

wakanda

JS.everywhere()



ティボウ・アルギエール

シニア・ソフトウェア・エバンジェリスト

富田 恵美子



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Home Features Blog Forum Documentation Downloads

An open source platform for building business web applications with nothing but JavaScript

Wakanday: JavaScript Everywhere with Wakanda

Download latest release
Wakanda Developer Preview 2 build 57609
Released October 15, 2011

What's new?

- Users & Groups management
- Widget resizing
- Edit keyboard shortcuts

Release notes >

You must accept the evaluation license before downloading Wakanda.

Get Wakanda for Mac

More downloads >

See more videos [here](#).

"They [Wakanda] have every single part of the stack figured out... It may well be the thing for you... A very interesting, very promising project."

Peter Cooper, The JavaScript Show

Our Goals

To offer a unified stack running on JavaScript from end-to-end, and thus speed up and simplify your development with:

- ▶ Visually designed database classes, models and UI
- ▶ A persistent connection between interface and data via REST and JSON
- ▶ Effortless control of business rules through SSJS
- ▶ A flexible HTML5 framework for deployment across multiple targets

Sign up to receive the Wakanda newsletter. **Submit**

What's in Wakanda?

- Wakanda® Server**
A fast, faceless HTTP server with a database and database engine
- Wakanda® Studio**
Visual database and front-end design tools and code editor
- Wakanda® Framework**
Widgets and the fast, standards-based datatables that feed them

Read more about all of Wakanda's features >

Wakanda DP2 is here!

At the Wakanday "JavaScript Everywhere" conference in Boston today, 4D, Inc. announced the release of its public Developer Preview 2 of Wakanda, the first end-to-end JavaScript Web and mobile application development platform that allows developers to increase their productivity, building business applications efficiently and quickly.

Read the press release >
Download IDC white paper >
Download now Wakanda DP2 >

Wakanda is Hiring

Come work for an international company with the heart of a startup and 25 years of software development experience. Wakanda is looking to expand its team in Paris and Silicon Valley.

Join us >

Quick Start

In just the time it takes for you to read the Quick Start guide, you can be up and running with your first Wakanda project. Learn the basics of Wakanda development.

Get it on the Wakanda doc site >

Help us build Wakanda

JavaScript object:
In the case of a bar menu, you can use this code:
Code:
location.href =
+ Reply to Thread

Someone that will help.

What do you like? What's missing? What would you like to see more of? The Wakanda team will listen closely to your feedback so you can help determine the final release.

Be heard in the forum >

Watch the teasers

Fresh from the blog
October 15, 2011

Wakanda DP2 is now available

The second Developer Preview release of Wakanda is now available, as announced at the Wakanday conference in Boston, Massachusetts.

Read more >

Wakanda tweets

- wakandart
RT @gabrielmartin: Got my picture with Douglas Crookford thanks to @jimmyduz. Best Conference. Ever! ID #wakanday http://t.co/CdGpRzrf
13 days ago · reply · retweet · favorite
- wakandart
RT @tammyncs11: @redder @vander miren esis, parice ois frameworks de sockets al estilo nodejs http://t.co/pnd3SP6
9 days ago · reply · retweet · favorite
- wakandart
RT @wakanday: 2 more videos of

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Wakanda



ビジネス Web アプリケーション

ExtJS

Flex

.NET

Acegi

Silverlight

JSP

Symfony

HTTP

Aptana

ATOM

SSL

Visual

Eclipse

Java

C++

Hibernate

C#

Varnish

Tomcat

JUnit

REST

IIS

Zend

PHP

Oracle

Apache

GWT

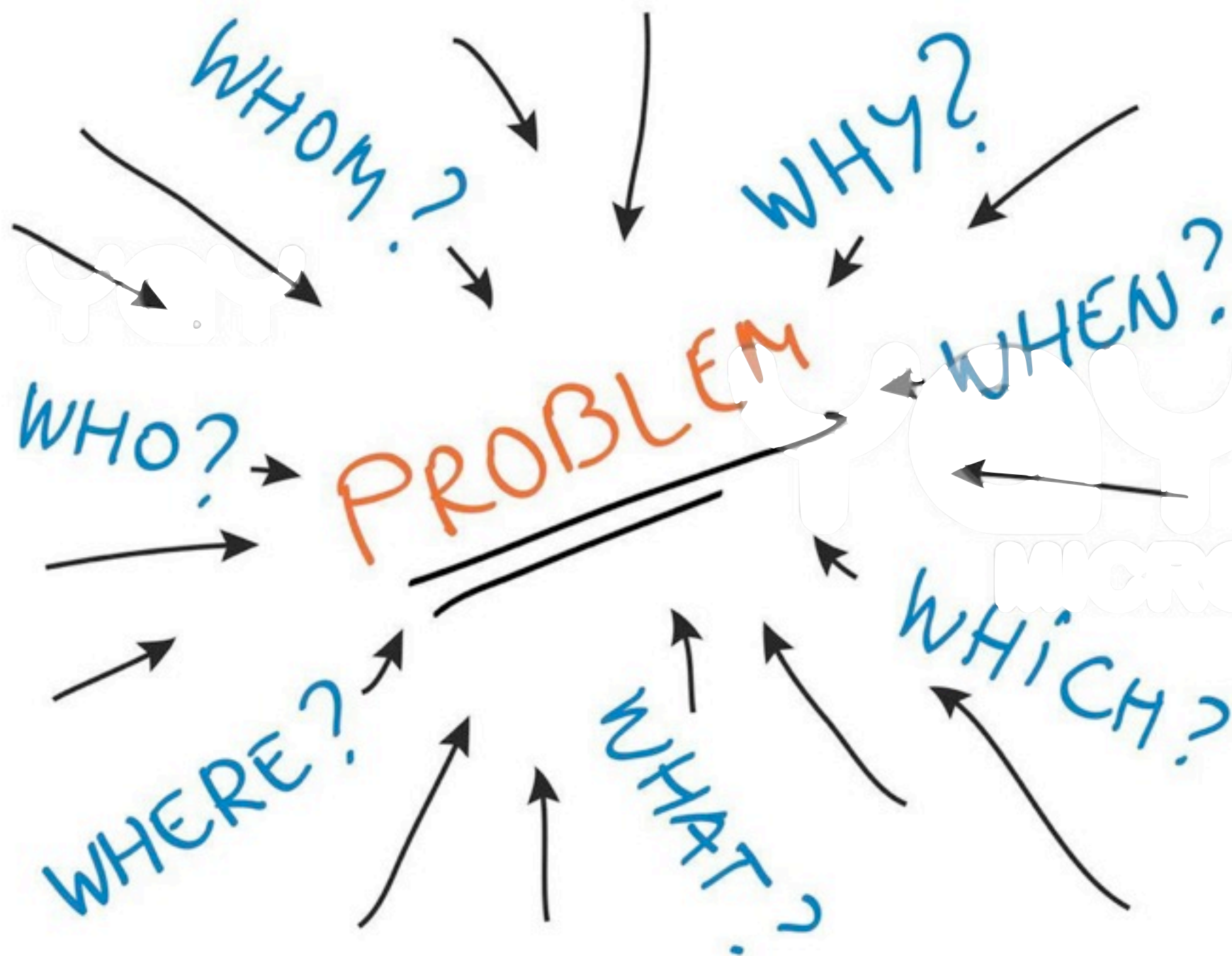
Spring

SQL Server

MySQL

JSON





Wakanda

秘められた魔法



Wakanda

モデル駆動型Webベース
アプリケーションのための
クロスプラットフォーム
開発・配布システム



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たった一つの言語

JS

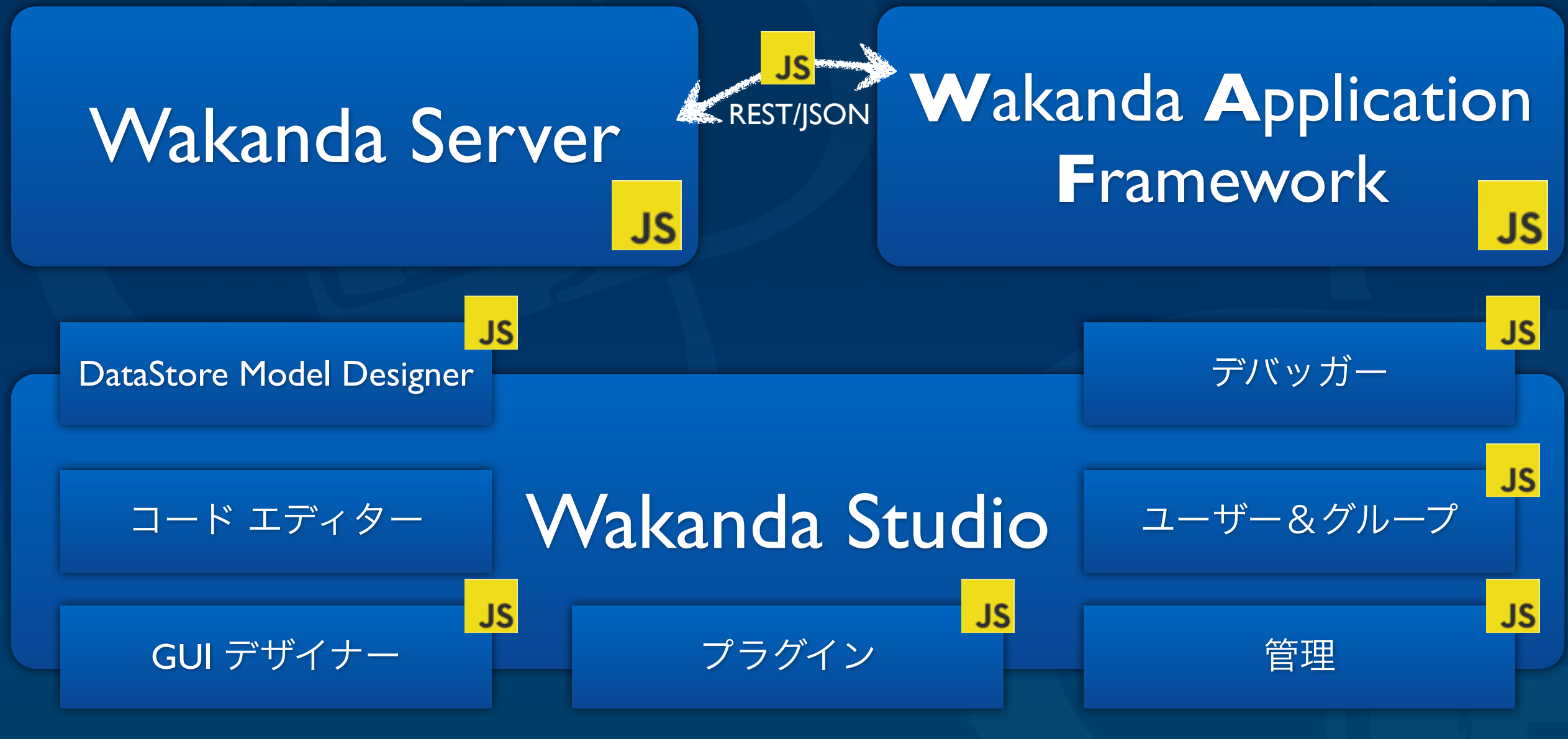
JavaScript

JS



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入門編



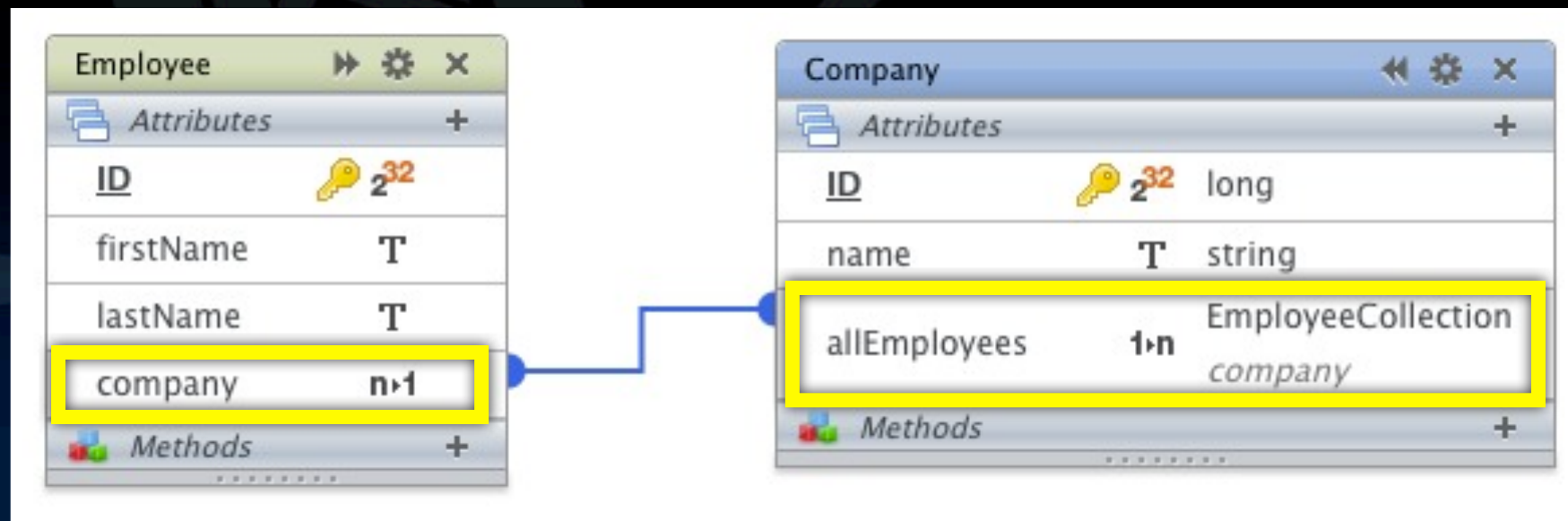
Wakanda

モデル駆動型



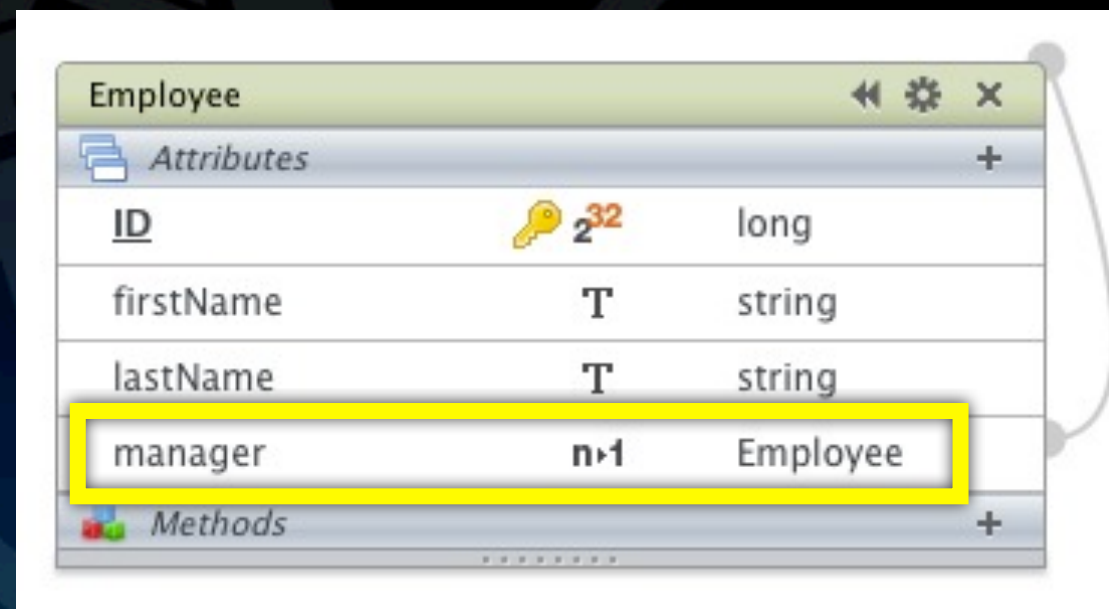
モデル駆動型

リレーション



モデル駆動型

再帰リレーション



The screenshot shows a software development environment window titled "Employee". It displays the "Attributes" section of an entity. The attributes listed are:

Attribute	Cardinality	Type
<u>ID</u>	2 ³²	long
firstName	T	string
lastName	T	string
manager	n>1	Employee


The "manager" attribute is highlighted with a yellow rectangle, indicating a recursive relationship where an employee can be a manager of other employees. The "Methods" section is also visible at the bottom of the window.




モデル駆動型







N対N リレーション











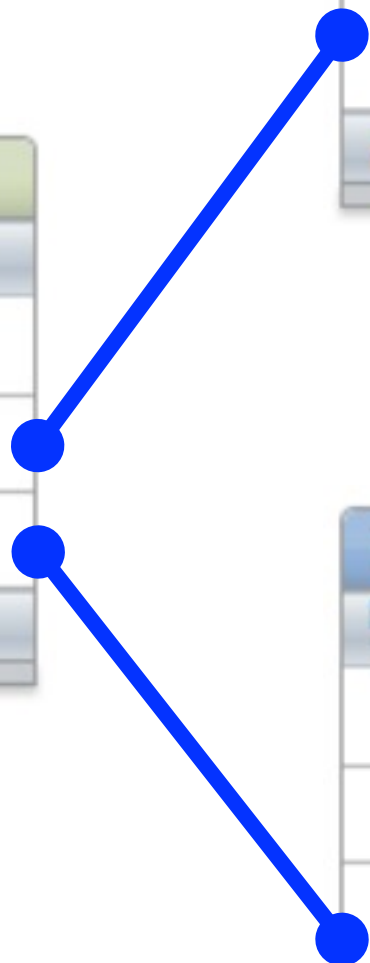
Person			
Attributes			+
<u>ID</u>	 2 ³²	long	
firstName	T	string	
lastName	T	string	
Methods			+

Conference			
Attributes			+
<u>ID</u>	 2 ³²	long	
title	T	string	
Methods			+


Attendee			⏪ ⚙ ×
Attributes			+
<u>ID</u>	 2 ³²	long	
person	n→1	Person	
conference	n→1	Conference	
Methods			+




Person			  
 Attributes			+
<u>ID</u>	 2 ³²	long	
firstName	T	string	
lastName	T	string	
allAttendees	1→n	AttendeeCollection person	
 Methods			+

Conference			  
 Attributes			
<u>ID</u>	 2 ³²	long	
title	T	string	
allAttendees	1→n	AttendeeCollection conference	
 Methods			



Attendee			
Attributes			
<u>ID</u>	2 ³²	long	
person	n→1	Person	
conference	n→1	Conference	
Methods			

Person			
Attributes			
<u>ID</u>	 2 ³²	long	
firstName	T	string	
lastName	T	string	
allAttendees	1..n	AttendeeCollection	person
allConferences	1..n	allAttendees.conference	
Methods			

Conference			⏮ ⚙ ✕
 Attributes			+
<u>ID</u>	 2 ³²	long	
title	T	string	
allAttendees	1→n	AttendeeCollection conference	
allPeople	1→n	allAttendees.person	
 Methods			+

Wakanda / 4D



Wakanda / 4D

open4DBase()

データストア **open4DBase**(ファイル **structure4D**, ファイル **data4D**)

引数	タイプ	説明
structure4D	ファイル	4Dデータベースストラクチャファイルの参照
data4D	ファイル	4Dデータベースデータファイルの参照
返り値	データストア	一時的なデータストアオブジェクト



Wakanda / 4D



XMLHttpRequest

+

4DSYNC



HTTPクライアント

+

データサービス



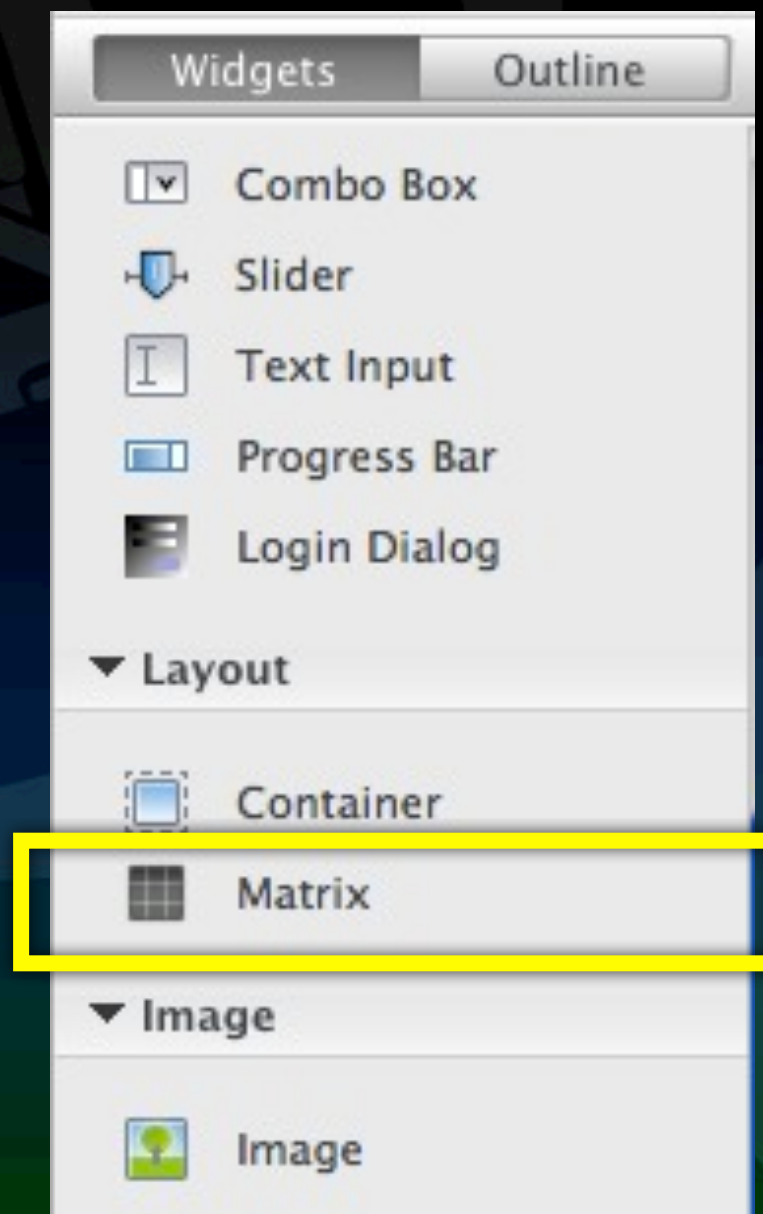
ユーザーインターフェース

マトリクス



ユーザーインターフェース

マトリクス





コミュニティ

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ありがとうございます!

