

# **Introducing**

# **Eclipse Orion**

## **Software Development in the Browser**

Martin Lippert, VMware  
[mlippert@vmware.com](mailto:mlippert@vmware.com), @martinlippert

# about me



## **Martin Lippert**

Staff Engineer, R&D, at  
SpringSource/VMware and lead of  
Spring Tool Suite development

### Working areas

- Eclipse Tooling for the Spring platform
- Open Source Committer
- Aspect-Weaving for OSGi
- Cloud IDEs and JavaScript
- Agile software development

# **Eclipse Orion**

„Open Source Platform  
for Cloud Based Development“

This is not the Eclipse IDE in the browser  
This is not the Eclipse RAP project

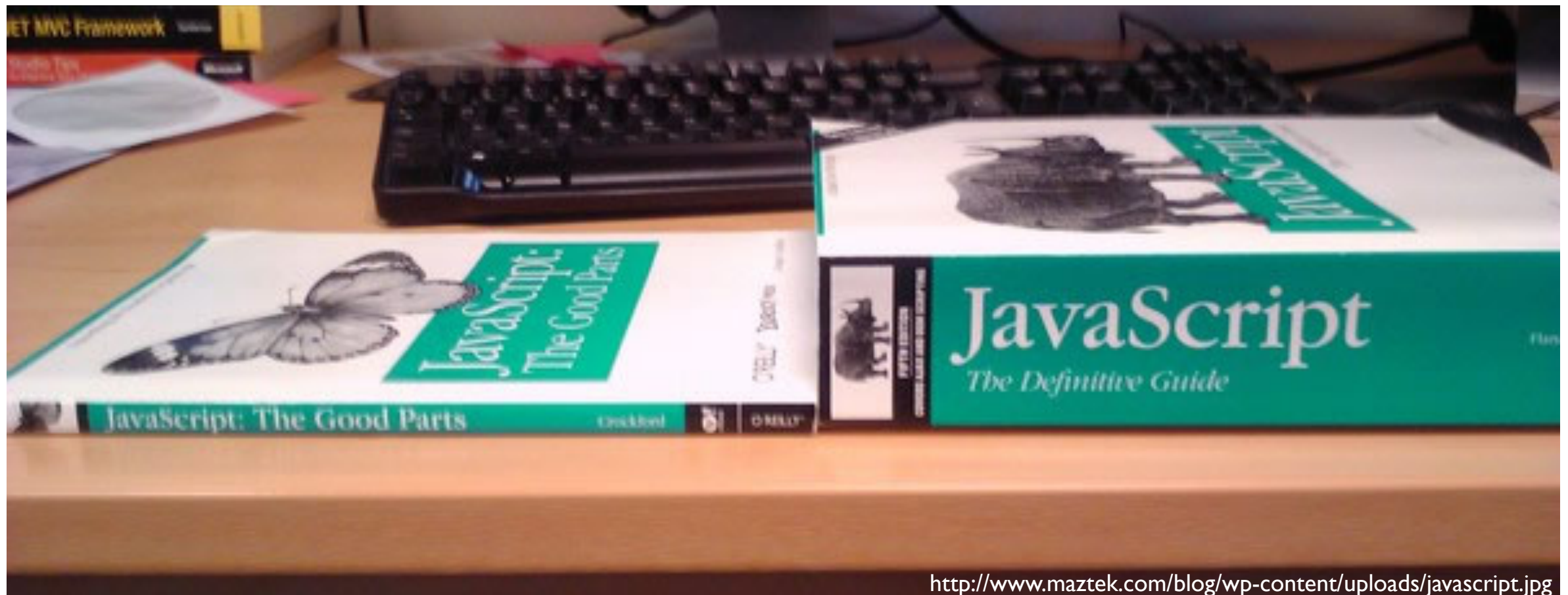
**Why (web | cloud | browser) ?**

# Innovation happens here

## HTML



# The JavaScript Story



# **We are already there**

Bugzilla, Hudson, Jenkins, Bamboo, Jira

GitHub, Gerrit

documentation

(„google“ first) help

Firebug, Web Inspector, Chrome Dev Tools

# Eclipse Orion

provides the missing pieces:

lightweight and ultra-fast editor

file navigation

search

running unit tests



## Eclipse Orion

(all JavaScript client)

navigator

Git integration

site hosting

Editor Component

content assist

folding

JSLint

sign-on

## Eclipse Orion

(hosted or local)

serve JS/HTMS/CSS/files

search

Git integration

sign-on

OSGi (Java)

**Eclipse Orion**

**Now live...**

# Extensibility

client-side extensibility (via plugins)

under the hood:

sandboxed via hidden iframes

puristic API

Orion is very **modular**  
& **re-usable**

e.g.

**Scripted**

a lightweight JavaScript editor  
that runs in your browser

# Not alone...

Cloud 9 IDE

Codenvy

GitHub

TypeScript tooling

...

# Benefits

scalability build-in  
trivial update mechanism  
available from everywhere  
powerful UIs possible  
more open

...

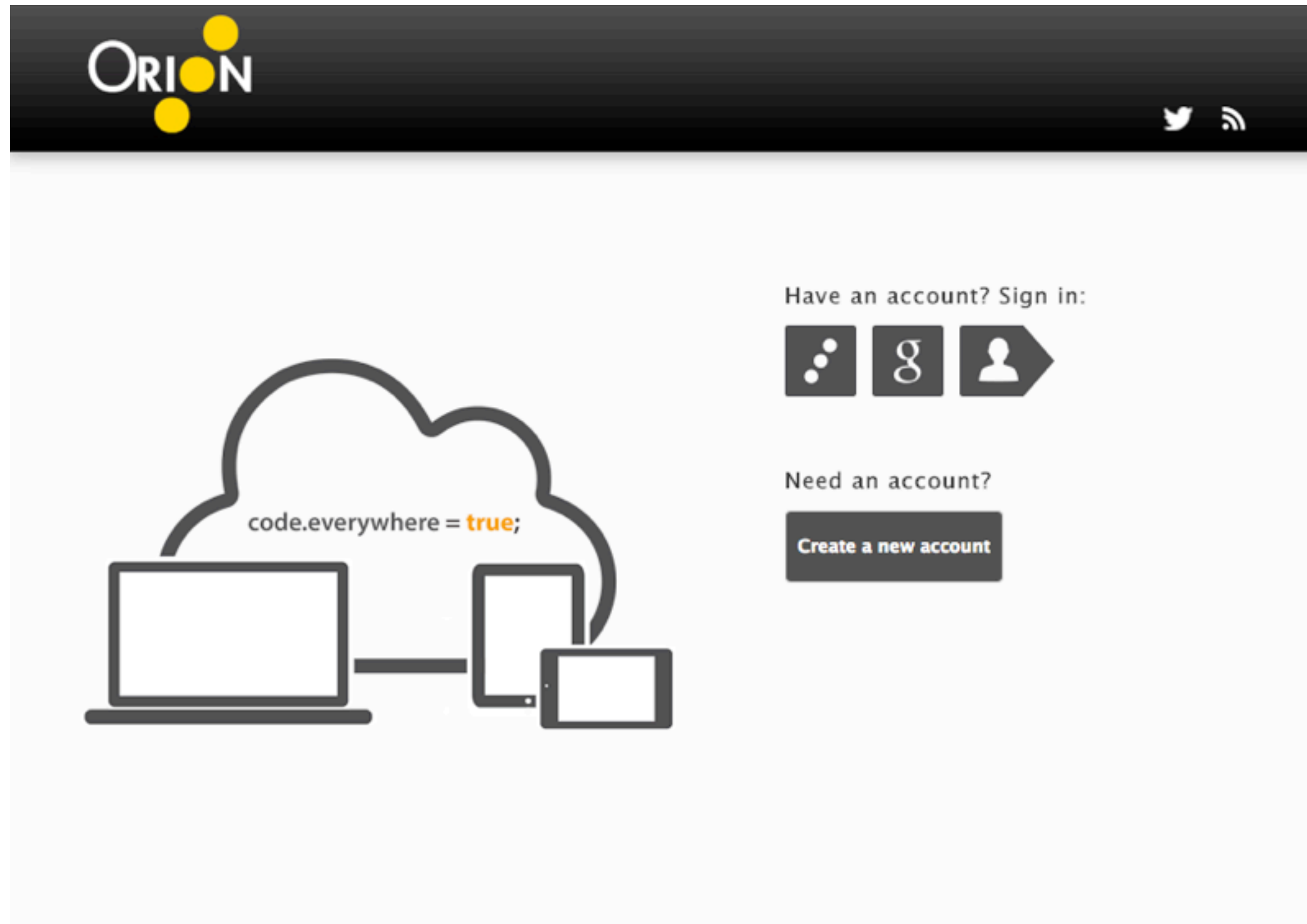
# Challenges

network connectivity - offline mode  
where is my code?

existing tooling not easily transferable  
(today's tools far away from  
usable for day-to-day Java development)

# Give it a try:

<http://orionhub.org>





# Resources

Eclipse Orion

<http://www.eclipse.org/orion/>

OrionHub

<https://orionhub.org/>

Scripted project

<https://github.com/scripted-editor/scripted>

# Q&A

**and thank you for your attention**

Martin Lippert, VMware  
[mlippert@vmware.com](mailto:mlippert@vmware.com), @martinlippert