## Browser & Cloud - The Future of IDEs?

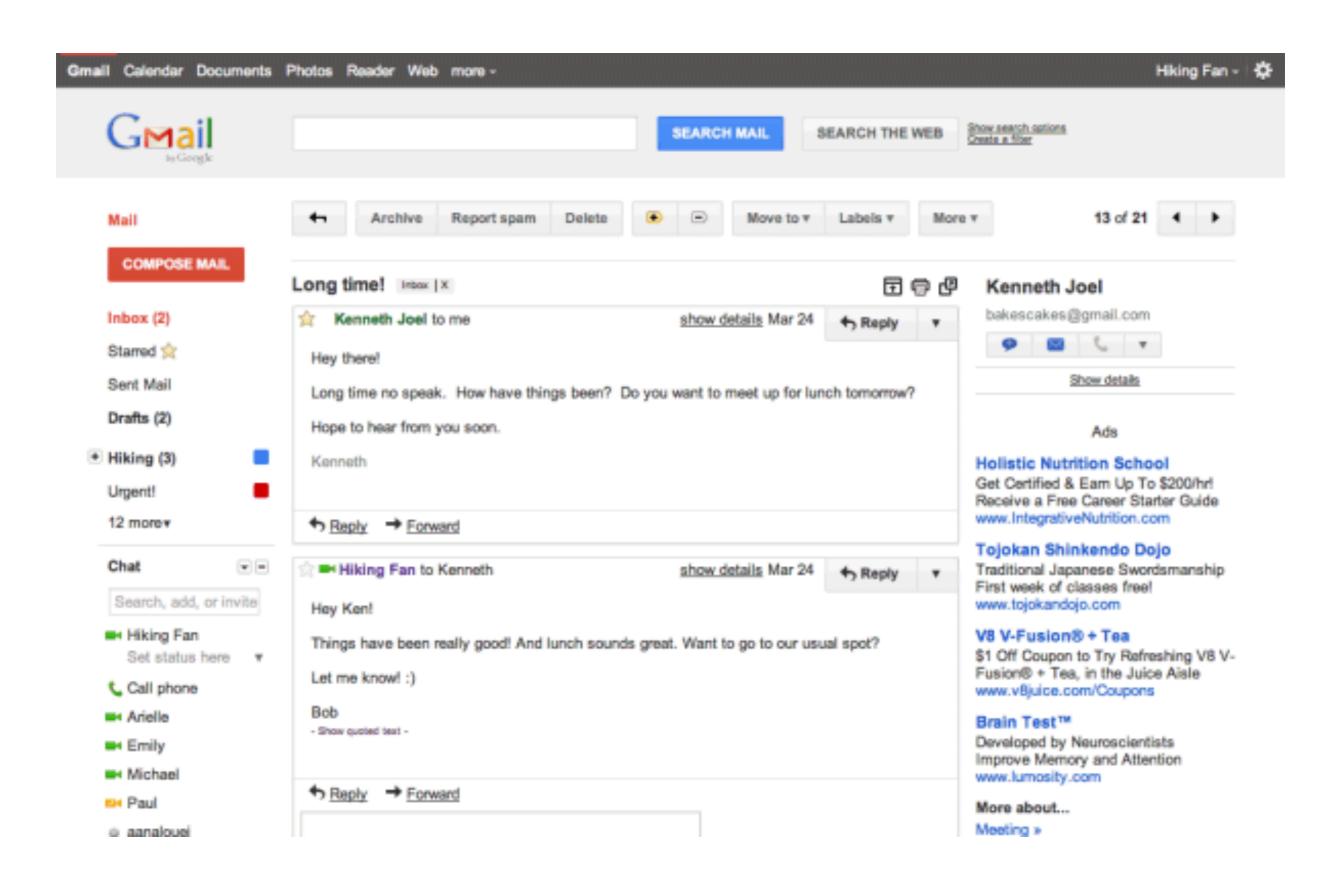
# How will developer tooling look like in the future?

Or

"why is Google able to search the whole web in 10ms and my Eclipse needs 1000ms to open a type hierarchy"

## Everything changed

(in app development)



SIGN IN

velocity 13

SIGN UP

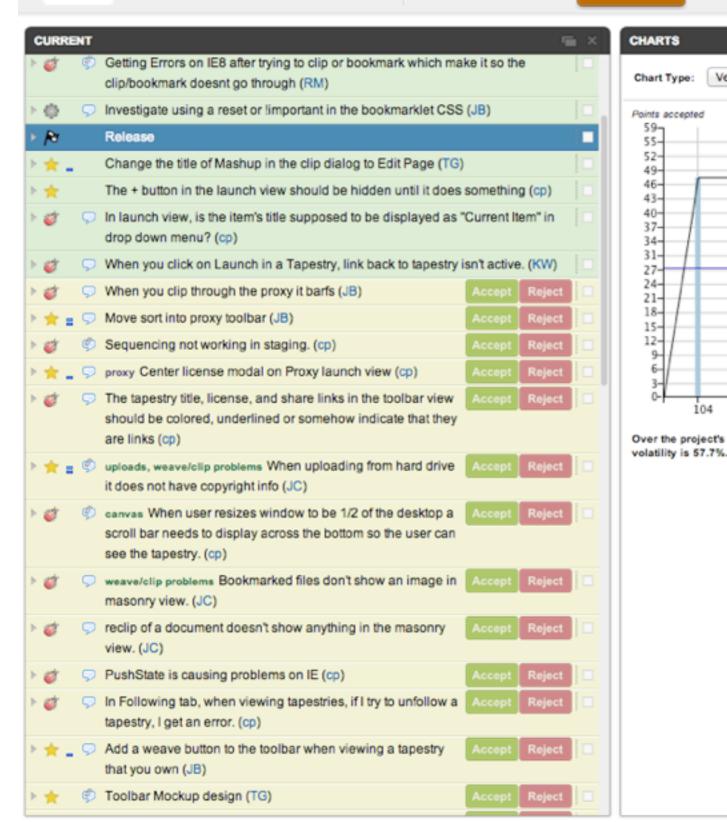
#### PIV OTAL TRACKER

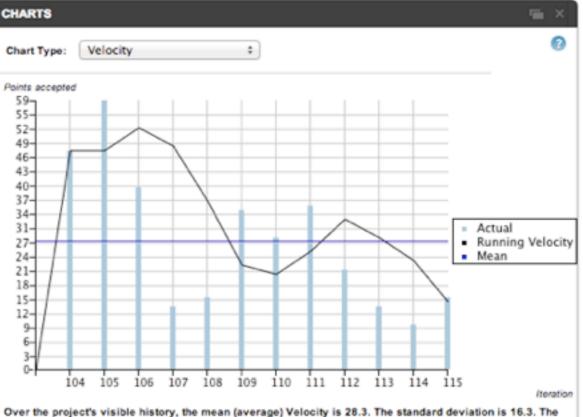
Open Tapestry (Public)

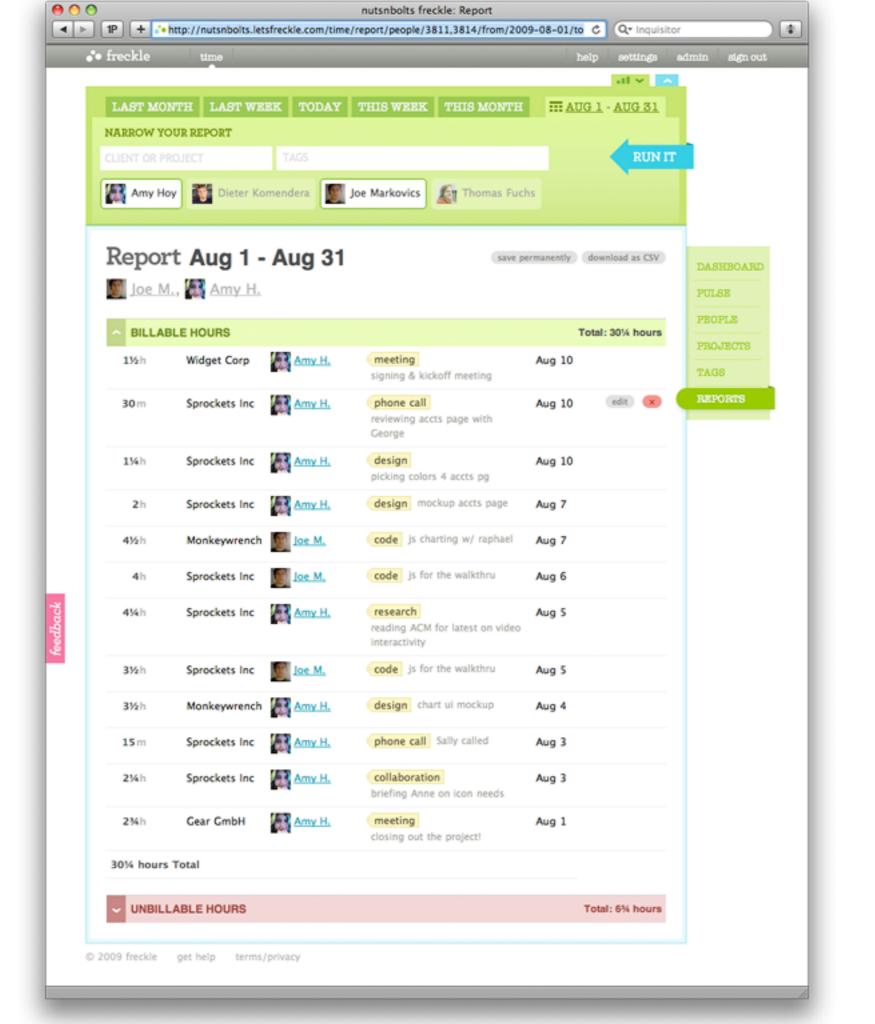
CURRENT BACKLOG ICEBOX EPICS MORE \*

PROJECT \* STORIES \*

JOIN PROJECT

































#### Martin Lippert

@martinlippert

developer tools and runtime technology programmer, lead of STS team at SpringSource, and coach for agile software development Hamburg, Germany - http://www.martinlippert.org/

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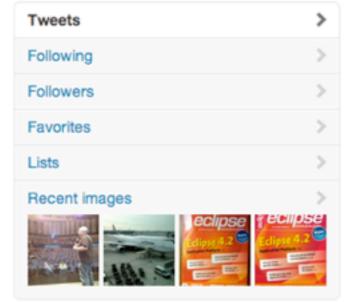
30 Oct

21h

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If you're in Hamburg on November 14th and fancy some cool Eclipse stuff, drop by the Eclipse DemoCamp: bit.ly/NwhUHP

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Dilbert on change management and strategies dilbert.com/strips/comic/2...

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DevOps Borat @DEVOPS\_BORAT

Worst mistake is always happen in batch.

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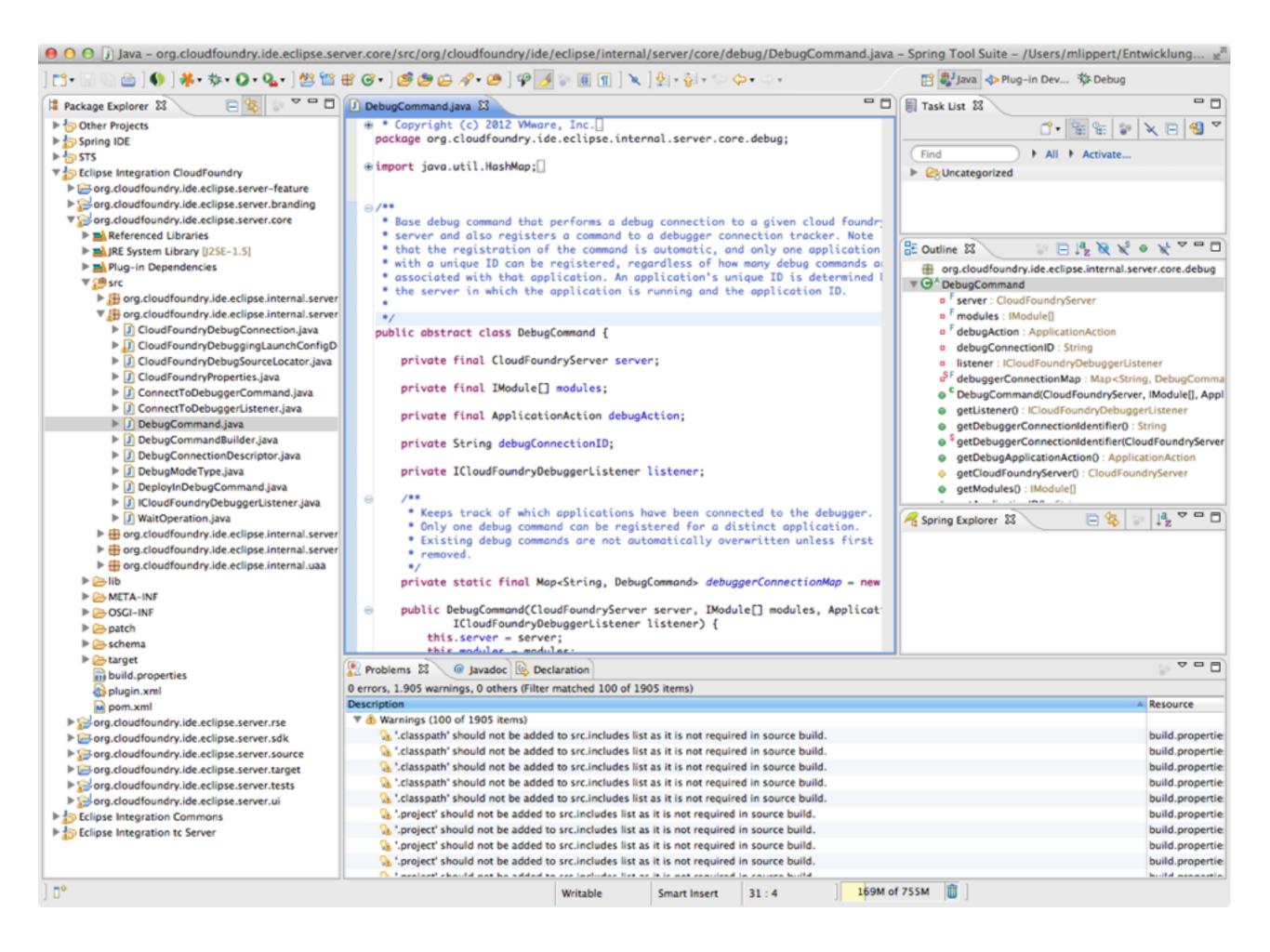
Martin Lippert @martinlippert

29 Sep

23h

wanna see Scripted in action? Join the Eclipse Demo Camp Bonn (Nov 19: wiki.eclipse.org/Eclipse\_DemoCa...) or Hamburg (Nov 14: wiki galinga ara/Ealinga DamoCa \





#### sounds and looks outdated...

big downloads
painful installation
version upgrades awful
plugin installation tedious
incompatibilities among extensions

consumes a lot of resources getting slow for large projects

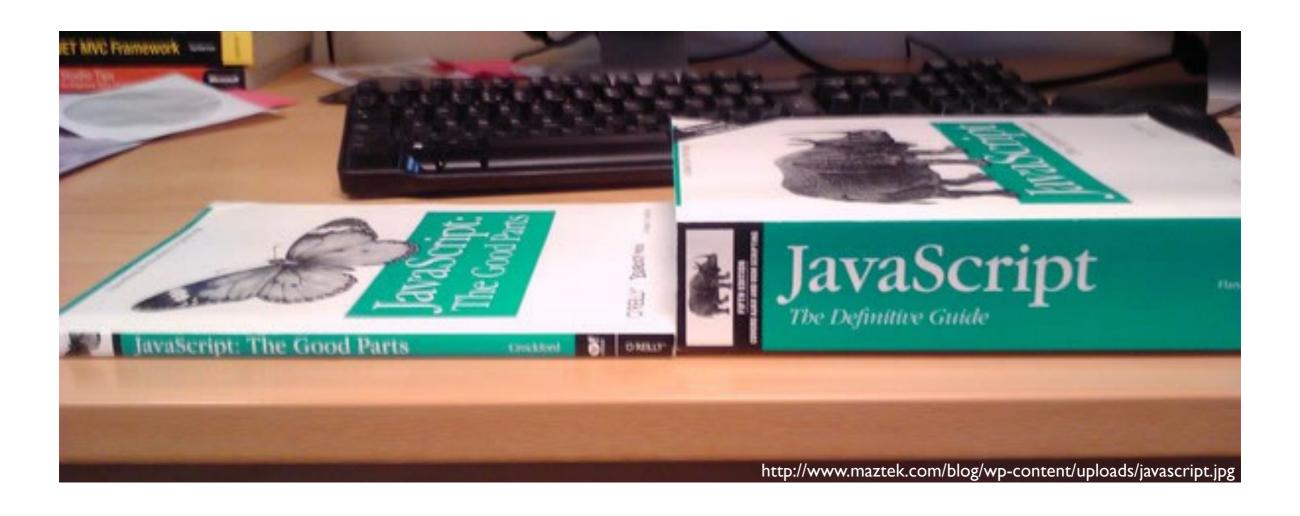
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## So what instead?

### Innovation happens here



#### The JavaScript Story



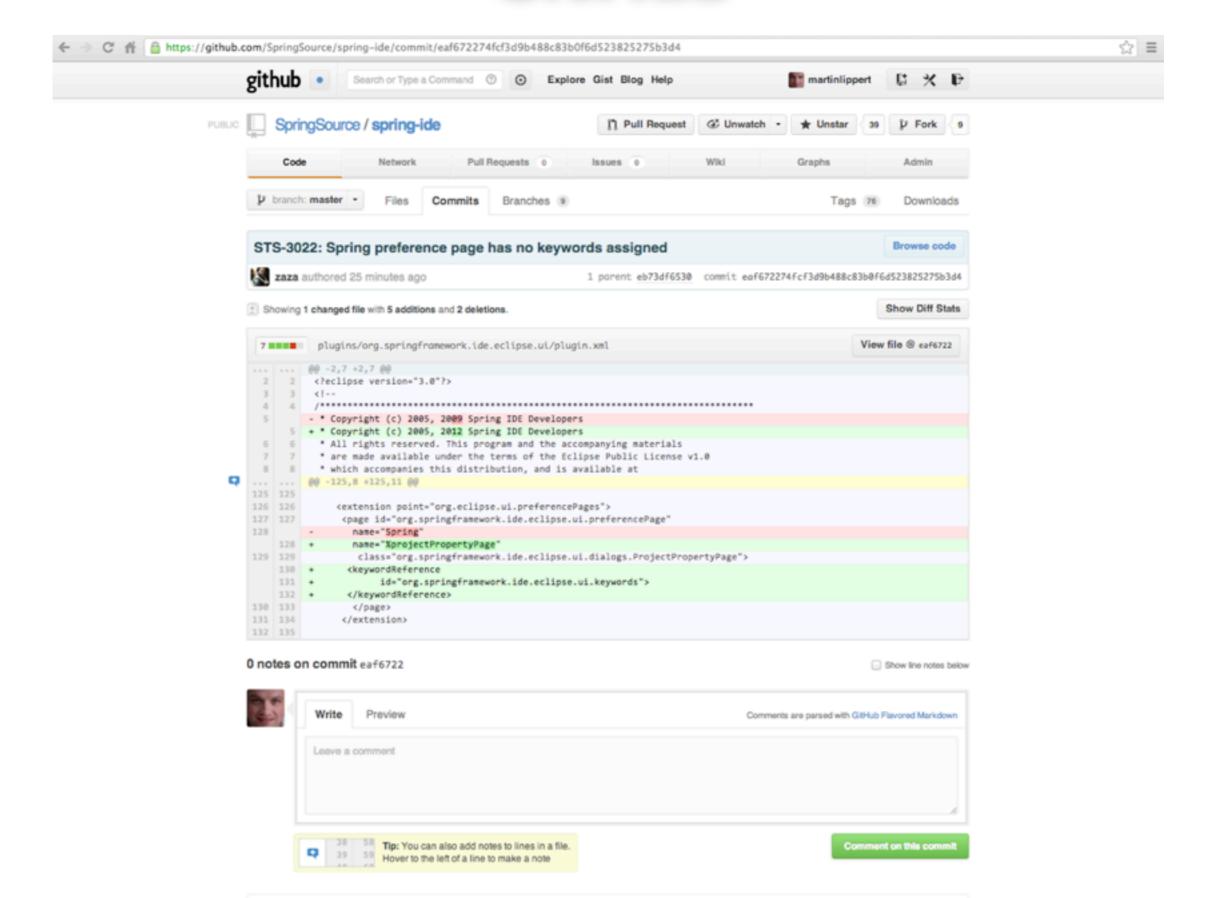
#### **Light Table**



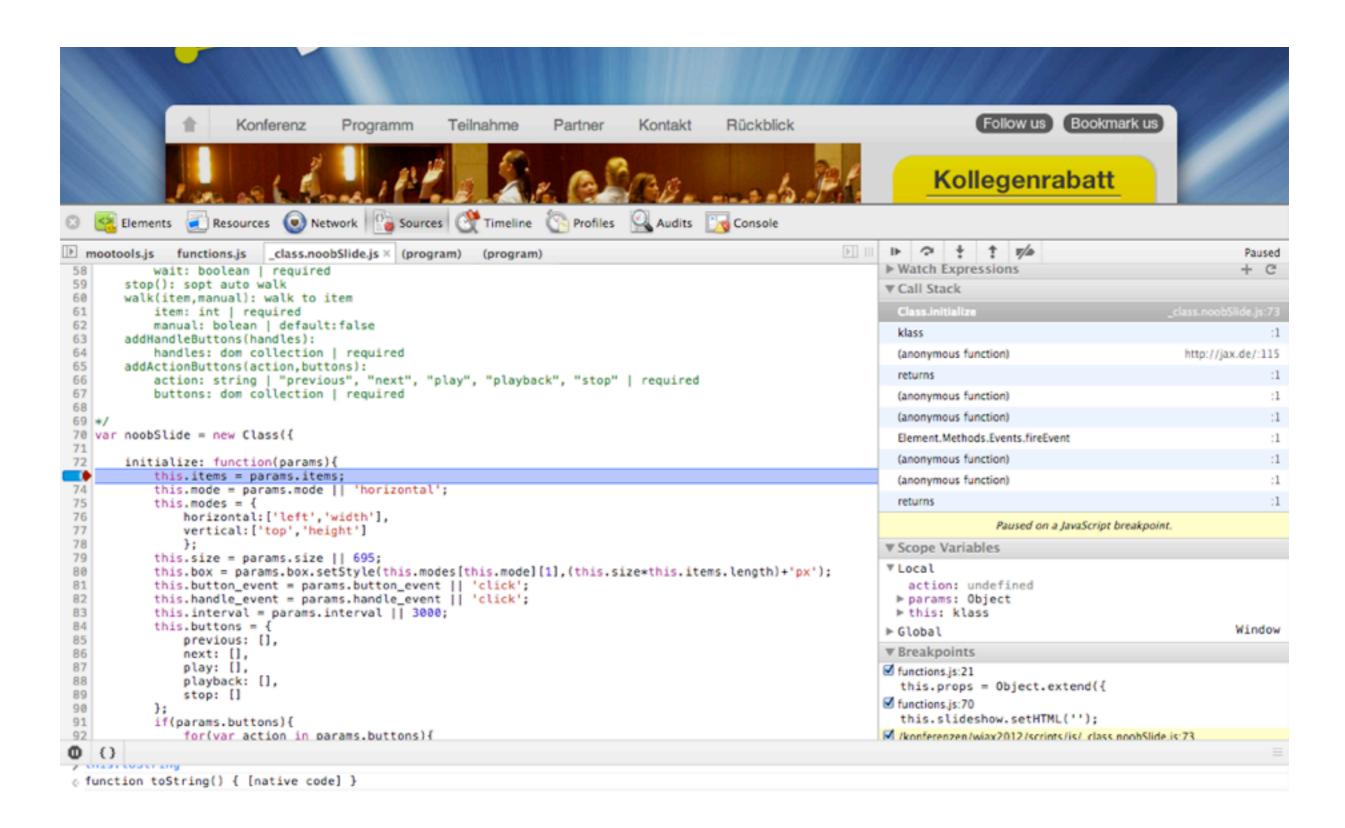
#### **Adobe Brackets**

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                                                                   Brackets
                                                                                index.html
                                                                                                                     Experimental Build
                                   Edit View Navigate
                                                          Debug
                              8 <:--[II LIG IC 0]>
  index.html
                              9 <script type="text/javascript" src="javascript/html5.js"></script>
                                  <![endif]-->
                                  </head>
                             12
                             13
                                  <body>
▶ _notes
                                  <div id="container">
                             15
                                    <header id="logo">
▶ css
                             16
                                        <h1>Citrus Cafe</h1>
  index.html
                                        <h2>Sustainable, organic and natural</h2>
                             17
                             18
                                        19
                                          <a href="#">Home</a>
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                             desktop.css: 56
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                                      width: 140px;
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                                      padding: 10px;
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                                      text-align:center;
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                             61
                                      text-decoration: none;
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                             62
                                      color: #fff;
                                      border: 1px solid #618A37;
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                                      margin: 5px 0px;
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                                      border-radius: 8px;
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                                      box-shadow: 1px 1px 3px rgba(0,0,0,0.3);
                             68
                                      text-shadow: 1px 1px 1px rgba(0,0,0,0.8);
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                                          <a href="#">Menus</a>
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                                          <a href="#">Gallery</a>
                             23
                                          <a href="#">Contact</a>
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                             25
                                        </nav>
                             26
                             27
                                    </header>
                                    <div id="maincontent">
                             28
                                      <article id="vision">A new neighborhood kitchen using only organic and sustainable ingredients all local
                                  <section class="pod">
                                    <a href="#" class="block"><h1>Today's specials</h1></a>
                             31
                                    <figure class="podContent"><img src="../images/specials.jpg" width="302" height="180" alt="Soup and salad"
                             32
                                  </section>
```

#### **GitHub**



#### **Chrome Dev Tools**



#### summary

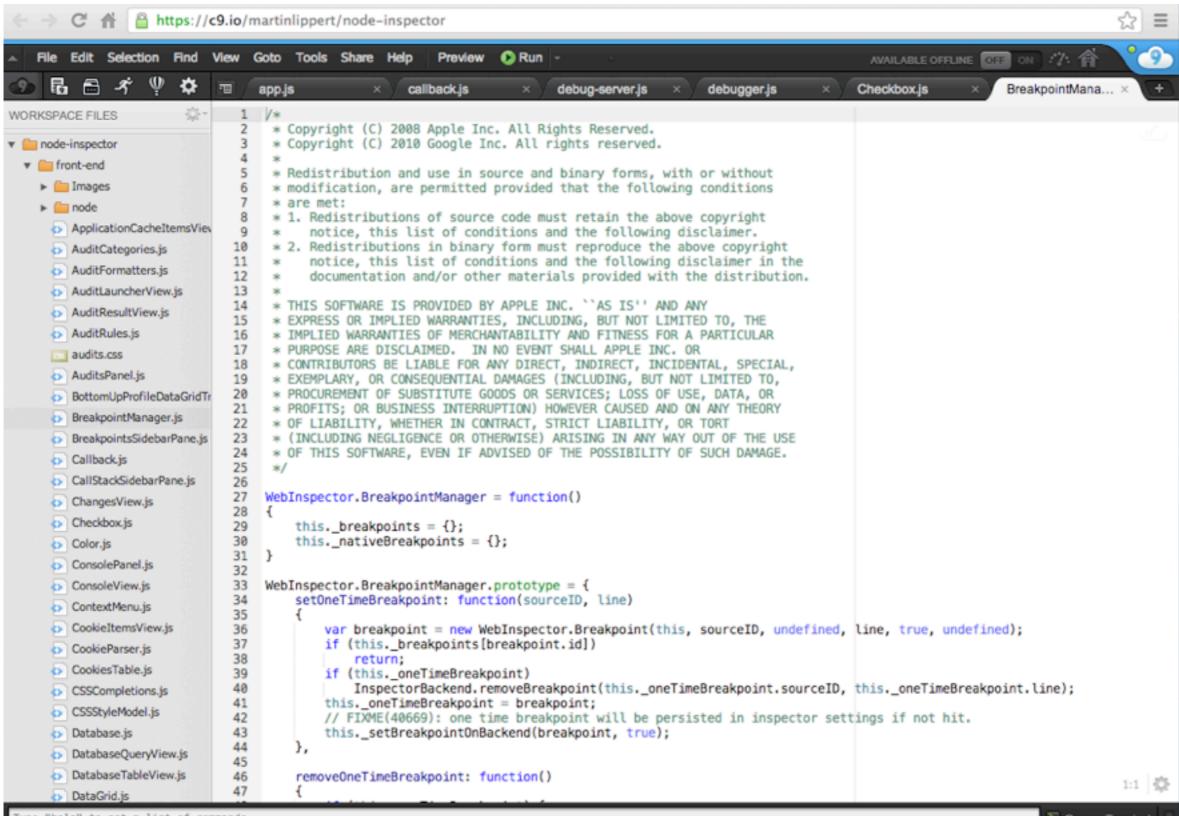
browser is full featured UI toolkit everything is possible

#### promises of running in the cloud

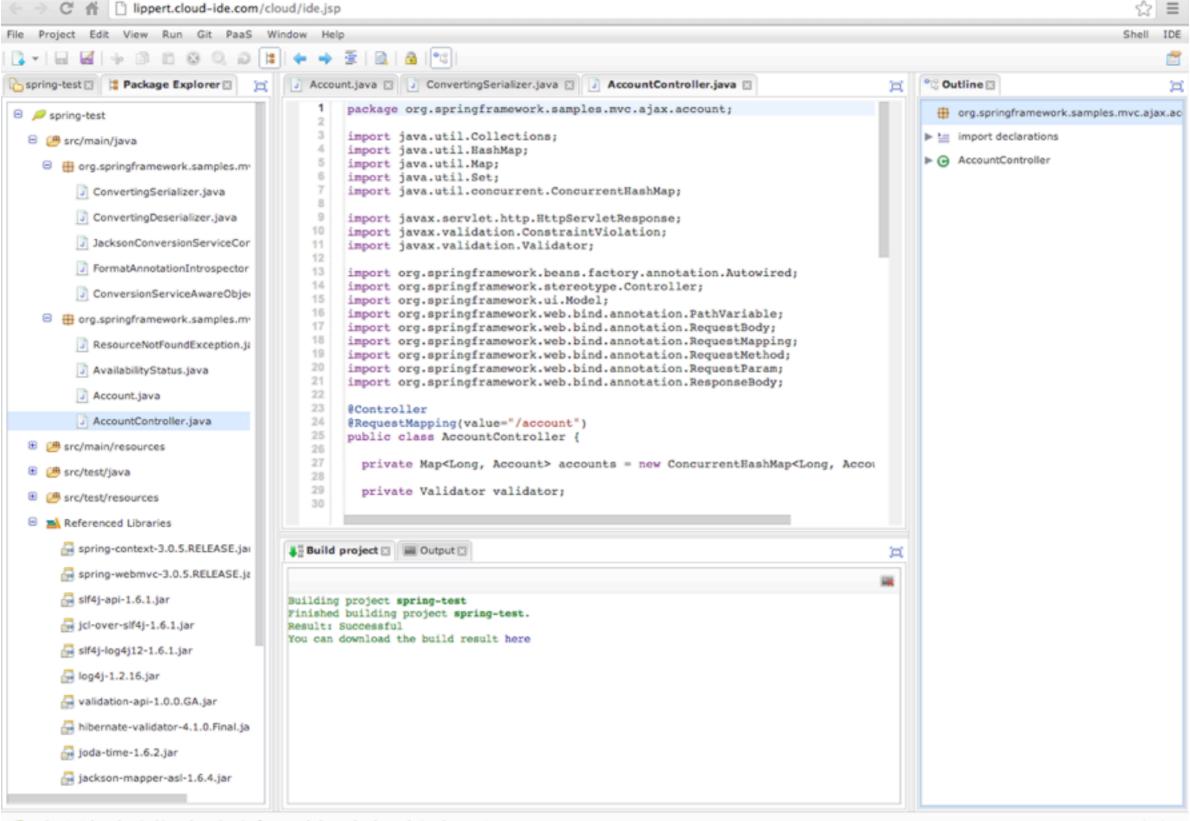
no installation
no setup
no updates/upgrades
accessible from everywhere
infrastructure & environment ready-to-use

"unlimited" and shared resources new ways of collaboration

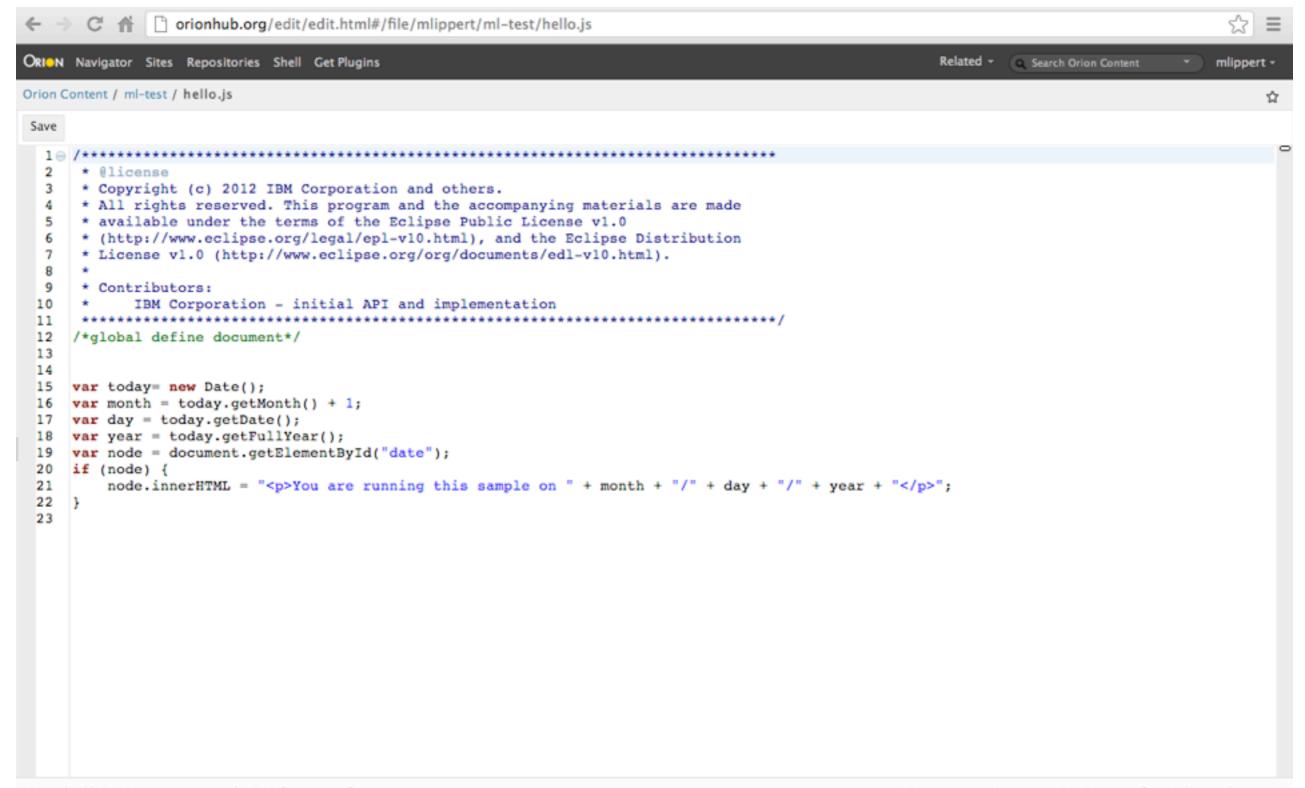
#### Cloud 9 IDE



#### **Exo Cloud IDE**

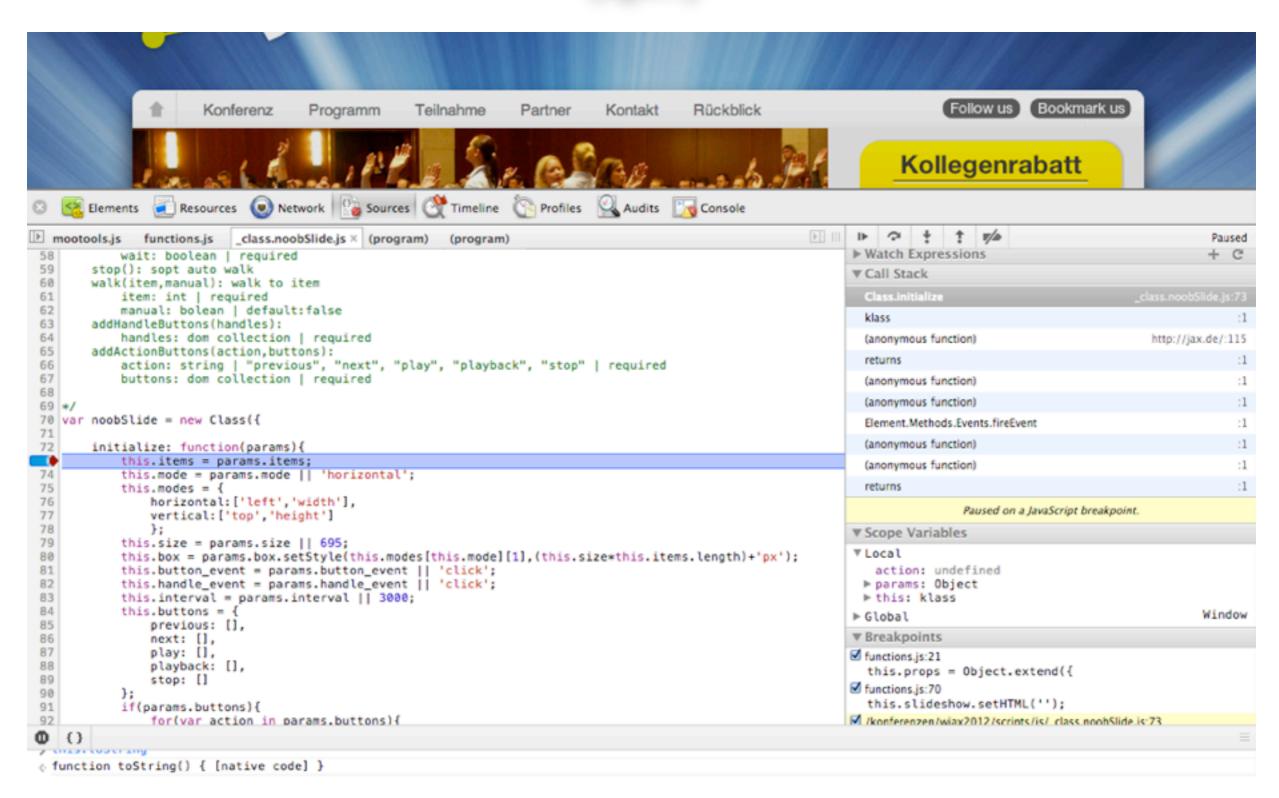


#### **Eclipse Orion**



#### **Chrome Dev Tools**

(again)



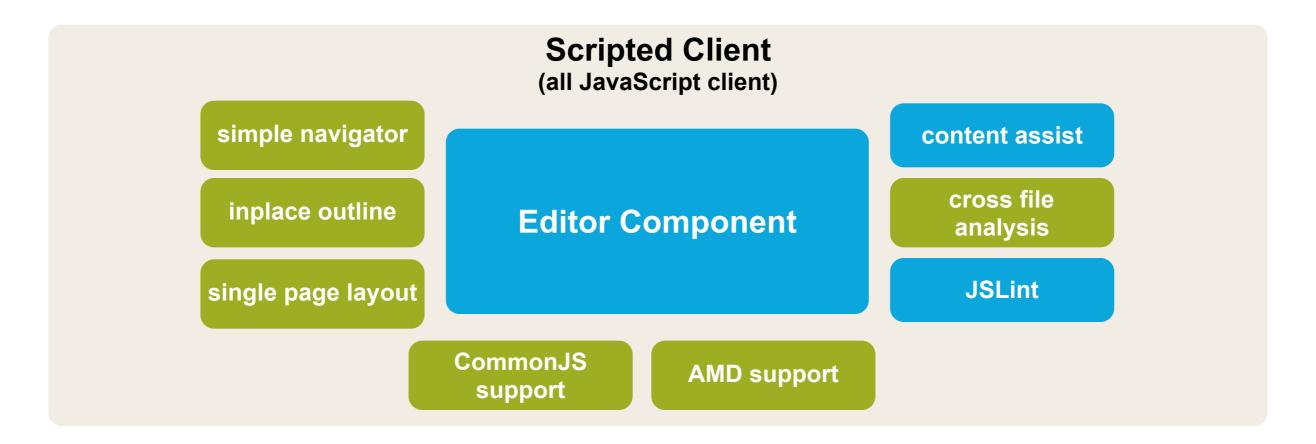
#### problems & challenges

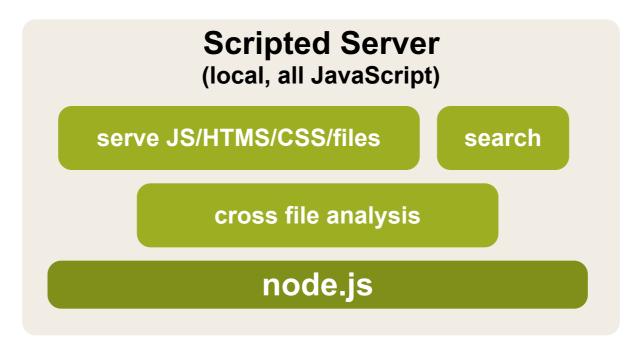
transform existing IDEs into the browser window? what about connectivity (aka offline)? files/resources only in the cloud? what about re-using existing (local) tools?

# we are working on Scripted

a lightweight JavaScript editor that runs in your browser

#### **Inside Scripted**





#### Outlook

Scripted becomes your favorite JavaScript editor :-)

working on:

add more innovative features continue to think beyond the borders



cloud IDEs not mainstream
yet or anytime soon

Today

Yesterday

not a replacement for Java development yet

the browser is the future UI toolkit for IDEs (no limitations anymore)

cloud-based IDEs will become reality in the future



and thank you for your attention

Martin Lippert, VMware mlippert@vmware.com, @martinlippert