





[®]CHEAPER

As from now, wasting time and money by reinventing the wheel is history. NORIZZK.COM gives you significant savings in creating your test

It provides an intelligent and complete approach for all test managers. NORIZZK.COM contains

Digitalizing business

 $\mathbf{\mathbf{V}}$ Test Results Capture all the test results to monitor the progress.

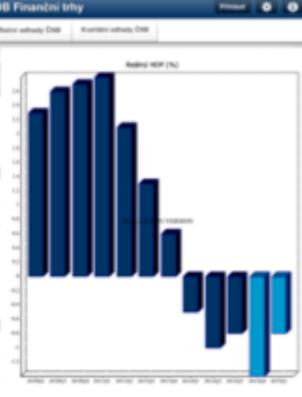
LEARN MORE



	8	₹ ⊿	-1518
Estant Lowerlay	CO Andigey	vyhied yes (h	5 Official and official and official and
SC.	%		<u>.</u>
Enjiblioved Tays		.	
	e ĉso	L. 2012	

Padri adhedy CODB	Riverstein och edy (1)	08	-
Prandrick zesting	2012/04 2013	91	
Reality HDP (%)	-1.4	-0.8	2
Reálhá spolfeba domá	-2.4	-0.8	>
Primimi mira inflace (51 8.9	3	>
Nominalni mésiltni mas	4.01 2.8	2.7	>
Priamér	201204 2013	81	
Cena spy Brent (USD)	barel) 104	105	>
BUAC2K	25.2	84.7	>
EURUSO	1,28	1,26	>
PRIDOR 3M (N)	6.6	0.55	2
usoczk	18.2	20.2	>
Mrs recentistration	50 8.7	9,5	3
Konec obdobi	2012/04 2013	141	
IRS seales G2K, 10 ket	150 1.58	1.85	>
Vjnos st. duhopisu, 10	N. 2.8	2,8	>
Bern suite (200-201	0.05	n 14.	2

😤 📶 🔲 😈 15









				11
	FX.på	y proti D	,m	
Mênerî pêr	Nakep	Pade	Denni amilna	
ELRALD	1208	1,004	ni -	3
I+I CURCAD			20	1
ELECH	1,2019	1,2007	194	1
EURC2X	25,7430	25,2730	PH .	1
12 CURDHO	1,4445	1.418	N	1
BRUNGBP	1.0014	4,0056	194	1
EURHUP			20	1
. EUR.PY	103,7996	104,2008	N	1
BE ELENCK	1,048	1,006	PH	1
-CURPUN		1.17	194	1
ELENACH	4,5229	4,5467	191	3
			PH	1
E EURSEK	RAOTS.	8,6467	PN .	1

	PRIBOR - 9 měsíců (%)	
1,6		
1,45		
U.		
1,35		
U.		
US		
12		
Uē		
υ		
1,8		
		-
0.96		
4.0		
4.8	2012 11.8.2012 18.8.201225.8.2012 1.9.2012 8.9.2012 15.9.201222 9.2012 29.9.2012 6.10.201213 16.201	

0	(péx	
PR	BOR	
1.0		_
0.9	\diamond	
0.8	Y	
0.7		
0.6		
0.5		
0.4		
0.3		
0.2		
	1 2	1

(B) 7pm	CSOB	
FX pår	84	Ask
EURC2K	25.407	25.539
USDC2K	19.746	19.856
EURUSD	12836	12893
PLNC2K	٤.168	«212
GBPC2K	a1.494	at. 67
HUFCZK	0.09075	c.09141
CHFCZK	21.082	21.206
AUDC2K	20.471	20.593
AUDUSD	1.0323	10415
CADC2K	19.816	19.926
DKKCZK	a.407	a 424
EURAUD	1.2325	1249
EURAUD	1.2325	1.249

Eleskové koment	87e		24	wherearc			CS08	Bleskové komentáře Latemo	Pilita
16.11.2012				~	**	444	1 De-	englis ársky tömdi na nalu	
Easter of the second second	na Garentele ÖND replik da nativ sette net latistik, jaran si	de haladel signify an opdit percek	0 EV	RCZK	25.487	a.624	maho	ovni tada (NB na svém dtvelinim jednáni dla sniži dvoutjelenni repu sadhu (21 rep (o 20 baziských kodis ta rekarikti rozom	
	CDN prinsipaliti 25.5 Nitry no na Tarine stationationet, regul		0 us	DC2K	20.024	20.135	0.051	 Lombardivi sacha byla onižena o Milazi na 0.25 % o diskontni sacha byla onižena. 	o depth
	radolara pomitia data 107	La faith ann - Chailte a scruppint - 107 an faith a	E14	RUSD	127	1.2755	base	kých bodů na 1285 %. Dř. 11 2010	21872
Timely 10	A na amarichi data Fache camerichi caminger ancio	antin, sil, reprairié dest, se doiteire i	PU	VC2K	s.121	s.165		glosa: ONE by mills unlike sachy na 1,0 % of asserbirs Contra narroline barrier (CNE) for	
Come may	Breat sylettik obics			PC2K	31.772	or.95		dhë patët k tën zajimavëjdin. 41.11 201	
PREOR	to to the to share a second second second	a ad point (a		vni bity			S Same	a se přípraváje na intervence centrálnich	
Water for	Santa	and a state of		Terles a las	Trajectioners at units	nene la turbence « Branto (B18)	Cesta	koruna bulle s napitim vyčkavat na ilvel tav ČNB.	
1 dan	12	4.15	0	1011-1210-00	Salatia Skape dur	444.00		01.11.201	100.57
	1.27	4.5	0 1	1811.12 18.88	Protect states (10.4 to	ed pert i	Anal	ický dolar spířt zprvníl ický dolar spířt zprvníl, kdyl tentokolitým	
1 tjohen		47	•	101112 1040	Index standard rooting	jar semi		spitovná slabost euro daná fleckem. (81.11.201)	1992
1 tjólen 2 tjóley	1.28		~						
	13	4.6	0	2011/12/00:00	Prije-Benankris -	Nex Totls (Peri)	C Aucho	opét plakodnatilu svii žisla	
2 1989y				2011/20140	Proje Benaniste - Vinteri auty (N)	Nex Torks (Fed)	- Kong	Akace v oblasti politické podpovy leckého izválního programu a především fakt, to N	lacks -
2 týdey 1 mísie	1.34	4.6	0				- Kong	fikace + shiarti politicki podpory leckille	lacks -

● Zpi4	CSOB
Kontakty	Plinislen jako silent Torráð Fukol
Online	
Jan Čermák Investiční výzkum - analytik	Ø
Offline	
Jan Bareš Investiční výzkum - analytik	Θ
Petr Báča Investiční výzkum - analytik	Ø
Upozornění: ta trán každých 5 vle	ka se automaticky aktualizuje

2 /pi4 2505
Tomáš Kakol Onine
der) 20.11.2012.11.21.34 - Temdő Kural ahoj temálir jak se máli
duras 15.11.2012 17.30 18-19 nemšža provincji
Ourtex 15:11:2012 17:20:51 - Temat Kuna Ahig Hokes
duran 15.112012 17.01.44-16 alog Tome
offede 14.11.2012 10:20:13 - Tomati Kanar ahrg
Upozomění talo stránka se automaticky aktualizaje kuždých 5 vteřin.

Developed in 3 months one dev Sold to Belgium bank Java team estimated 2 years

15.11.2012 01.45

Why web-based software? Plans and Pricing Home



00	home You	ur Company N	fame airf	lowing		
4 🕨 🔶 Pittp://yourcompanyname.air	floying.com/r	ervice/home				6
	flowing.com/r	service.home	v-		Users Groups G	
Your Company Name	ي ا	q.R		5	liters Groups C	
	flaving.camh	lobby	y- jobs	tioney	litera Groupe C	
	ي ا	q.R		money	laters Groups C	

Organize your creative work

Sales, tasks and finances: your team and all that's essential in one place

Plans and Pricing

14-day free trial for all plans sign up in 60 seconds

Deployed business model did not work





Take the pain away from your organization needs.

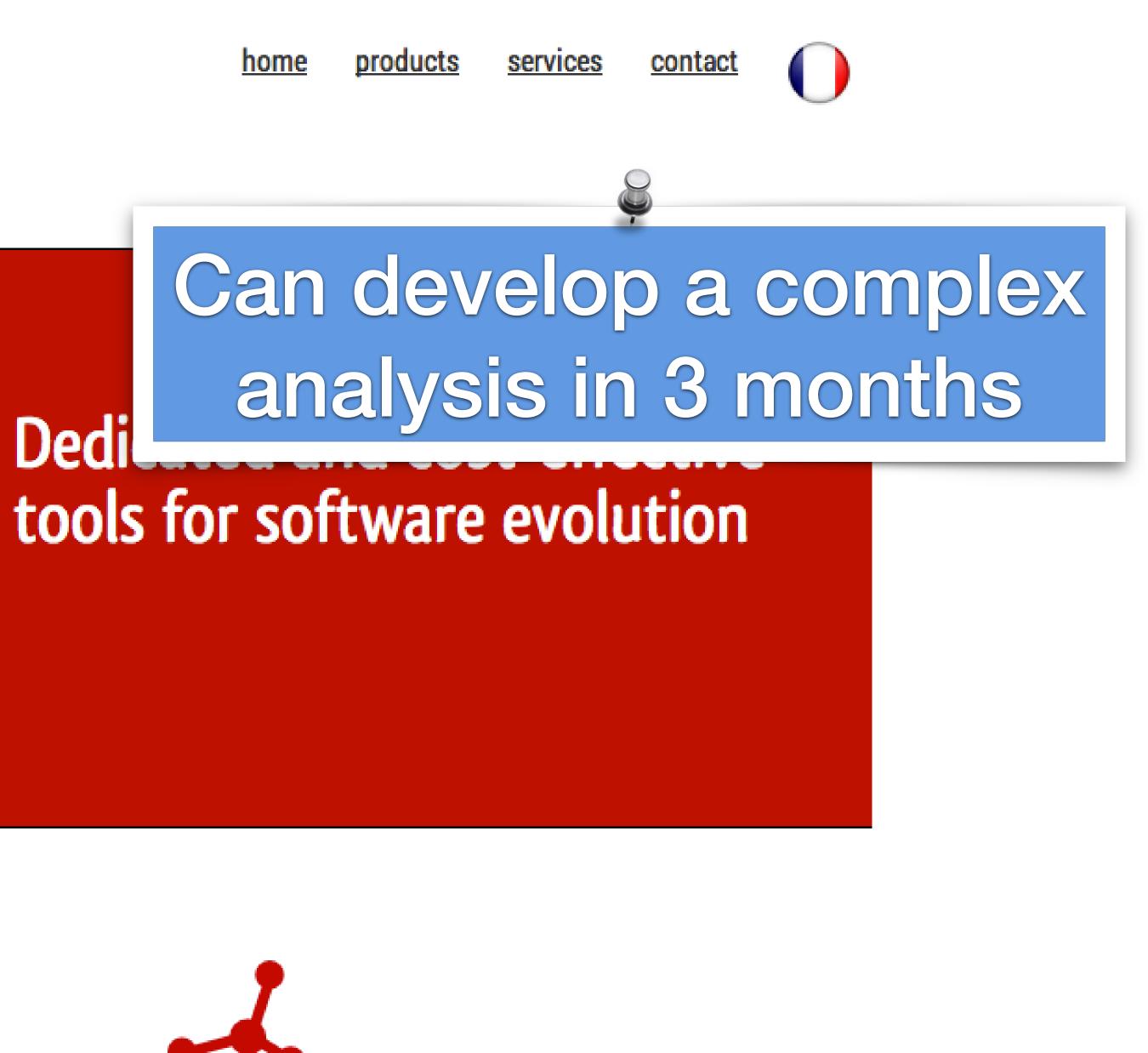
Offline - Leave a message

Click here to chat with us!



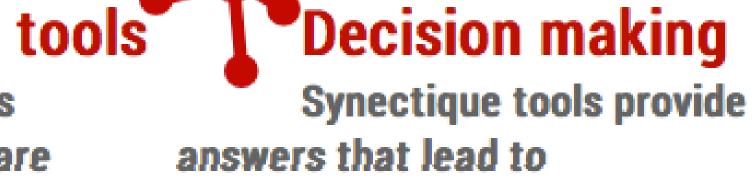














Funktionen Aktuelles Forum FAQ Preise 🔍 f 🎔



Spesenfuchs

Spesenfuchs ist eine Reisekostensoftware für jedermann. Einfach, schnell und kostenlos. Alle Pauschalen und gesetzlichen Regelungen sind hinterlegt. Es ist keine Registrierung notwendig!

Reisekosten clever abrechnen >

Ohne Login benutzen

Login mit Facebook

Registrieren

E-Mail

Passwort



Login



Wind Energy

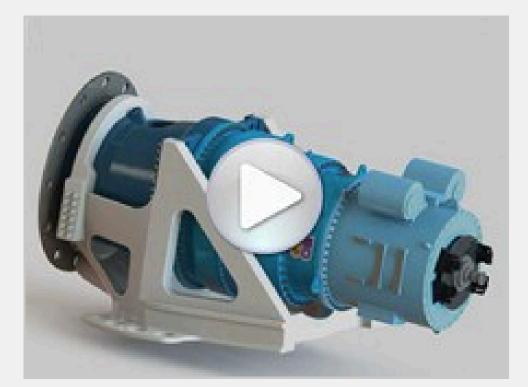
Pioneering new ways of maximising sustainable wind energy yields. Our products and services optimise asset availability, wind turbine performance and drivetrain reliability. We work with owners, operators, manufacturers, insurers and service providers worldwide.

Industries

Products

About us

Home > Industries > Wind Energy





Overview

Why we are specialists

Who we work with

Wind Energy

Pioneering new ways of maximising sustainable wind energy yields

Services Customers

Get in touch

We provide services and software to a range of industries

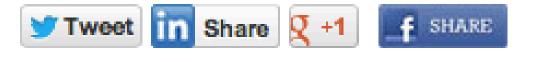
Contact us

ENQUIRE TODAY >



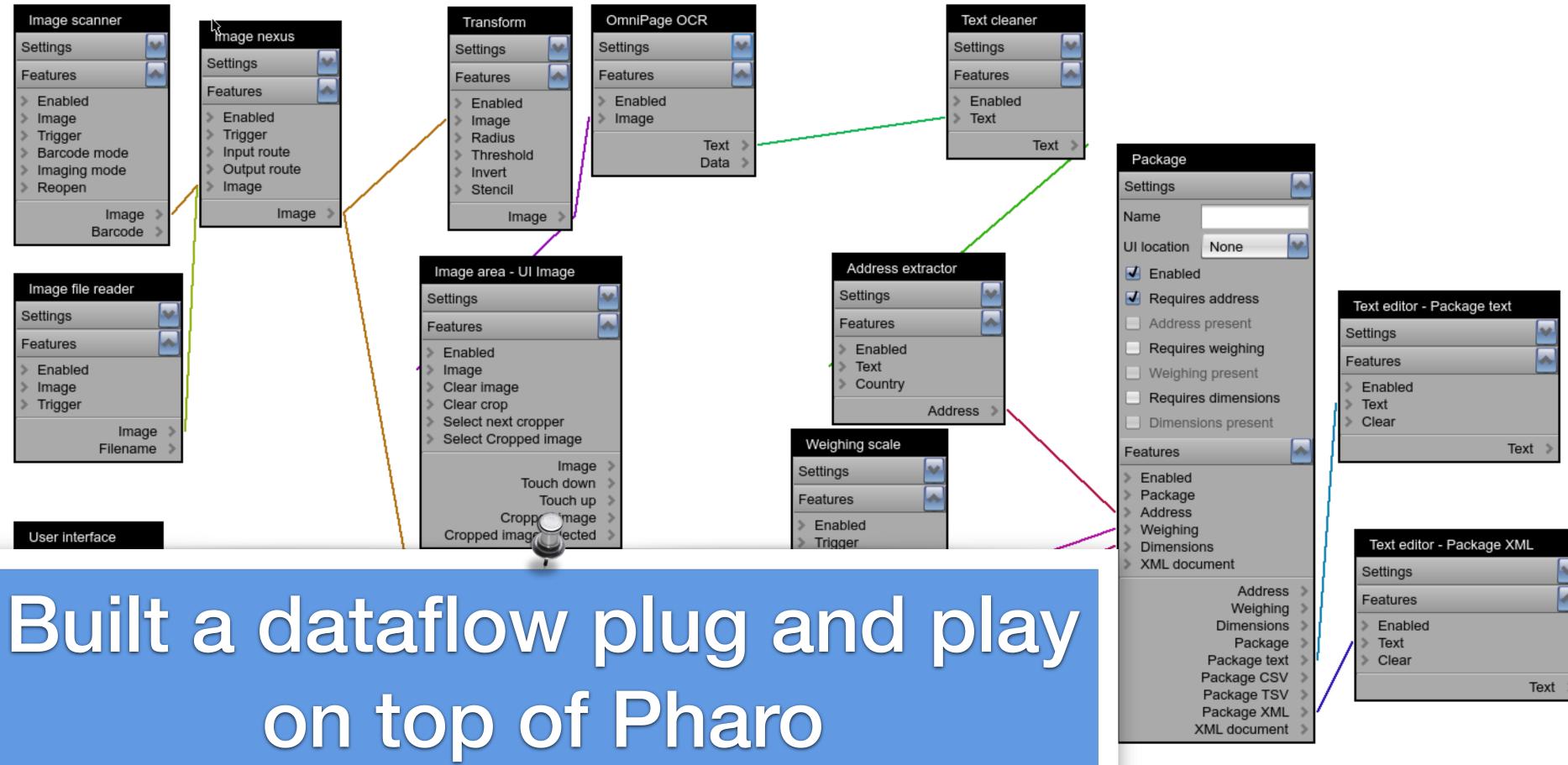
Related links

InSight RomaxWIND Butterfly platform Forensic engineering Analysis service Monitoring service



Wind industry solutions







Handle return mails in Switzerland



ABOUT US

ROAM SMARTER

UNLIMITED DATA IN 100+ COUNTRIES

Specific home relocation registration

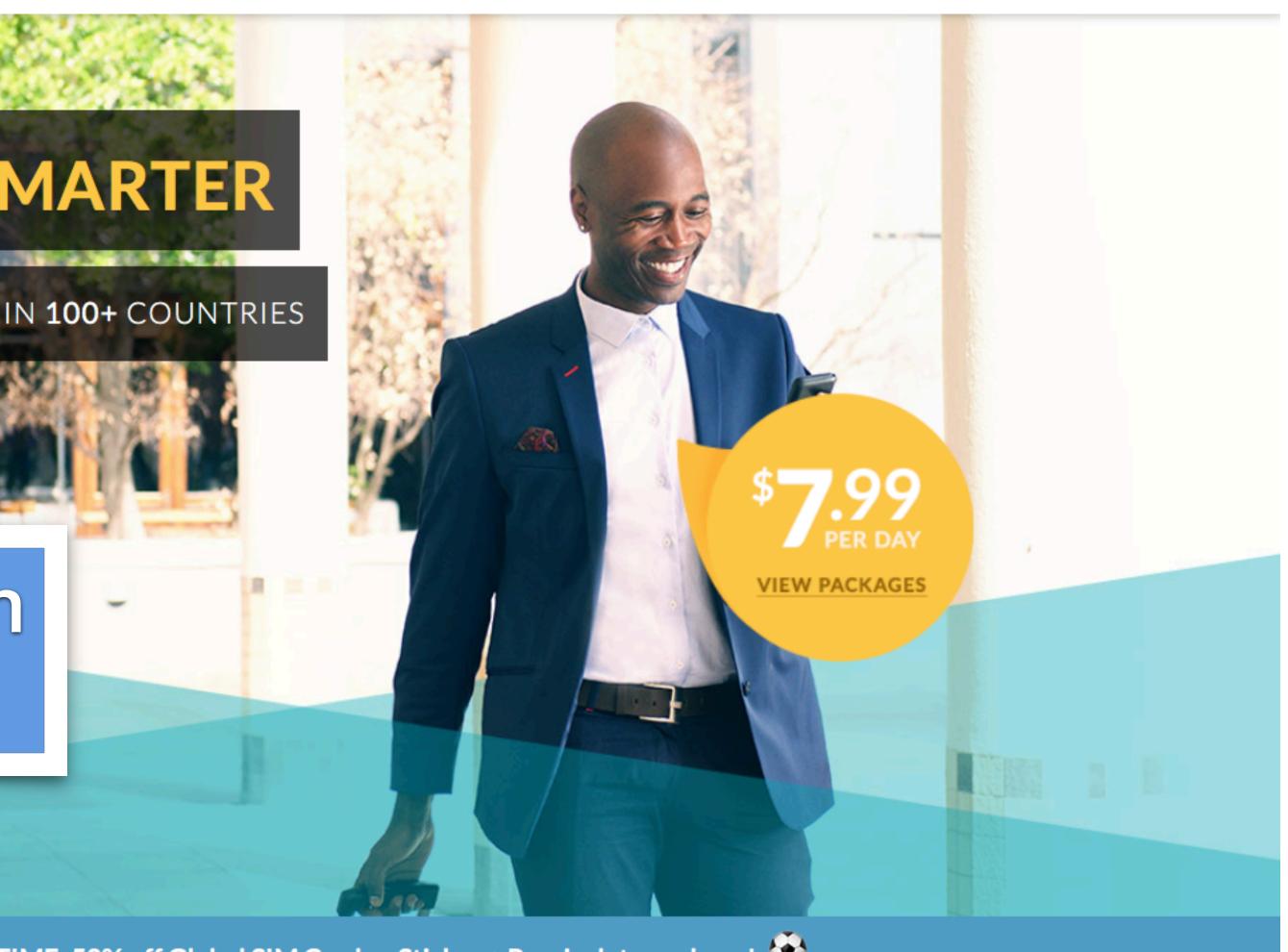
LIMITED TIME: 50% off Global SIM Card or Sticker + Russia data package!





BUSINESS

RATES CONTACT BLOG



Our Roaming Solutions

Affordable calls + data in 200+ countries Bonus WhatsApp data usage 4G LTE coverage



Bond calculator for experts investors

Your own research tool for making intelligent decisions.



Features Adv

Advantages Pricing Customers Try for free Login ES

•					Abbaco	- Calculadora de bor	05
h	Buscar bo	ne		di A	nalizar 🔹		
baco	Curva	s / Arc	entin	a - Sob	eranos	- USD	
RITOS							
DA DE CORTES							BONOS E
ARAR 9	Bono Il	TIRUT	MD	Parided	VIII	Cutización	
	A2E2	5.14%	3.23	101.82 %	101.39	2,090.00 *	a=+
	A267	6.69%	6.22	101.90 %	101.70	2.098.00 *	4.0.*
	AA19	3.87 %	0.95	102.08 %	102.92	2.127.00 *	4 = *
	AA21	4.87 %	2.58	105.37%	103.27	2,203.00 *	a = *
	AA25	5.65%	4.85	100.90 %	100.11	2,045.00 *	4.2.*
	AA26	6.29%	5.69	107.72 %	103.63	2.260.00*	4.0.*
	AA37	7.50%	9.45	102.59 %	100.15	2,000.00 *	42*
	AA46	7.68 %	10.77	100.77%	103.62	2,114.00*	a = *
	AQ17	7.92 %	12.09	91.92 %	102.32	1.904.00 *	42.
	ANTO	2.56%	0.56	103.65%	100.65	2.175.00*	40.
							44 39

OTEO	e 60	ALC: N	DEL	A 1	E.A.I	LATE I	4
OTRO	9 00	MUS-	DEL	<i>n</i> ,	r M	MIL	n

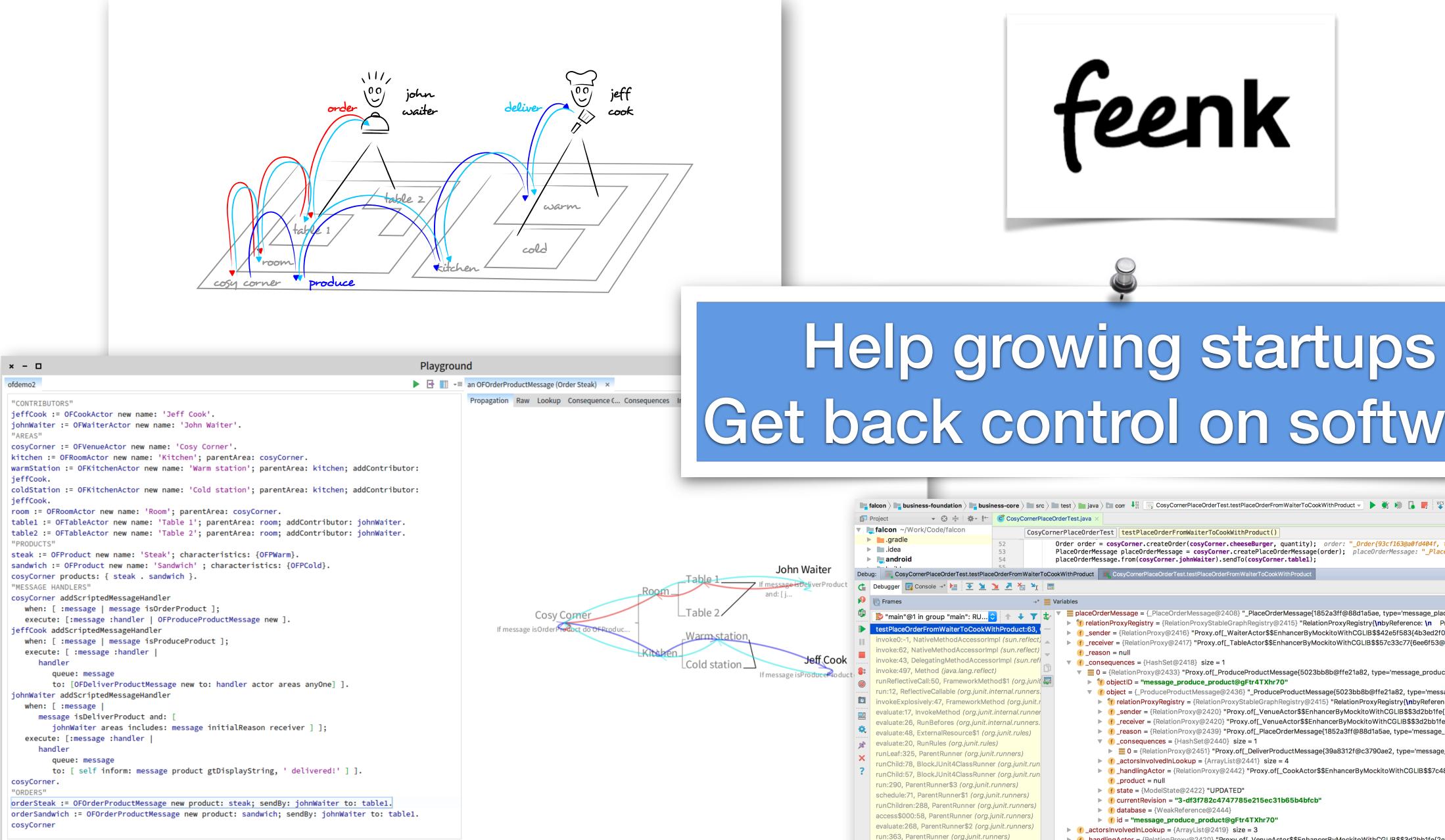
Bono 🕸	TIR	MD	Paridad	VI	Cotización	
A268	6.71%	6.88	94.95%	101.70	1.955.00 *	+ a = +
AAI23				101.32		+ a = +
AE48	7.87%	11.21	89.81 %	101.47	1,845.00 *	+ a = +



2

- Argentina -+ A2E2 + + PARY +

USD



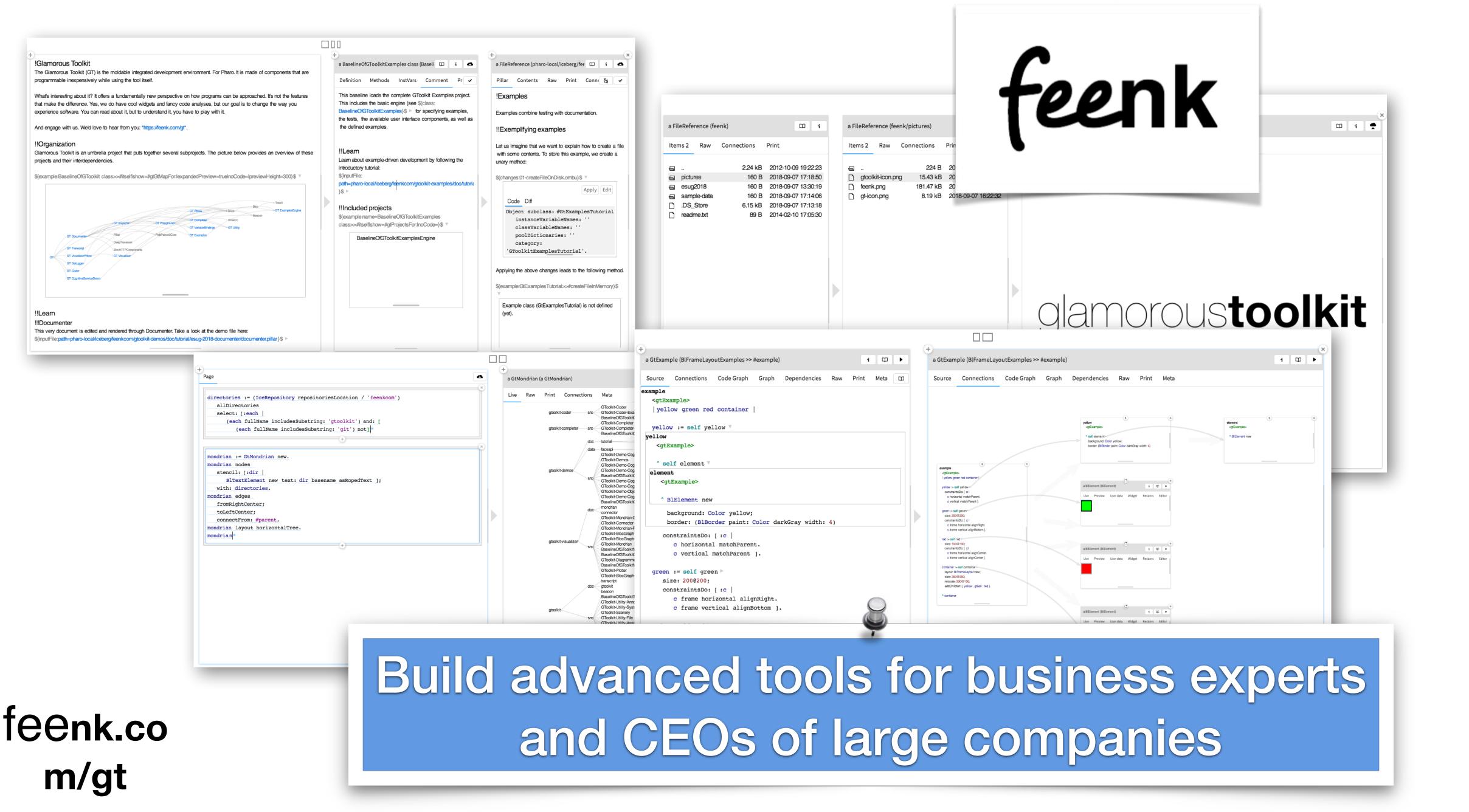
• •

Get back control on software

🗊 Project 🔹 😴 🚔 🌞	C CosyCornerPlaceOrderTest.java ×
r 📑 falcon ~/Work/Code/falcon	CosyCornerPlaceOrderTest testPlaceOrderFromWaiterToCookWithProduct()
.gradle	52 Order order = cosyCorner.createOrder(cosyCorner.cheeseBurger, quantity); order: "_Order{93cf163@a0fd404f, type='order'
 idea android 	53 PlaceOrderMessage placeOrderMessage = cosyCorner.createPlaceOrderMessage(order); placeOrderMessage: "_PlaceOrderMessage 54 placeOrderMessage.from(cosyCorner.johnWaiter).sendTo(cosyCorner.table1);
	55
	PlaceOrderFromWaiterToCookWithProduct
Debugger 🖪 Console →* 🔚 🛨	🔟 🚬 💆 🍢 🎢 🗄
9 Frames	→" <mark> </mark> Variables
🕼 📡 "main"@1 in group "main": RL	👔 🛆 🗼 🚛 🔽 🛨 🔽 📕 placeOrderMessage = {_PlaceOrderMessage@2408} "_PlaceOrderMessage{1852a3ff@88d1a5ae, type='message_place_order', id=
testPlaceOrderFromWaiterToCod	TrelationProxyRegistry = {RelationProxyStableGraphRegistry@2415} "RelationProxyRegistry{\nbyReference: \n_Proxy.off_Registry
invoke0:-1, NativeMethodAccess	
invoke:62, NativeMethodAccess	
invoke:43, DelegatingMethodAcc	
invoke:497, Method (java.lang.re	
runReflectiveCall:50, Framework	
run:12, ReflectiveCallable (org.ju)	
invokeExplosively:47, Framework	
evaluate:17, InvokeMethod (org.j	unit.internal.runner f_sender = {RelationProxy@2420} "Proxy.of[_VenueActor\$\$EnhancerByMockitoWithCGLIB\$\$3d2bb1fe{2e2ff723@43
evaluate:26, RunBefores (org.jur	nit.internal.runners. • (f _receiver = {RelationProxy@2420} "Proxy.of[_VenueActor\$\$EnhancerByMockitoWithCGLIB\$\$3d2bb1fe{2e2ff723@4
evaluate:48, ExternalResource\$1	(org.junit.rules) I f _reason = {RelationProxy@2439} "Proxy.of[_PlaceOrderMessage{1852a3ff@88d1a5ae, type='message_place_order',
evaluate:20, RunRules (org.junit.	
runLeaf:325, ParentRunner (org.	
runChild:78, BlockJUnit4ClassRu	
runChild:57, BlockJUnit4ClassRu	<pre>Inner (org.junit.run</pre>
run:290, ParentRunner\$3 (org.ju	Init, runners)
schedule:71, ParentRunner\$1 (or	g.junit.runners)
runChildren:288, ParentRunner (org.junit.runners)
access\$000:58, ParentRunner (c	org.junit.runners) If id = "message_produce_product@gFtr4TXhr70"
evaluate:268, ParentRunner\$2 (c	$racional contractor sinvolved in Lookup = {AnayList@2419} size = 3$
run:363, ParentRunner (org.junit	
run:137, JUnitCore (org.junit.run	
startRunnerWithArgs:68, JUnit4	
startRunnerWithArgs:51, IdeaTes	
prepareStreamsAndStart:242, JL	
main:70, JUnitStarter (com.intell	
Loaded classes are up to date. Nothing to	



ī	Q,						
id='o=([1852a2:							
*							
ľ	Q						
	→"						
۱	View						
	View						
	View						
	View						
	View						
r	View						
	View						
(View						
	View						
·	View						
3	View						
	View						
	View						
	View						
- Li V	₹ <mark>2</mark>						

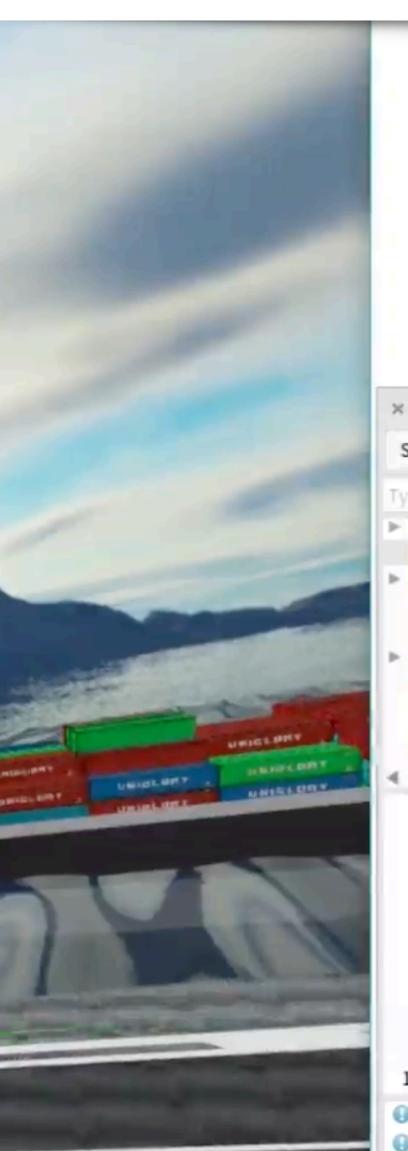




Phar Thales prototyping VR

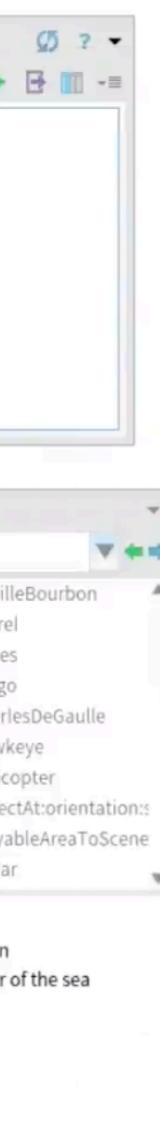
Playground



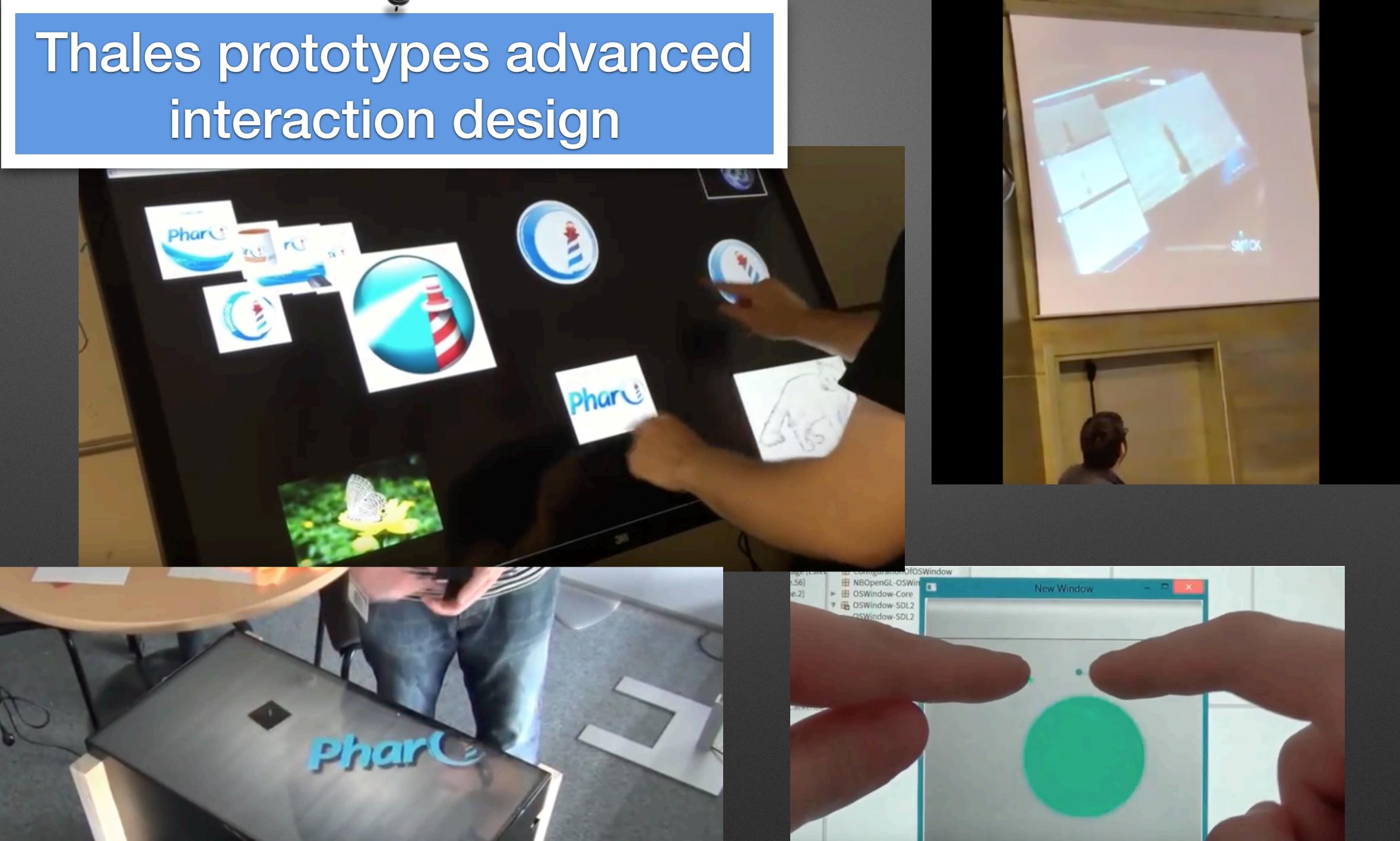


tmp := OVRWDemoAircraftCarrier open. tmp

× - 🗆		OVRWDemoA	ircraftCarrier	
Scoped	Variables		History Navigator	
 Oper Oper Oper Oper Oper Phar Phar Poly Poly Prof Prof Prof 	NVR NVR-Woden NVR-Woden- ro-Help morph-Task morph-Widg maCollector Stef-Core Stef-Help Stef-Tests	 ProtoObject Object WDApplication WDFPSExample OVRWEmptyExample OVRWExample OVRWDemoAircra OVRWDemoPickir OVRWExampleCotw Hier. C Class 7 Com. 	all event handling initialize menu scene content updating	addAbeilleBourbon addBarrel addBoxes addCargo addCharlesDeGaulle addHawkeye addHelicopter addObjectAt:orientatio addPlayableAreaToSce addRadar
#OVRW in 'flyi scrol opera dynam cl	ingRafaleNo llGestureLi ationQueue nicsWorld' lassVariabl ackage:	ftCarrier ableNames: de teleportLocations stener menu waterMaterial		hange the color of the sea
1/11 [2]	- 1/11 [25]	Format as you read W +L	1/3 [1]	e w
	ot referenced nicsWorld] Insta	? X ance variables not read AND writte	n ? 🗙	Helpful? 🦽 👎 Helpful? 👍 👎



interaction design



Mobility Map: a broker for mobility services multi-modal routing search docker running dozens of pharo

smart forfour

AIRBUS



AIRBUS

smart forfour

Opel Astra Kombi

28. Sep 2018 08:45 until 28. Sep 2...

29. Sep 2018 15:00 until 29. Sep 2...



Search

Plan Trip



My Bookings Add and send tickets



My Account Manage linked accounts

Neuenfelder Ha

16:45

Help and Information FAQ, Service and Contact

Shuttle bus 1004 Bus Finkenwe

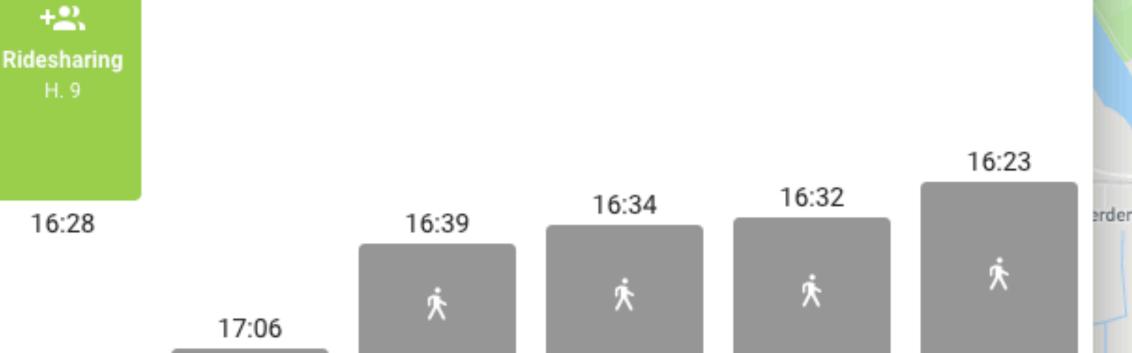
13:30

15:15

15:10

To: Bremen

Departure: 29. Sep until 17:10

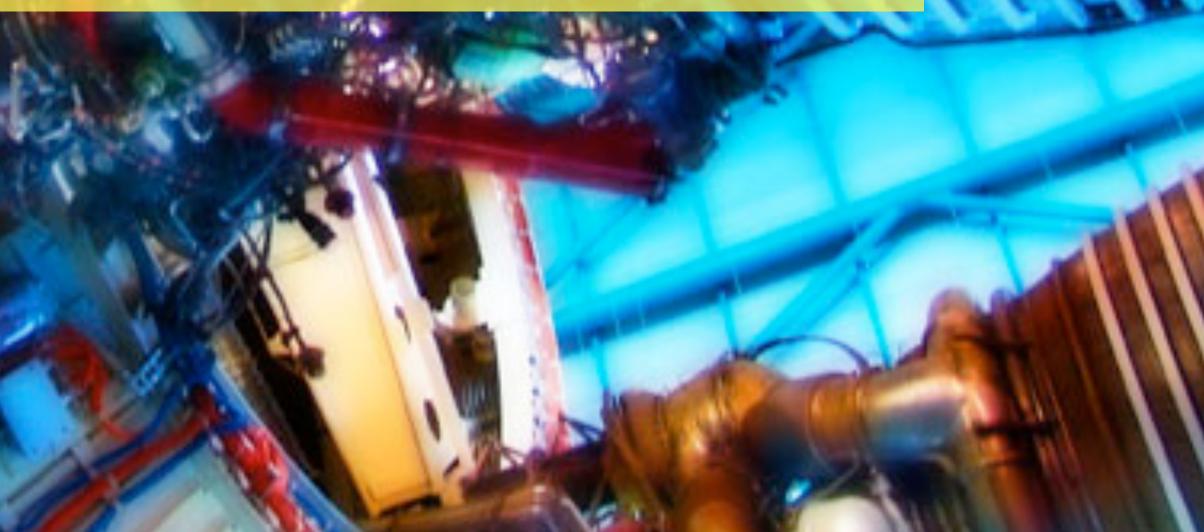




=

Remember? Our goal...

A powerful engine to invent (y)our future





An ecosystem where innovation/business bloom



You are not alone...

consortium.pharo.org

Industrial consortium

No marketing No hype Adults deciding to use Understanding strengths and weaknesses

We are a cool community



Pharo's Teachers

 Univ. of NoviSad • Uni. of Buenos Aires • Uni. of Bern • Uni. of Maroua • Uni. of Brussels • Ecole des Mines de Douai • Uni. de Savoie • Ivan Franko Nat. Uni. • Czech Technical Uni. • CULS Prague

Uni. of Quilmes
Uni. of La Plata
Northern Michigan Uni.
Uni. Technologica Nacional (UTN)
Uni. Catholic of Argentina
Uni. of Santiago
Uni. Policnica de Catalunya
Uni. de Bretagne
Occidentale
Uni. of Tomsk
Uni. of Fernhagen
IT University of
Copenhagen
Uni. Cat del Sacro Cuore of Brescia
Uni. of
Yaounde
Uni. of Saint-Louis
INFTI
Uni. of Lyon
Univ.

Research Groups

Lafhis (AR) SCG (CH) CAR (FR) RMOD (FR) Ummisco (IRD) Reveal (CH) Lysic (FR)

CEA-List (FR) Uqbar (AR) OC (FR) CCMI-FIT (CZ) ASERG (BR) Pleiad (CL) SoftQual(Serb)



http://mooc.pharo.org

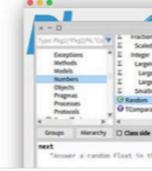


The Pharo MOOC



The immersive programming experience

Pharo is a pure object-orier simplicity and



About this course

If you are either a beginner or an expert in object-oriented programming, this MOOC will change the way you program with objects: come and learn or rediscover object-oriented programming with Pharo!

Pharo is a pure object-oriented programming language in the tradition of Smalltalk. It offers a unique developing experience in constant interaction with live objects. Pharo is elegant, fun to use and very powerful. It is very easy to learn and enables to understand advanced concept in a natural way. When programming in Pharo, you are immersed in a world of live objects. You have immediate feedback at any moment of your development on objects representing web applications, code itself, graphics, network. More...

Obtaining the MOOC

We strongly suggest to follow the MOOC during the next session on France Université Numérique that will start October 16th, 2017 because you will have support from the teaching team.

Join the discord channel mooc on the Pharo community (Invitation at http://discord.gg/Sj2rhxn)

But, you can also access all ressources of this MOOC offline on:

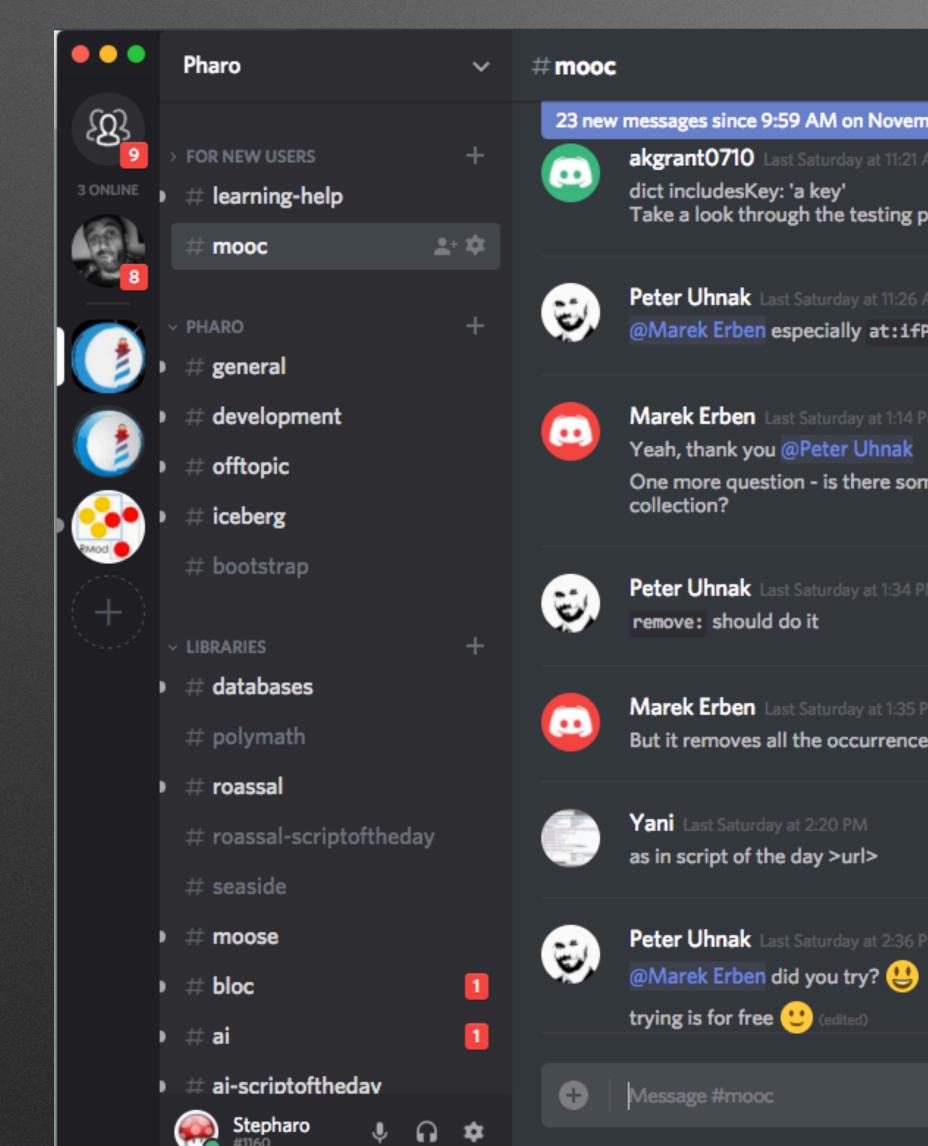
		nooc/		C				
Fraffic Ph	haro 🖌 🛛 Pillar [Jenkins] epibud	index.pillar arxiv	twitter	weekly	weeklyMe	meditation	
ek 6	Week 7	Resources	Download					



	-4				
-	relinent	-0	Playgrou	nd	8-
Kangori	PARTICULUS	Page			0 🖬 🗆 –
-	accessing	numbers numbers :*			
Cuero I	 initialization private 	10 timesRep numbers ins	peat: [numbers ad spect.	d: 100 atRan	doe].
duetro luetro	• private	10 timesRep numbers ins	peat: [numbers ad spect.]	d: 100 atRan	dom].
		10 timesRep numbers ins	peat: [numbers ad spect.	di 100 atRad	don].
-	• private	10 timesRep numbers ins	pest: [numbers ad gett.] Debugit	d: 100 atRa	doe].
	= private	28 tinesRep numbers ins Delt valueRIDAR	peat: [numbers ad sect.] Debugit ceiver.arguments: eries	f: 100 atRan	dom]. -

D

http://discord.gg/Sj2rhxn



	Q	Ļ 🙁	Search	ৎ @	?
nber 23, 2017	MARK AS	READ			
			ADMIN-3		
protocol of Dictionary (and superclasses)					
			💮 🧖 Juraj		
Present:, at:ifAbsentPut: & co.			Wilon Playing	; Elite: Dangerous	
			CHANNEL-A	DMIN-7	
			Alex	andre Bergel	
me simple way to remove one occurrence of item in Bag			Clerr		
			💮 💮 PhilB	ack	
			Step	haro	
PM			💽 Tors	ten Bergmann	
es of item, doesn't it?			🔄 😳 Tudo	or Girba	
			💽 Yuriy	y Tymchuk	
			ONLINE-42		
PM			🤤 akgr	ant0710	
			😱 Aleja	androInfante	
			😡 awar	renghem	
		e	Benc	it Verhaeghe	

Only objects + messages +

closures!

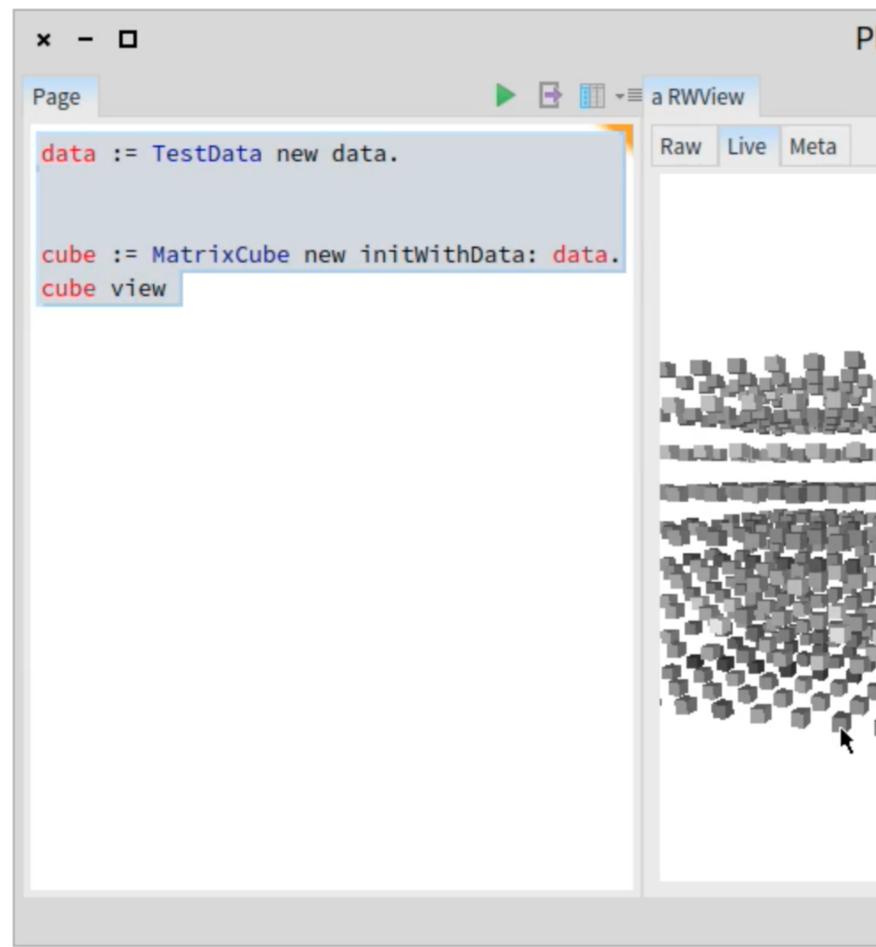
mouse, booleans, arrays, numbers, strings, windows, scrollbars, canvas, files, trees, compilers, sound, url, socket, fonts, text, collections, stack, shortcut, streams, ...

A Pure 00 Word

Domain Driven Modeling = Focus on your domain

Amazing moldable tools

Customize object interaction/presentation to focus on YOUR domain



Playground						∽ ᡚ
Ø	an Array	/ [4 iten	ns] ('200	00-01-01''Ma	lawi''France' ×	ø 🔍
	Items	Raw	Meta			
	Index	[Item '2000-01-01'	
	2				'Malawi'	
	3				'France' '400.0'	
	enter	search	query (example: "ea	ach = 5")	

Traditionally a file reference...

Inspector on a FileReference (/Users/ducasse/Documents/Pharo/in × a FileReference (/Users/ducasse/Documents/Pharo/images/Pharo 7.0 - 32bit (development versic... 📡 🔍 ducasse/Documents/Pharo/images/Pharo 7.0 - 32bit (develo /stem Users' / 'ducasse' / 'Documents' / 'Pharo' / 'images' / 'Pharo 7 "File @ /Users/ducasse/Documents/Pharo/images/Pharo 7.0 - 32bit (development version)-02" self

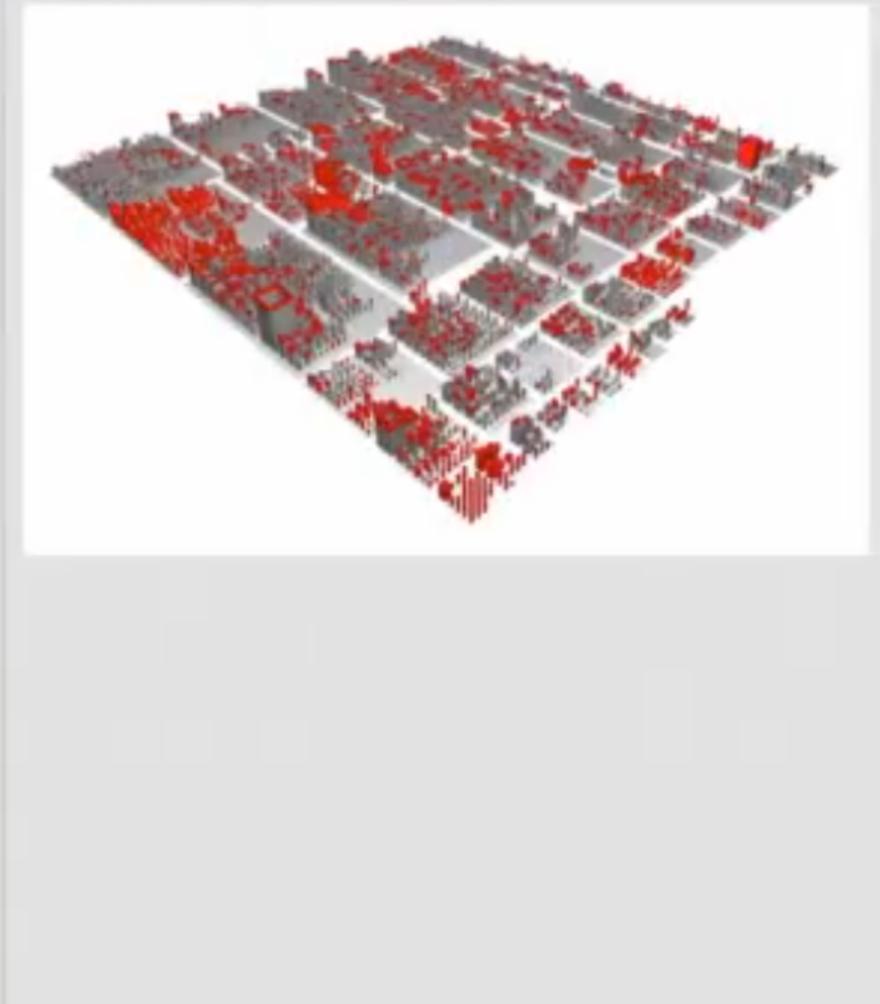
I	lten	ns	Raw Meta		
	Va	riab	le	Value	
		C	self	/Users/	d
	►	C	filesystem	a FileS	ys
	►	C	path	Path / '	U

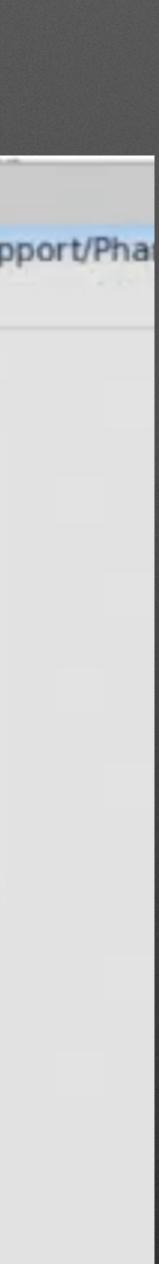
× - 🗆	Inspector on a FileReference (/Users/ducasse/Libra				
a FileReference (/Users/ducasse/Lib	orary/Applica	tion Support/Ph	aro/images/SpurForSh.		
Items Raw Meta					
Name		Size	Creation		
□. □current IDS Store		408 B 238 B 6.15 kB	2016-03-04 20:23:03 2016-02-25 10:34:24 2016-02-25 10:34:44		
<pre>//pharo-city.png //pharo.log //photos.zip //script.st //scripts.zip</pre>	k	136.55 kB 155.14 kB 157.78 kB 291 B 1.53 kB	2015-06-25 17:31:20 2015-06-30 14:51:30 2015-06-30 16:59:24 2015-09-17 15:21:14 2015-07-15 01:48:50		

sers/ducasse/Library/Application Support/Pharo/images/SpurForShooting6)

es/SpurForSh... 🖉 🔍 a FileReference (/Users/ducasse/Library/Application Support/Pha

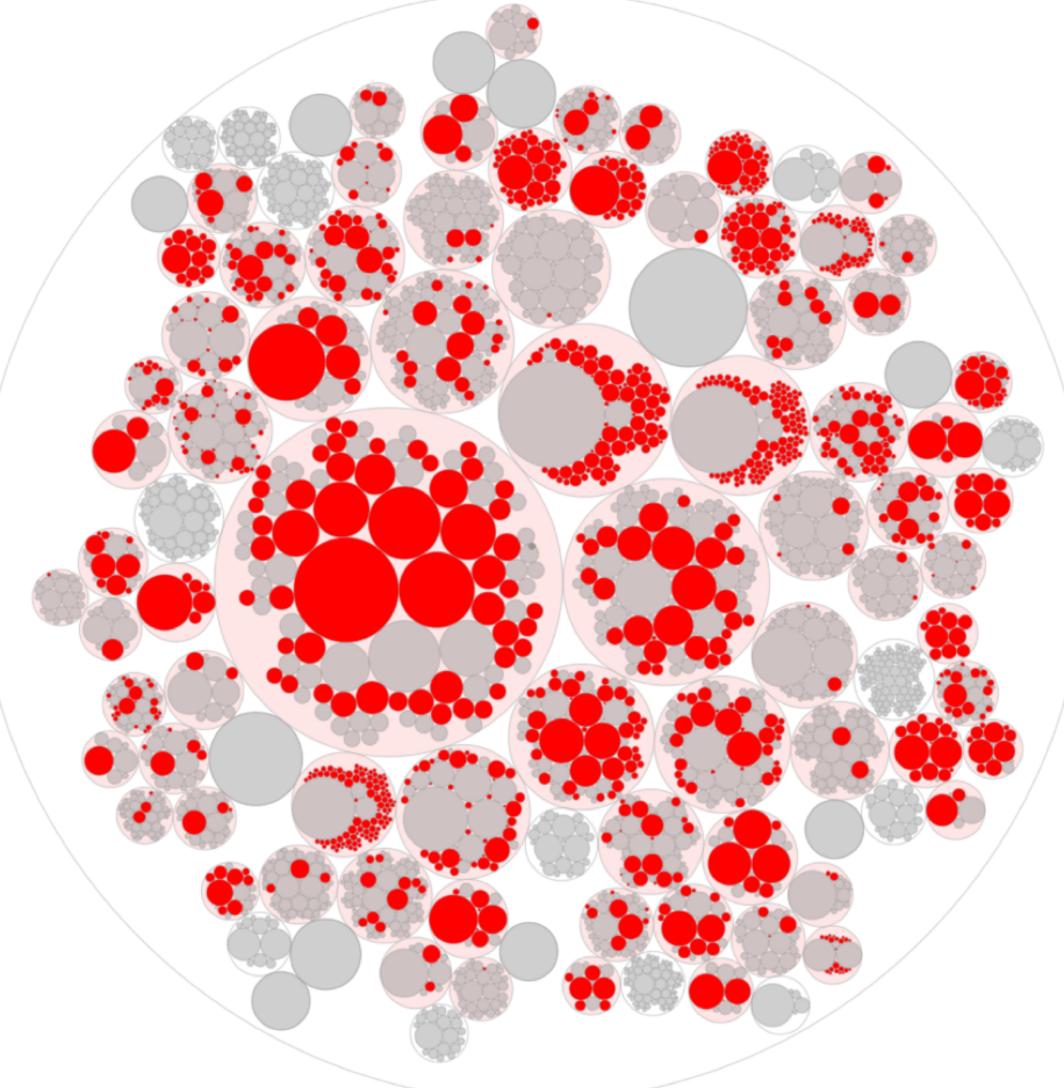
D / D Picture Contents Raw Meta





× - • Inspe	ector c	on a DiceHandle class (DiceHandle)						
A MethodDictionary [5 item It. Ke. Raw Meta Key Value #add: DiceHa #initialize DiceHa #dices DiceHa #+ DiceHa	ns 🖉 🔍	a CompiledMethod (DiceHan A a RBAssignmentNode (RBAs * E S Ir A He Me RBMethodNode(+ anHandle RBArgumentNode(anHandle) RBSequenceNode(hn hn := RBTemporaryNode(hn) RBAssignmentNode(hn := C RBMessageNode(DiceHar RBTemporaryNode(hn) RBMessageNode(self dices RBMessageNode(self dices RBMessageNode(anHandle RBReturnNode(^ hn)						
	, , , , , , , , , , , , , , , , , , ,							

of specific views developed by the community



Hot update on the spot customizable debugger

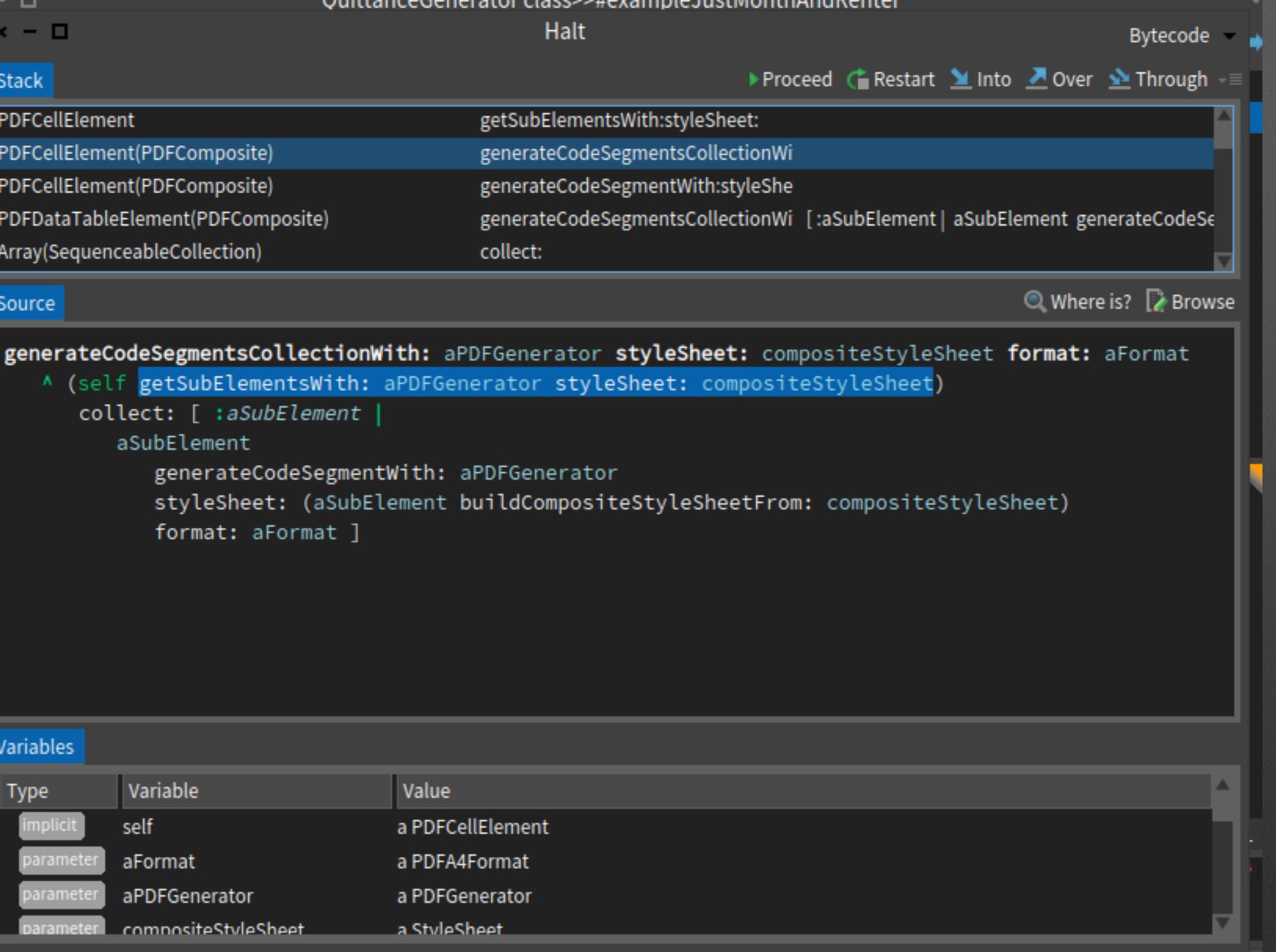
	Ha
Stack	
PDFCellElement	getSubEle
PDFCellElement(PDFComposite)	generateC
PDFCellElement(PDFComposite)	generateC
PDFDataTableElement(PDFComposit	e) generateC
Array(SequenceableCollection)	collect:

Source

A (self getSubElementsWith: aPDFGenerator styleSheet: compositeStyleSheet) collect: [:aSubElement aSubElement generateCodeSegmentWith: aPDFGenerator format: aFormat]

Variables

Туре	Variable	Value
implicit	self	a PDFCellElement
parameter	aFormat	a PDFA4Format
parameter	aPDFGenerator	a PDFGenerator
parameter	comnositeStyleSheet	a StyleSheet
	dimension: 80 mm @ 20	mm;



× – 🗆	d
Parser Stack	🔰 Through Action 🔰 Into Reduce 🔰 Next Toke
Symbol	Value
Expression ")" "{" StatementList "(" "function"	a JSUnaryExpressionNode {)(238498,238498,#(23))} {{(238499,238499,#(25))} an OrderedCollection(a JSExpressionStatementNode a JSE {((238678,238678,#(28))} {function(238679,238686,#(53 82))}
Identifieropt "(" FormalParameterListopt ")" "{" SourceElements	nil {((238687,238687,#(28))} an Array(an OrderedCollection() an OrderedCollection()) {)(238688,238688,#(23))} {{(238689,238689,#(25))} an OrderedCollection(a JSVariableStatementNode a JSVari
MemberExpression	a JSNameExpressionNode {.(274447,274447,#(38))}

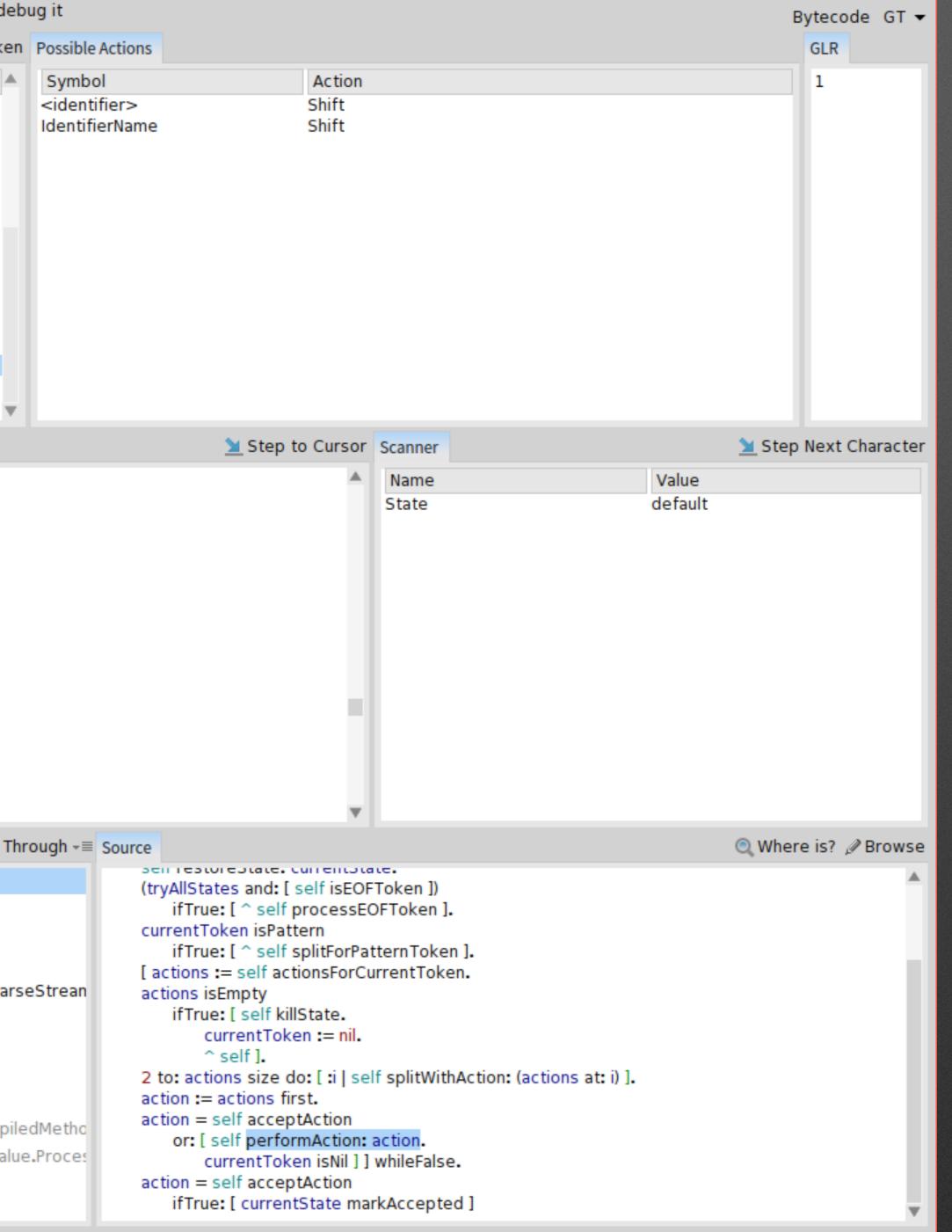
Input

```
return t._stash(this); // dojo.NodeList
}
}
inl.events = [
    // summary:
    // list of all DOM events used in NodeList
    "blur", "focus", "change", "click", "error", "keydown", "keypress",
    "keyup", "load", "mousedown", "mouseenter", "mouseleave", "mousemove",
    "mouseout", "mouseover", "mouseup", "submit"
];
```

// FIXME: pseudo-doc the above automatically generated on-event functions

// syntactic sugar for DOM events
d.forEach(nl.events, function(evt){

Stack	🕨 Proceed 🏫 Restart 놀 Into 🥕	Over 验 Thro
JSParser(SmaCCGLRParser)	performParsingStep	
JSParser(SmaCCGLRParser)	performParsingLoop	
JSParser(SmaCCParser)	parse	
JSParser class(SmaCCParser class)	parseStream:startingAt:	
JSParser class(SmaCCParser class)	parseFile:	[self parse
BlockClosure	ensure:	
JSParser class(SmaCCParser class)	parseFile:	
UndefinedObject	Dolt	
CompiledMethod	valueWithReceiver:arguments:	
RubSmalltalkEditor	debug:receiver:in:	[aCompile
BlockClosure	newProcess	[self value



Since may 2008

Pharo 7.0 - Nov 2018 ... 63 contributors - 111 Forks. Pharo 5.0 - Apr 2016 90 commiters (1600 issues closed) Pharo 3.0 - Apr 2013 (2364 issues closed) Pharo 2.0 - Apr 2013 (1727 issues closed) Pharo 1.4 - Apr 2012 (860 updates) Pharo 1.3 (700 updates) Pharo 1.2 - mar 2011 (500 updates) Pharo 1.1 - jul 2010 (410 updates)

- Pharo 6.0 Apr 2017 100 commiters (1700 issues closed)
- Pharo 4.0 Apr 2015 70 commiters (1271 issues closed...)





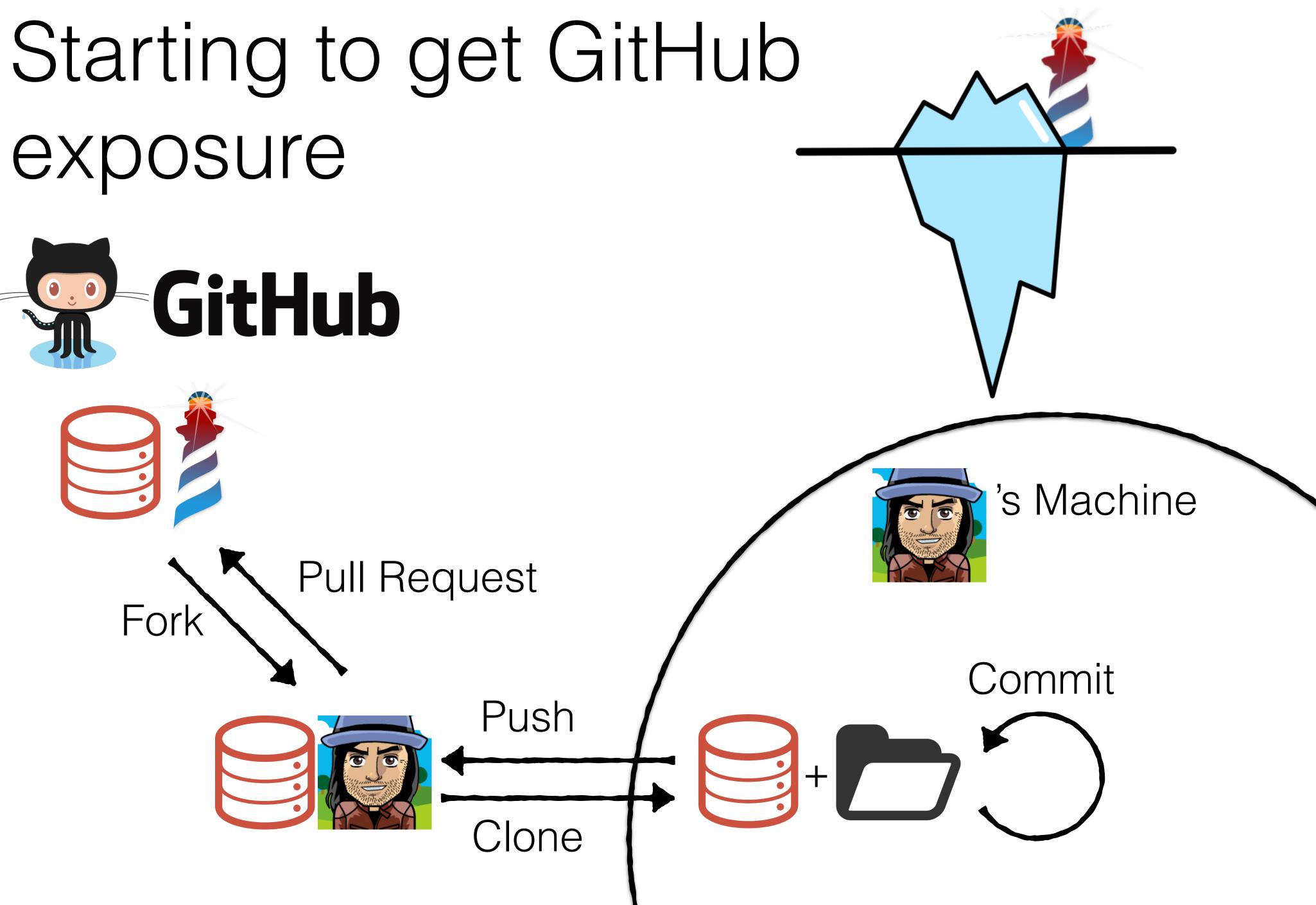
Pharo is our vehicle We improve it everyday

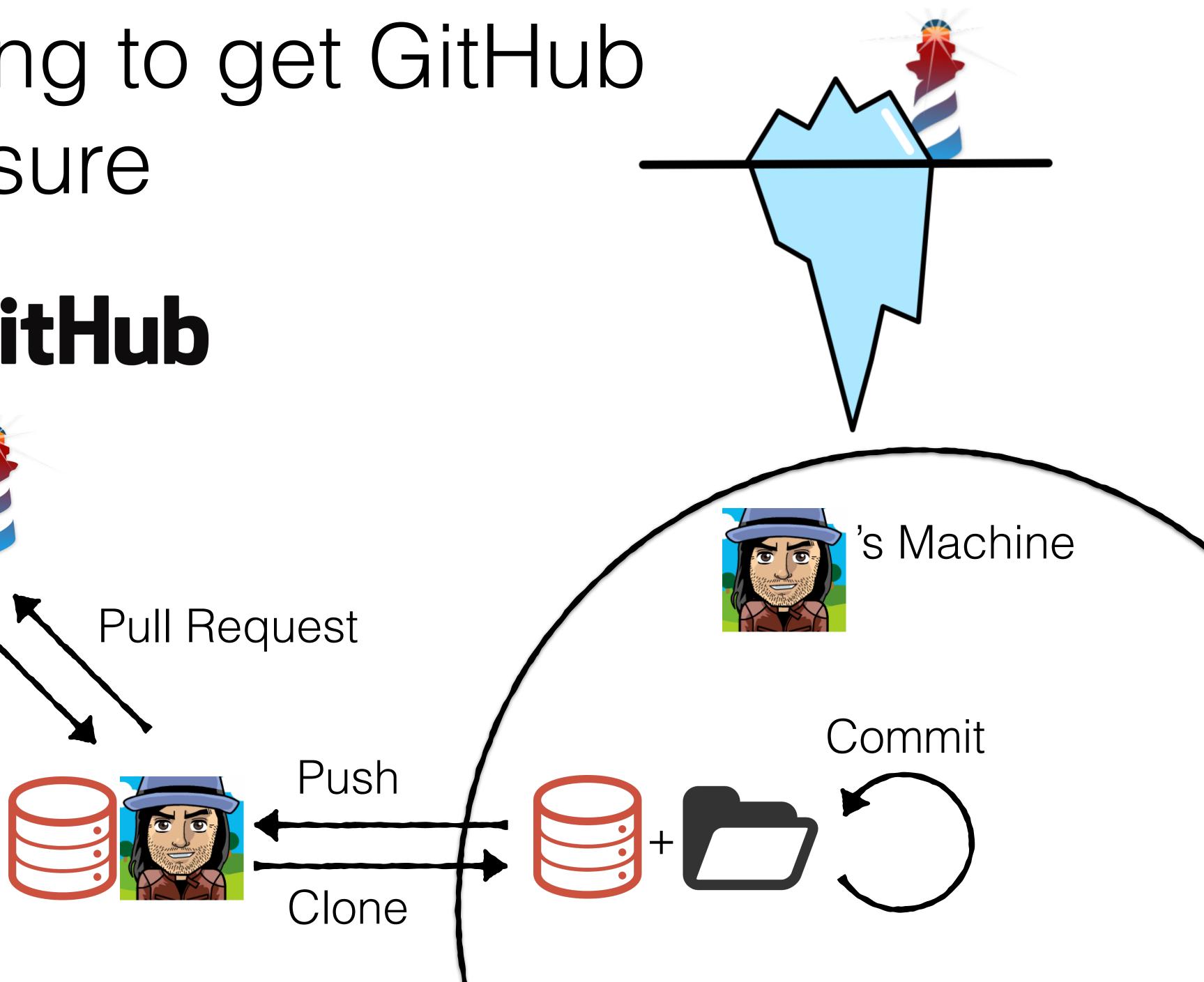
1.00 WAR DE AN DE ST SIEMENS 5-

exposure











Of course not everything is perfect :) But it feels like





Pharo

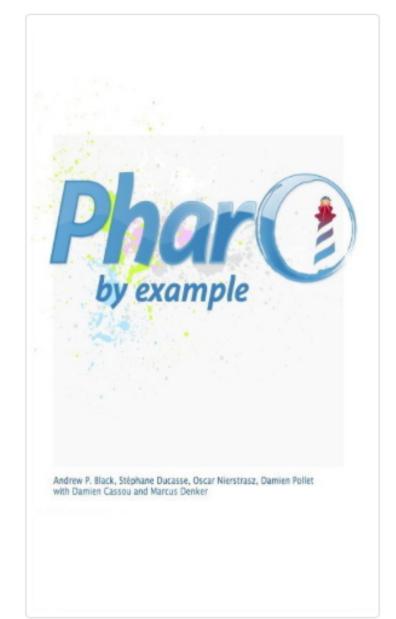
P

Pharo Books

Pharo is a clean, innovative, open-source, live-programming environment.

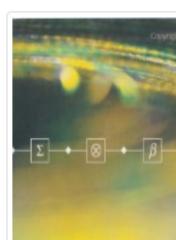
Contribute to the SquareBracketsAssociates community free books https://github.com/SquareBracketAssociates/

Access the book compilation farm!



Pharo by Example, intended for both students and developers, will guide you gently through the Pharo language and environment by means of a series of examples and exercises.

View details »





ALEXANDRE BERGEL - DAMIEN CASSOU STÉPHANE DUCASSE - JANNIK LAVAL

Foreword by Dave THOMAS

Deep into Pharo is the second volume of a series of books covering Pharo. Whereas the first volume is intended for newcomers, this second volume covers deeper topics.

View details »

TinyBlog: Un Tutorial Web en Pharo



Damien Cassou Stéphane Ducasse Luc Fabresse Johan Fabry Sven Van Caekenberghe and many others



Enterprise Pharo is the third volume of the series. This book covers libraries and frameworks for enterprises, and in particular those doing web development.

View details »







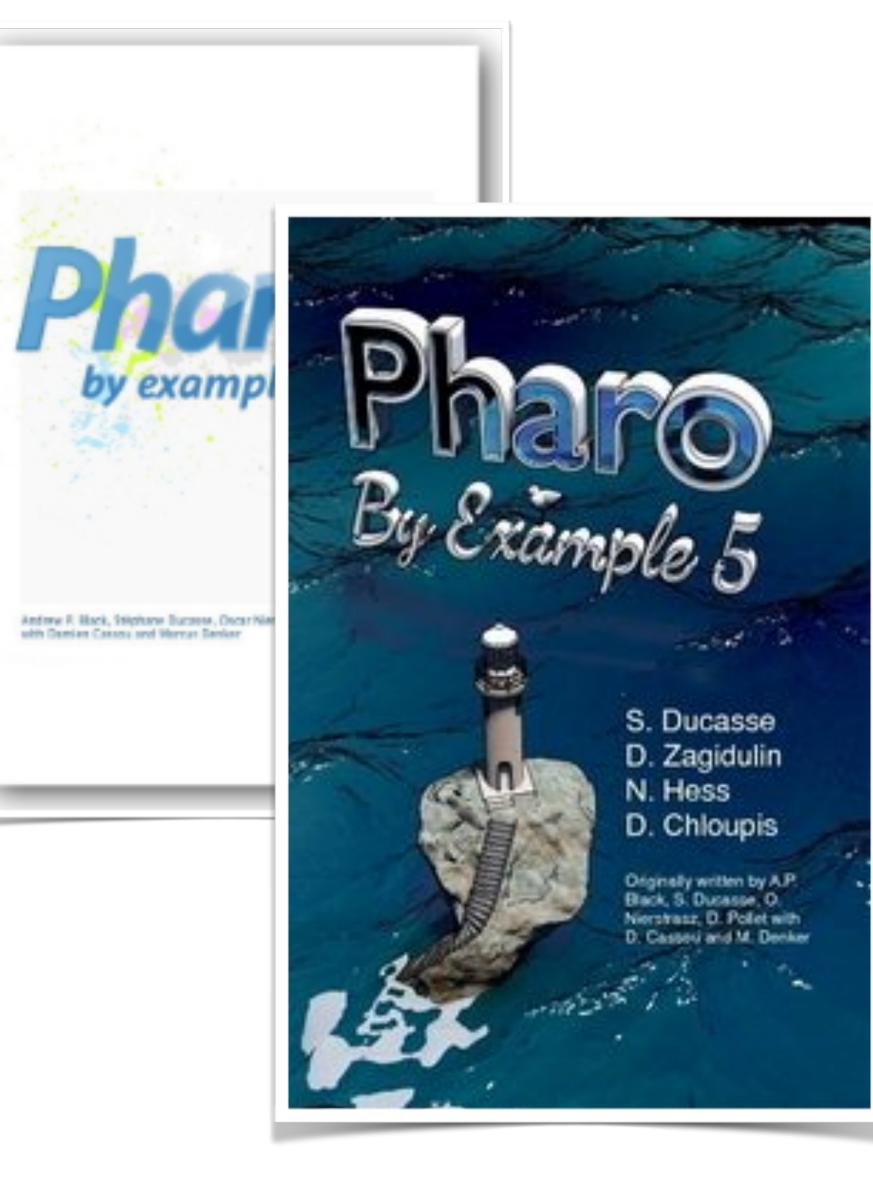
NOV OD 0017 EDUADO 7 041 NEVT ENUANOEMENTO O

Pharo by Example

* http://books.pharo.org

- * translated to french, merci!
- * translated to spanish, gracias!
- * translated to japanese, ありがとう!
- Currently updated to Pharo 50

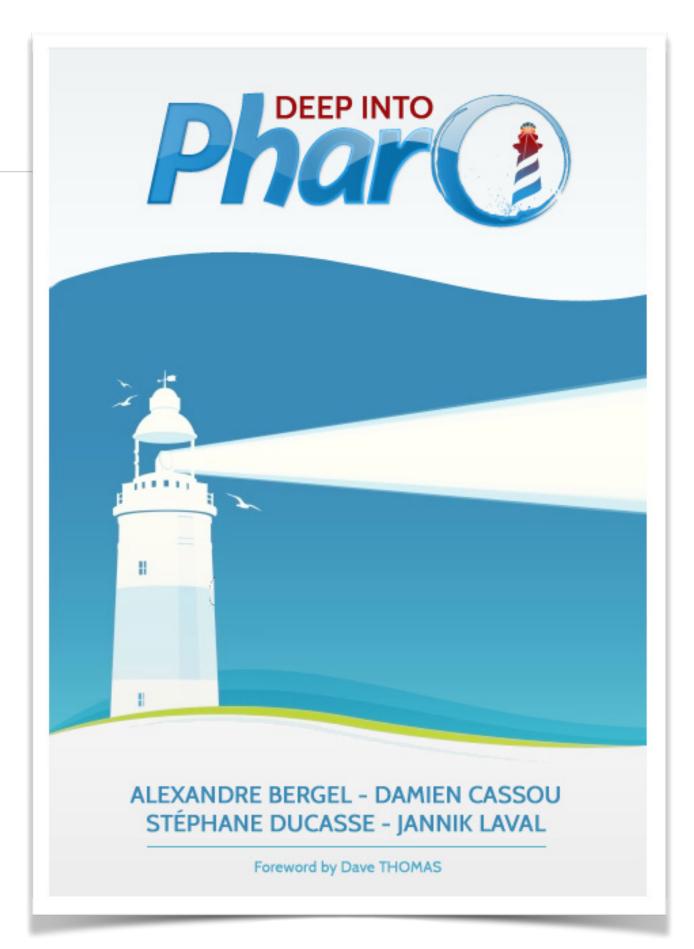
erci! gracias! , ありがとう! aro 50





Deep into Pharo

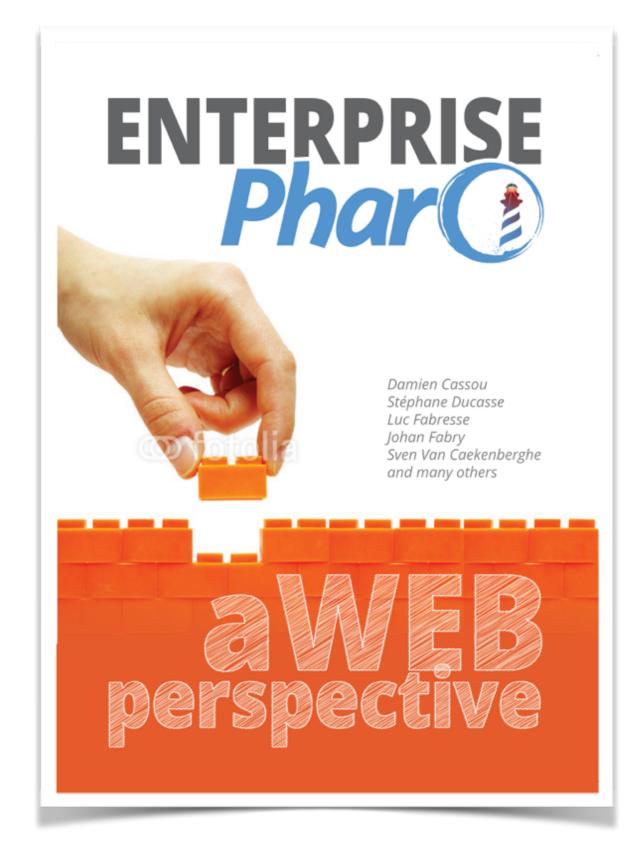
http://books.pharo.org
http://books.pharo.org
Some advanced topics
Libraries
Core language
* Tools





Entreprise Pharo

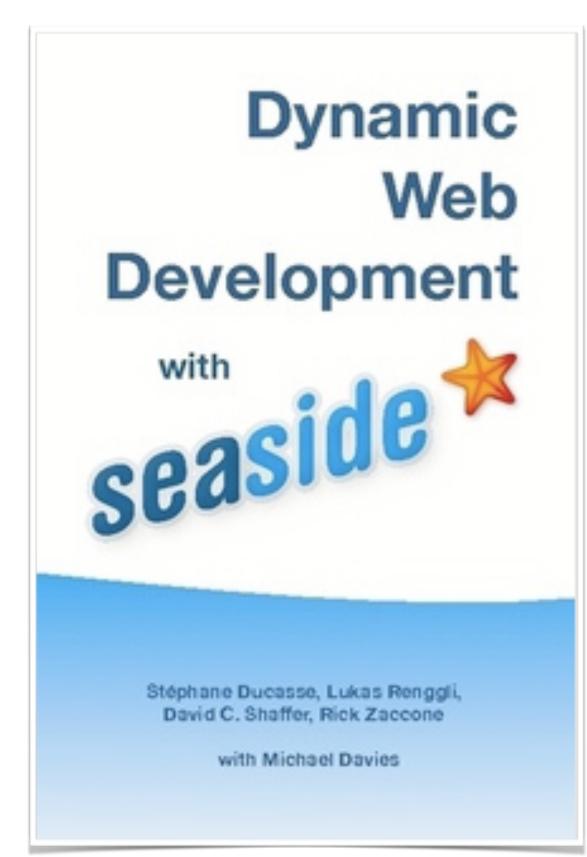
* http://books.pharo.org *Web related * Encodings, * Mustache **#JSON** *WebSockets *****HTTP/HTTPS





Dynamic Web with Seaside

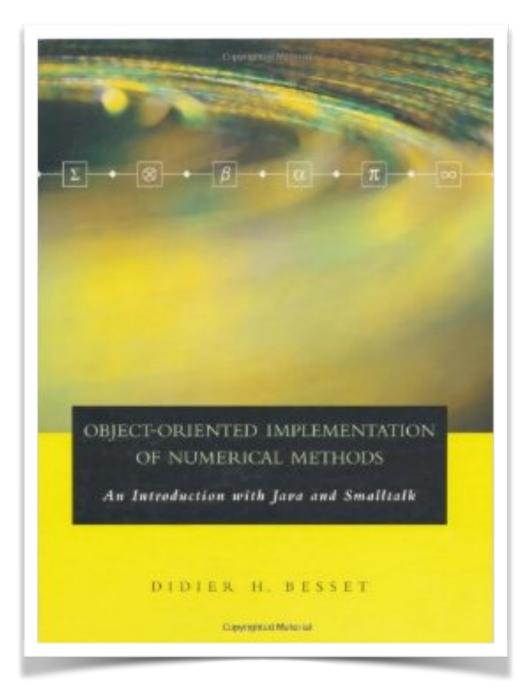
* http://book.seaside.st
* Full framework explained
* DSL + Call:/answer:
* Automatic form generation
* Deployment





Numerical Methods

* https://github.com/ SquareBracketAssociates/ NumericalMethods Data mining *Clustering #Iterative algorithms *Series Statistical analysis







Fun, simple Pure & elegant Productive Empowering Addictive Full access

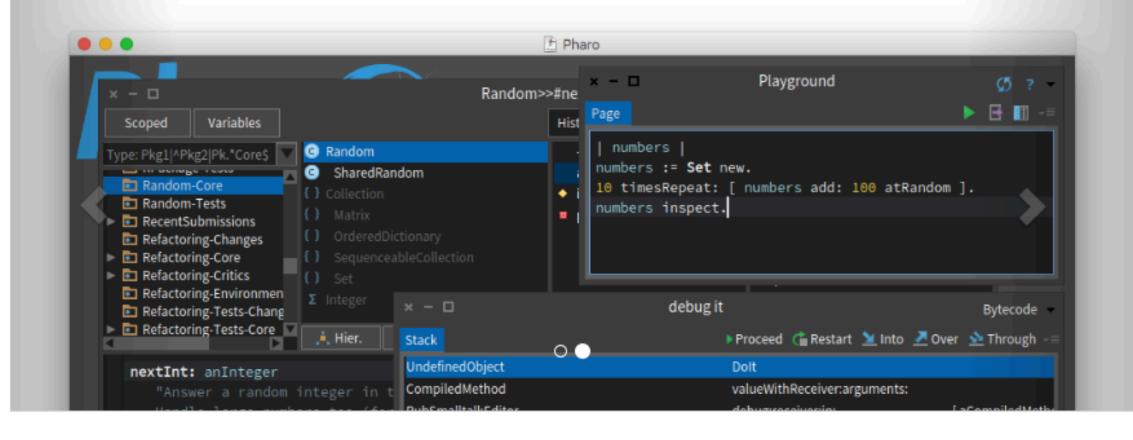
Try Pharo now!

http://pharo.org/download

Phar 🕑

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).



News Download Documentation Community Contribute Stories About

