Martin Lippert

SCRIPTED - EMBRACING ECLIPSE ORION

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33rd Degree Conference
Conference for Java Masters
13-15 March 2013
Warsaw, Poland

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

implementing developer tooling for a long time now

(AJDT, Groovy-Eclipse, Grails IDE, Spring IDE, Cloud Foundry Integration for Eclipse, tc Server Integration for Eclipse, Gradle Integration for Eclipse, add-ons for m2e, Equinox Weaving)

But 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 100x longer to open a type hierarchy“

what happens
if you do things differently?

lightweight instead of heavyweight
reusing existing tools
connecting instead of integrating
browser based
cloud hosted
...

Eclipse Orion

„Open Source Platform for
Cloud Based Development“

similar direction
awesome platform
very modular and re-useable

Eclipse Orion

provides a platform for:

navigating files and other content
clone from and push to git repositories
code (editing files)
directly testing (hosting) our app

+

plug-in mechanism

Favorites

You can create favorites by selecting any file or folder in the navigator and choosing 'Make Favorite' from the 'Actions' menu.

Create new content

Click one of the tasks below to create an Orion folder. You can upload, import, or generate files.

Sample HTML5 Site	Generate an HTML5 'Hello World' website, including JavaScript, HTML, and CSS files.
Sample Orion Plugin	Generate a sample plugin for integrating with Orion.
Clone Git Repository	Go to the Orion repositories page to provide a git repository URL. Once the repository is created, it will appear in the Navigator.

New Actions

ml-test	22.10.2012 09:58:46
hello.css	22.10.2012 09:58:46
hello.js	22.10.2012 09:58:46
index.html	22.10.2012 09:58:46

Save Make Favorite

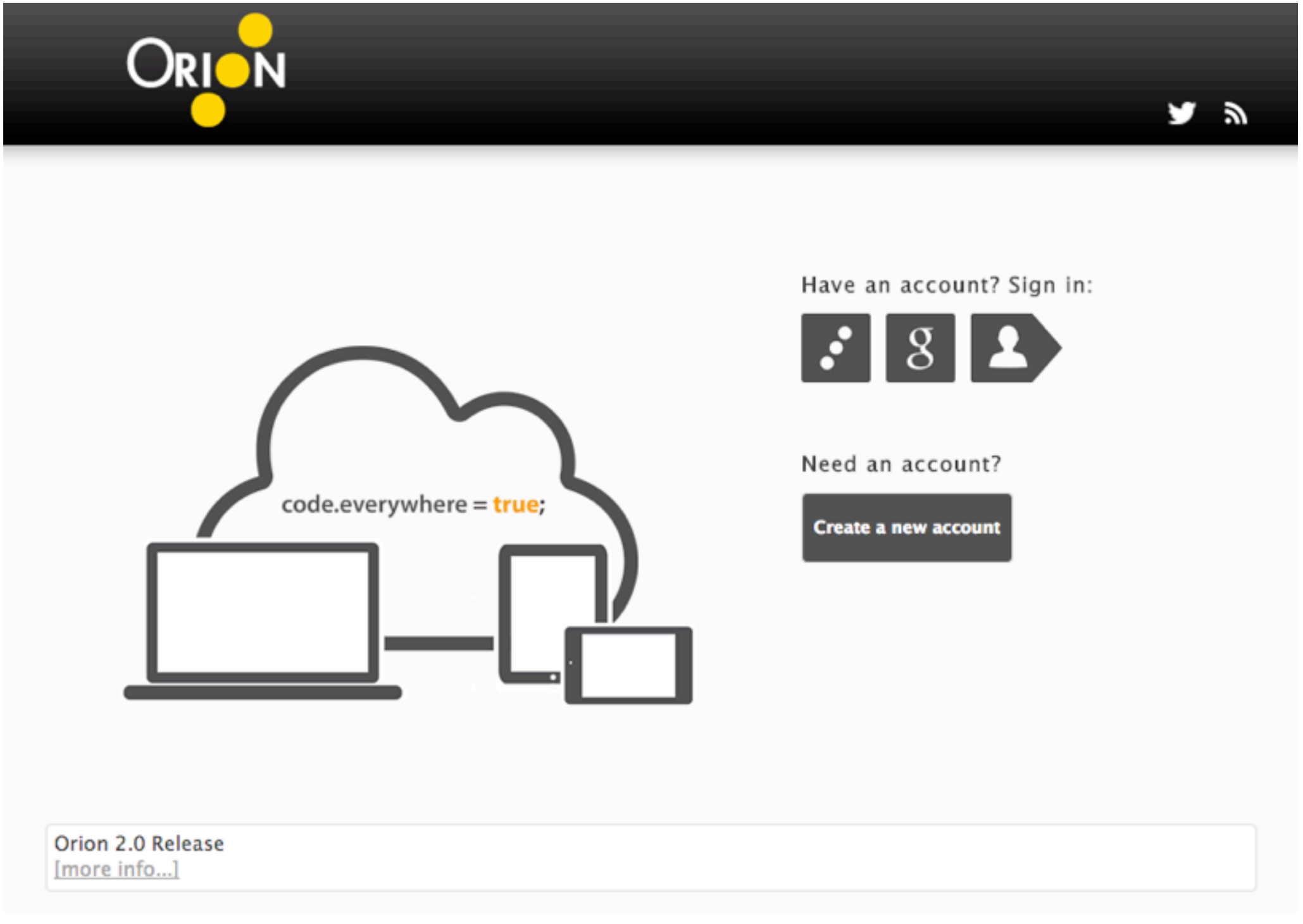
```
/*******************************************************************************
 * @license
 * Copyright (c) 2012 IBM Corporation and others.
 * All rights reserved. This program and the accompanying materials are made
 * available under the terms of the Eclipse Public License v1.0
 * (http://www.eclipse.org/legal/epl-v10.html), and the Eclipse Distribution
 * License v1.0 (http://www.eclipse.org/org/documents/edl-v10.html).
 *
 * Contributors:
 *     IBM Corporation - initial API and implementation
 *******************************************************************************/
/*global define document*/


var today= new Date();
var month = today.getMonth() + 1;
var day = today.getDate();
var year = today.getFullYear();
var node = document.getElementById("date");
if (node) {
    node.innerHTML = "<p>You are running this sample on " + month + "/" + day + "/" + year + "</p>";
}

```

orionhub.org

playground hosted by Eclipse



Client

purely JavaScript

runs in the browser

plug-ins hosted in non-visible iframes

Server

Java (OSGi application)

relatively stupid (no real logic here)

new: node.js-based JavaScript implementation

Introducing

Scripted

a lightweight JavaScript editor
that runs in your browser

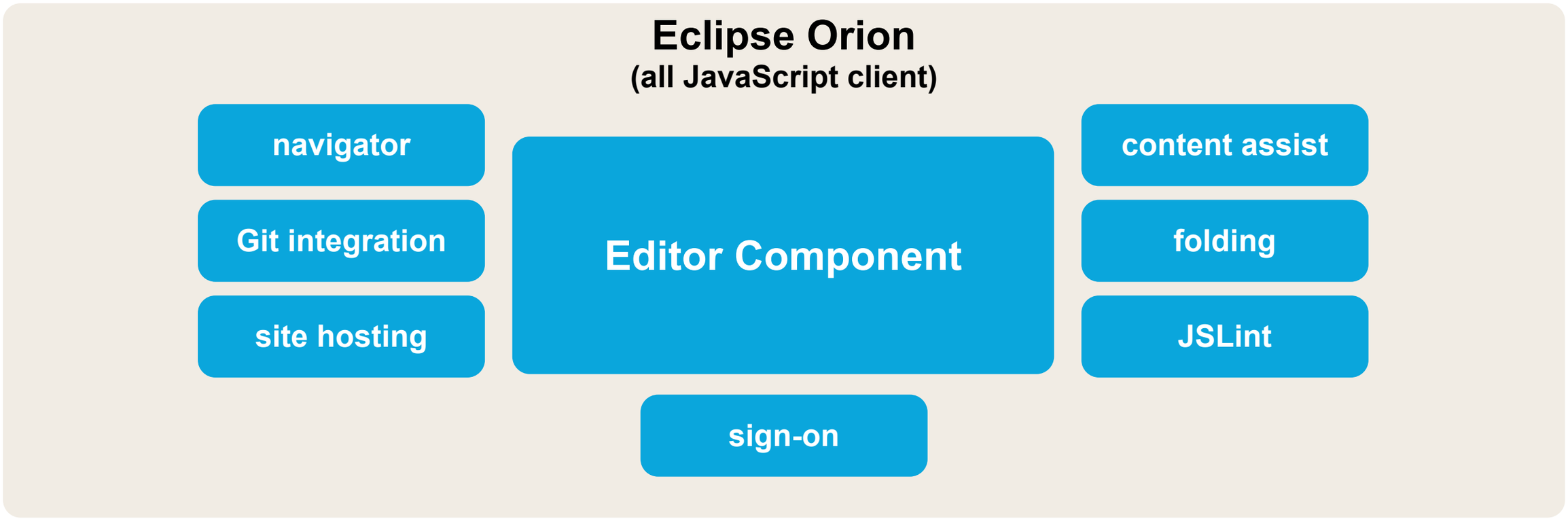
Choices and decisions

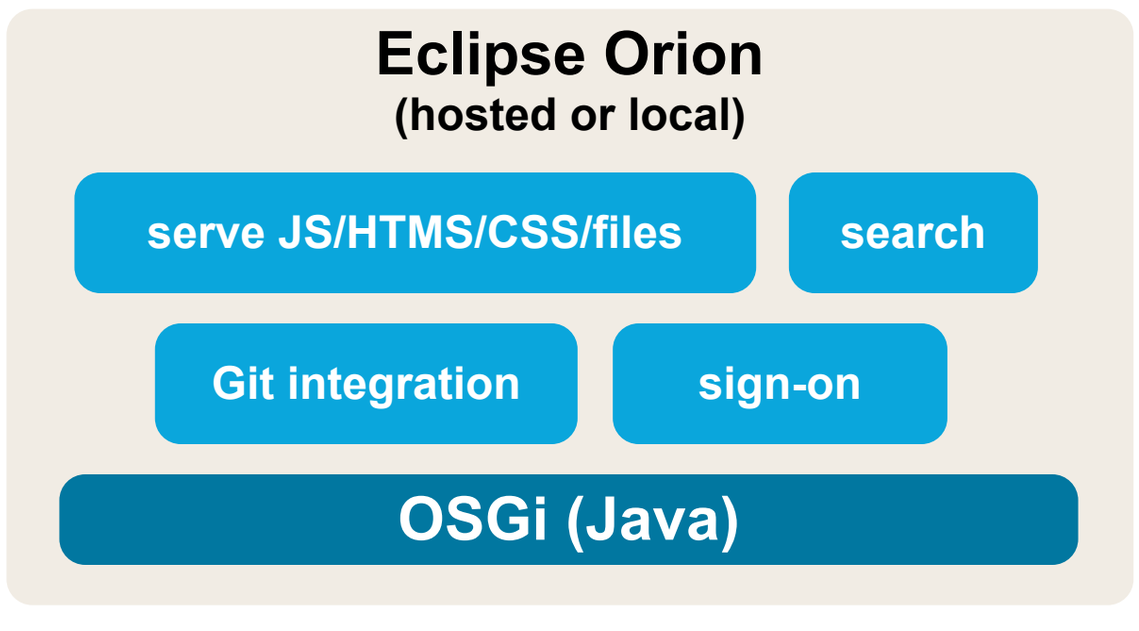
focus on editor
lightweight, fast
keystroke driven

running locally

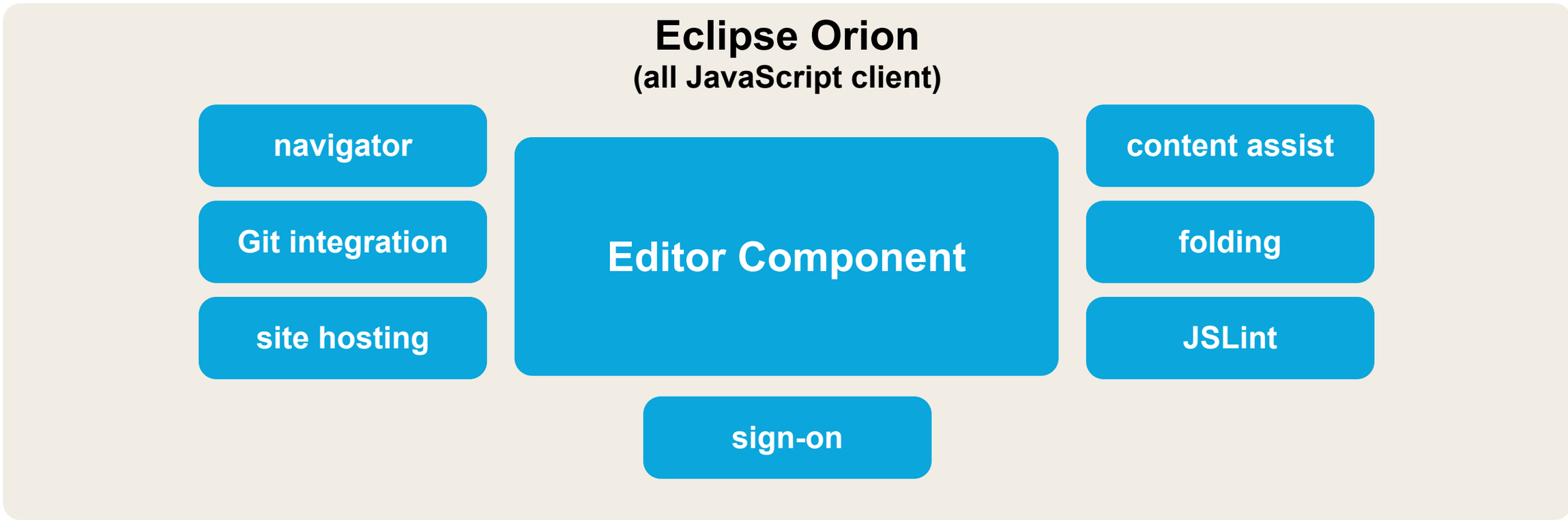
advanced code comprehension
using inferencing engine
module-aware content-assist

Choices and decisions





Choices and decisions



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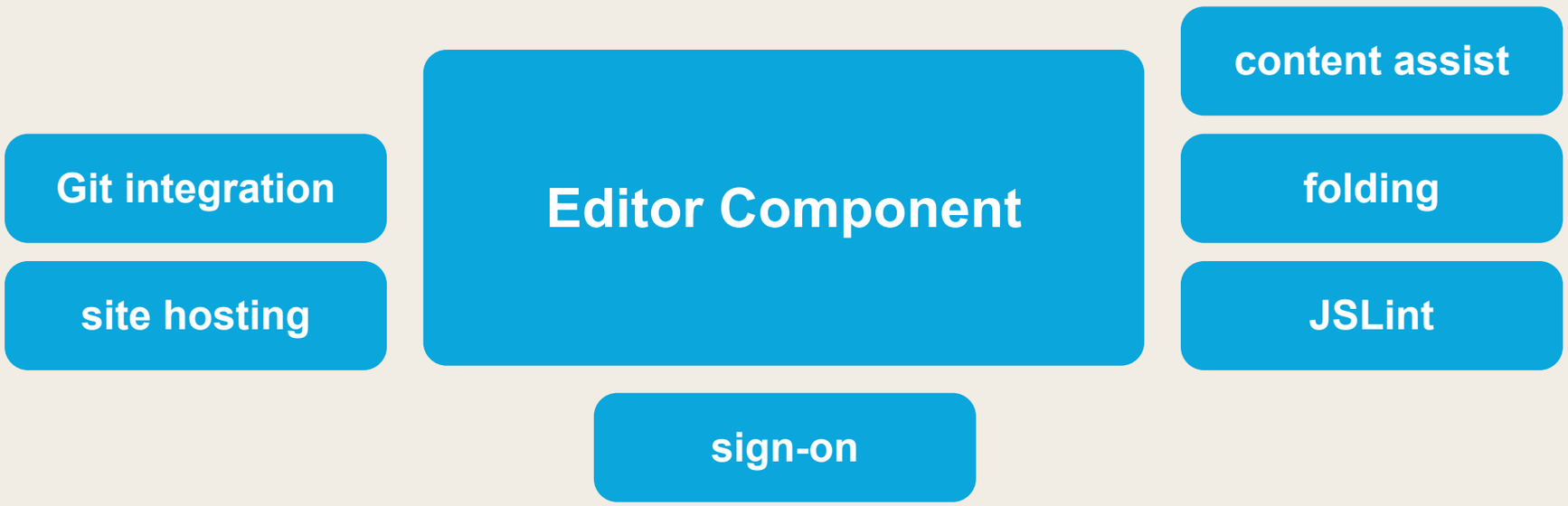

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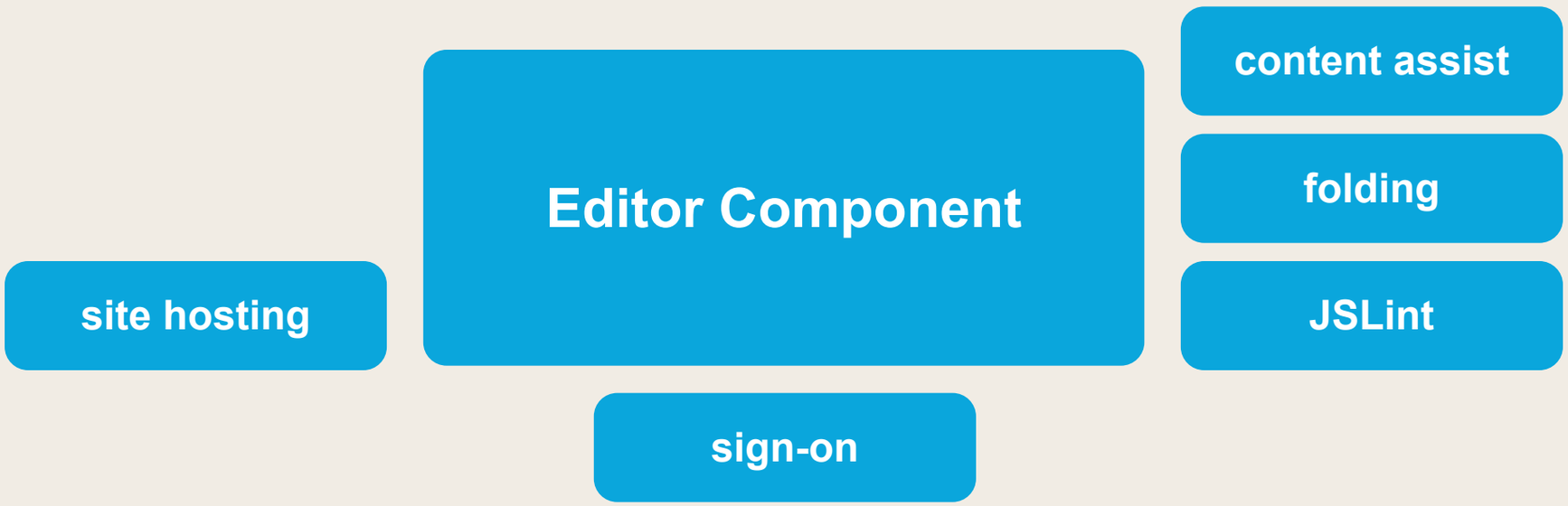

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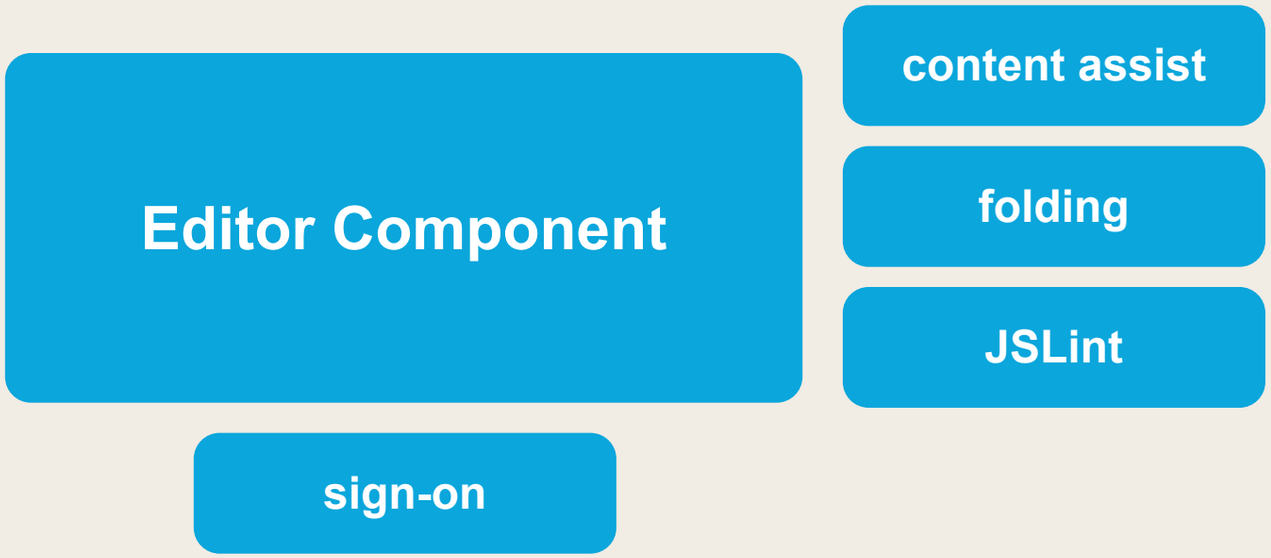

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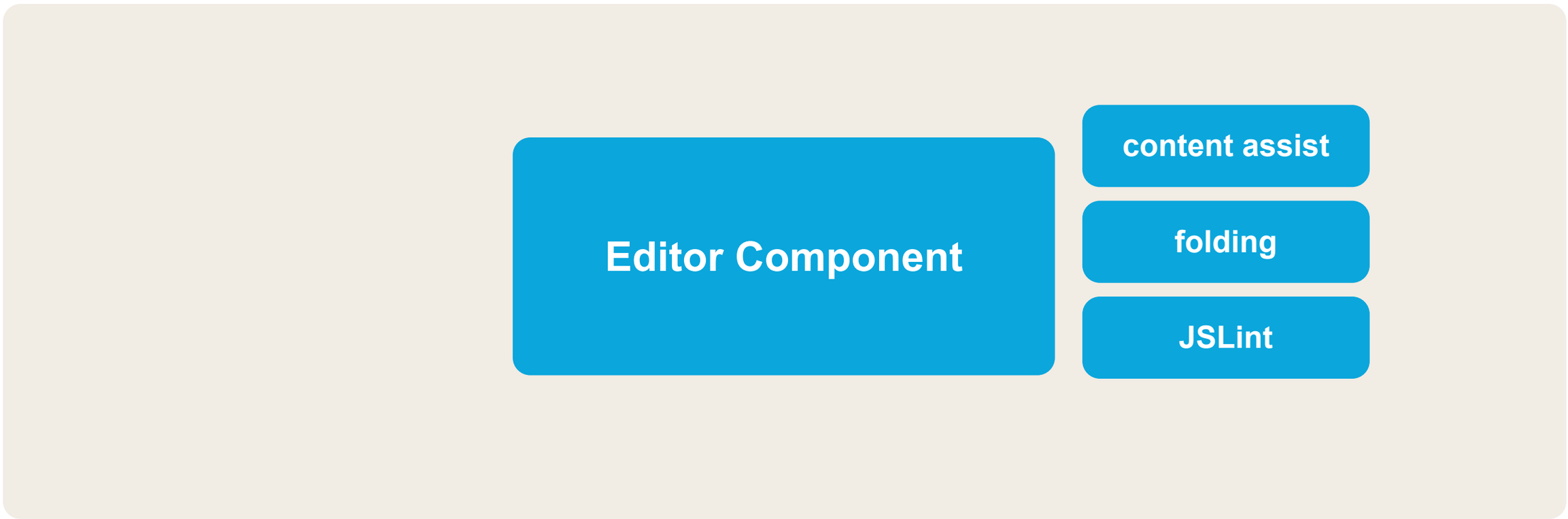

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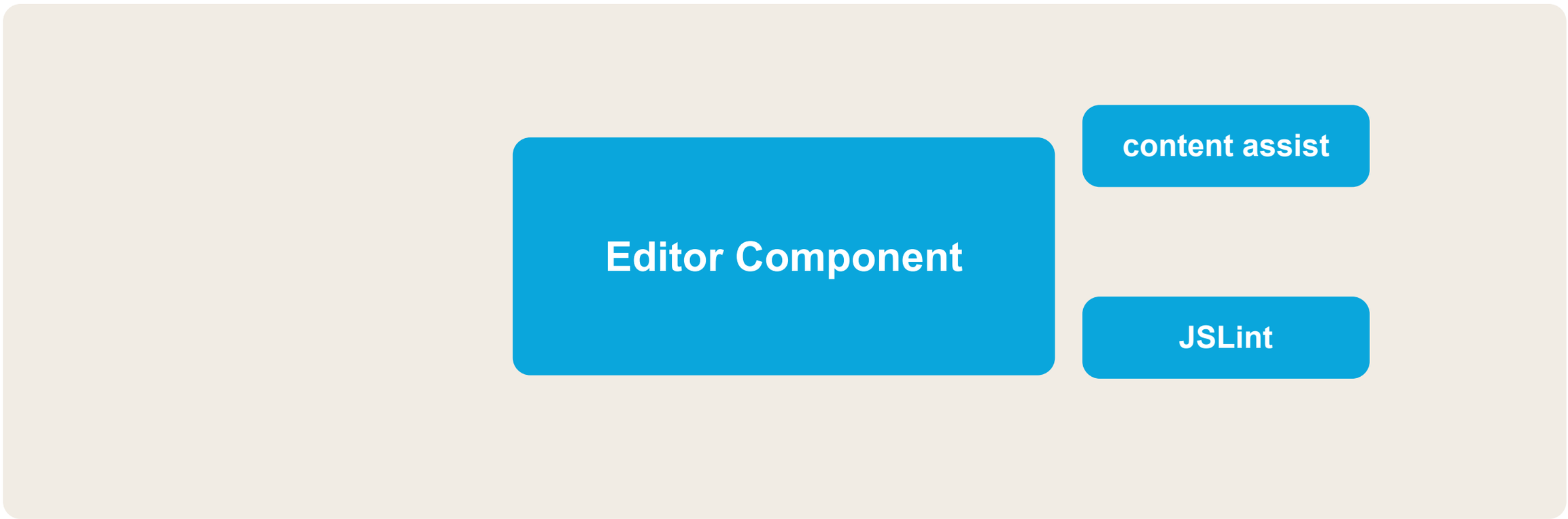

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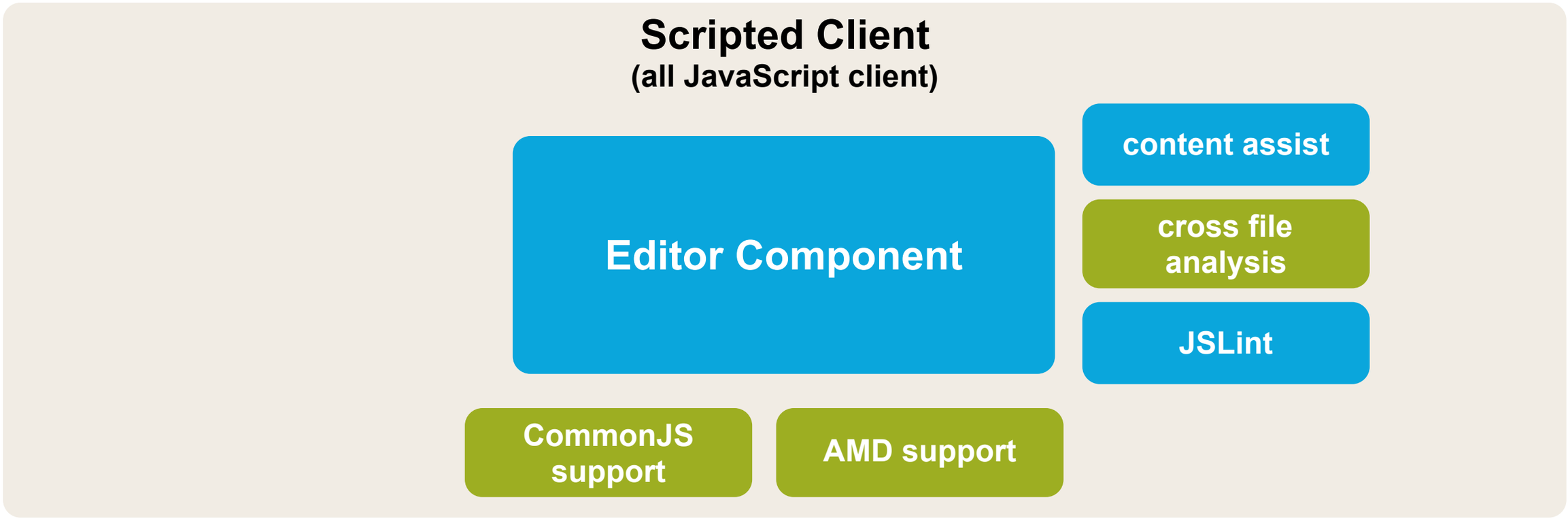

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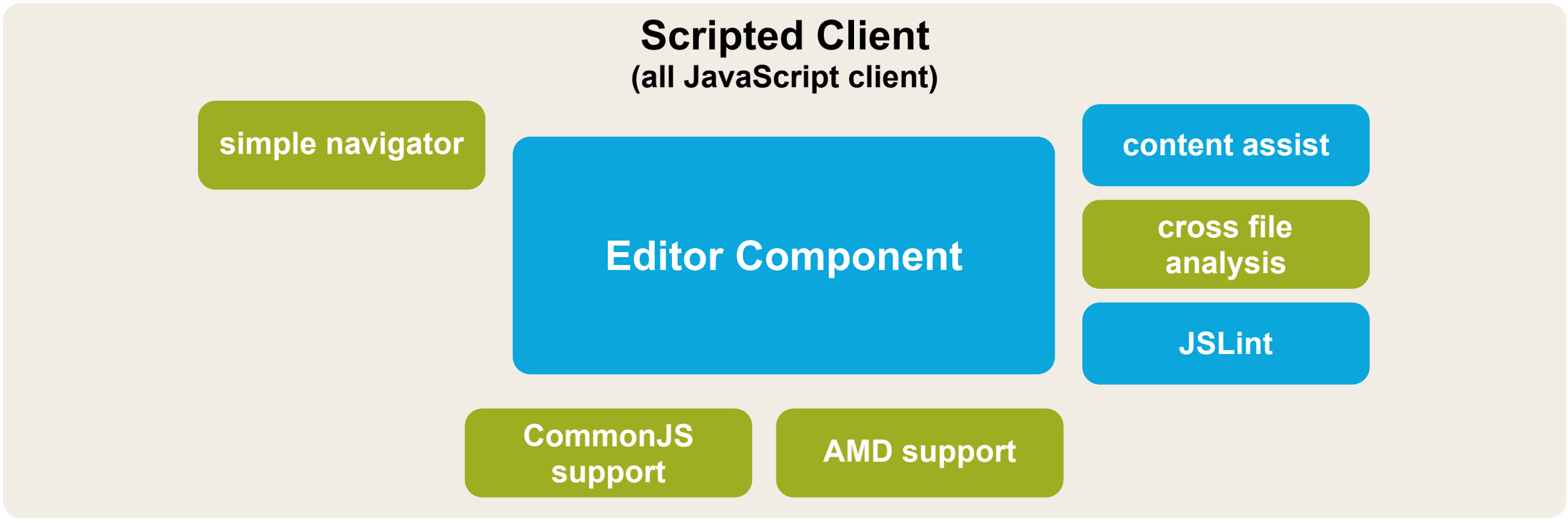

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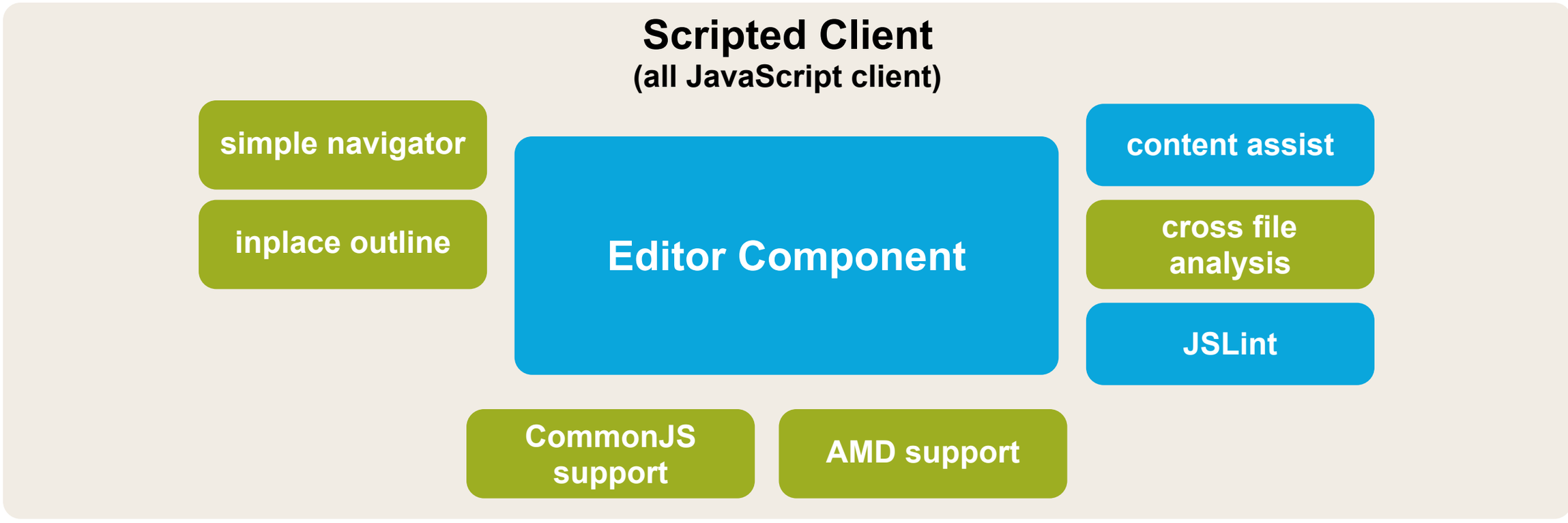

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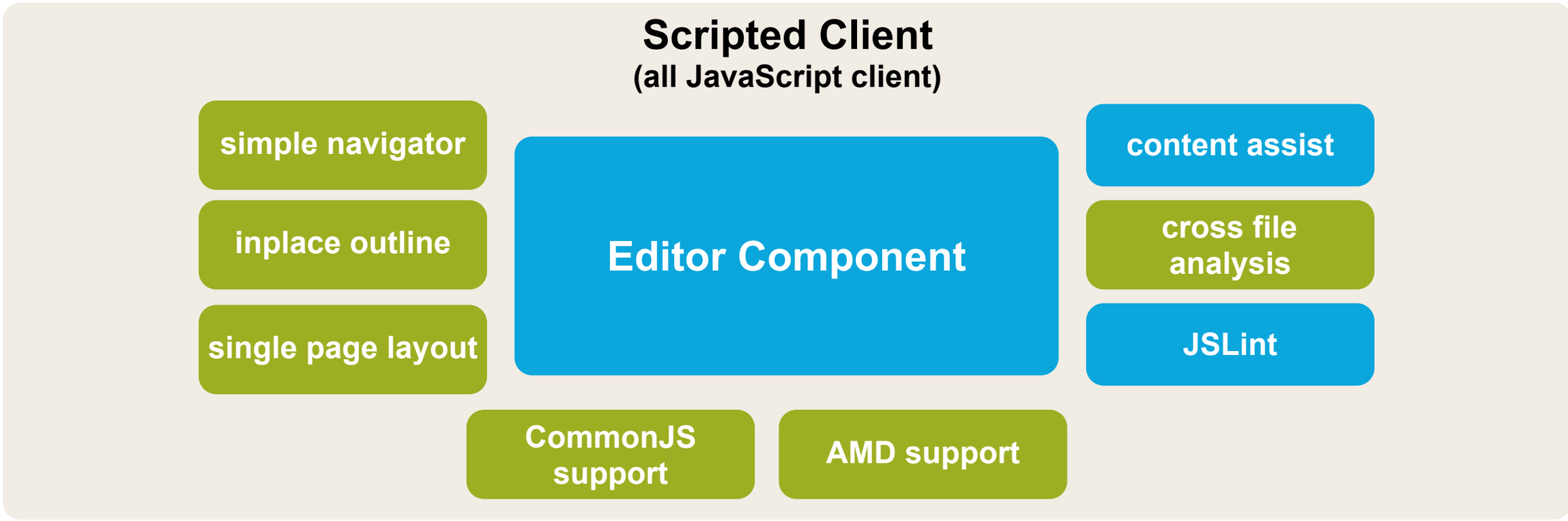

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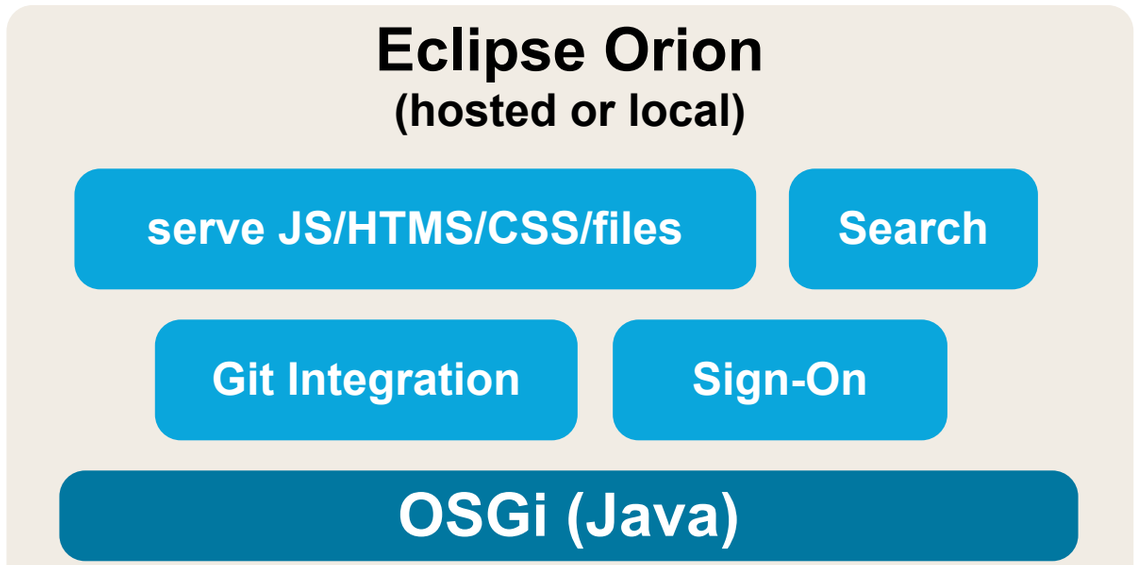

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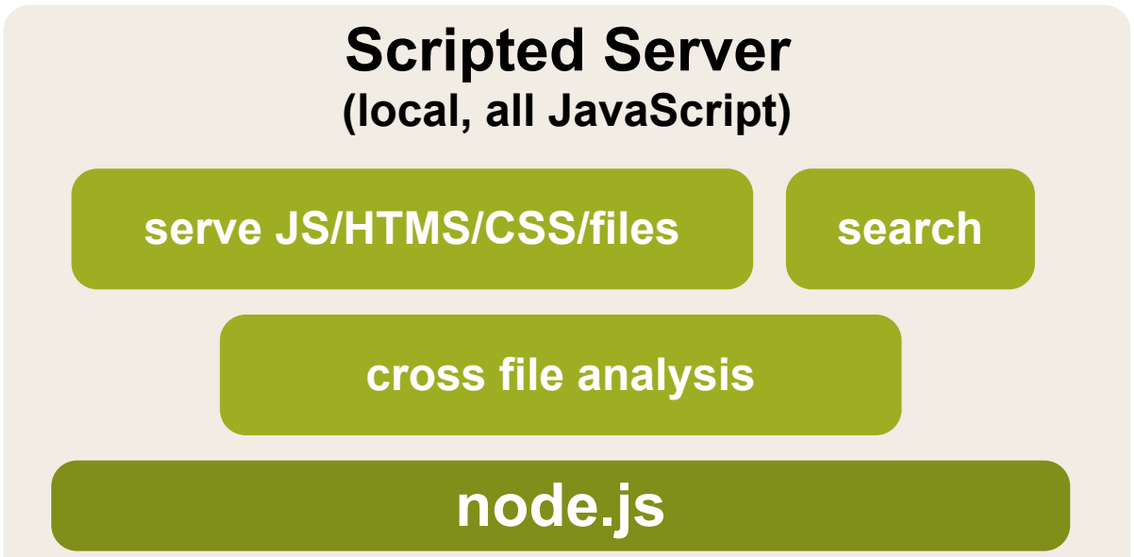
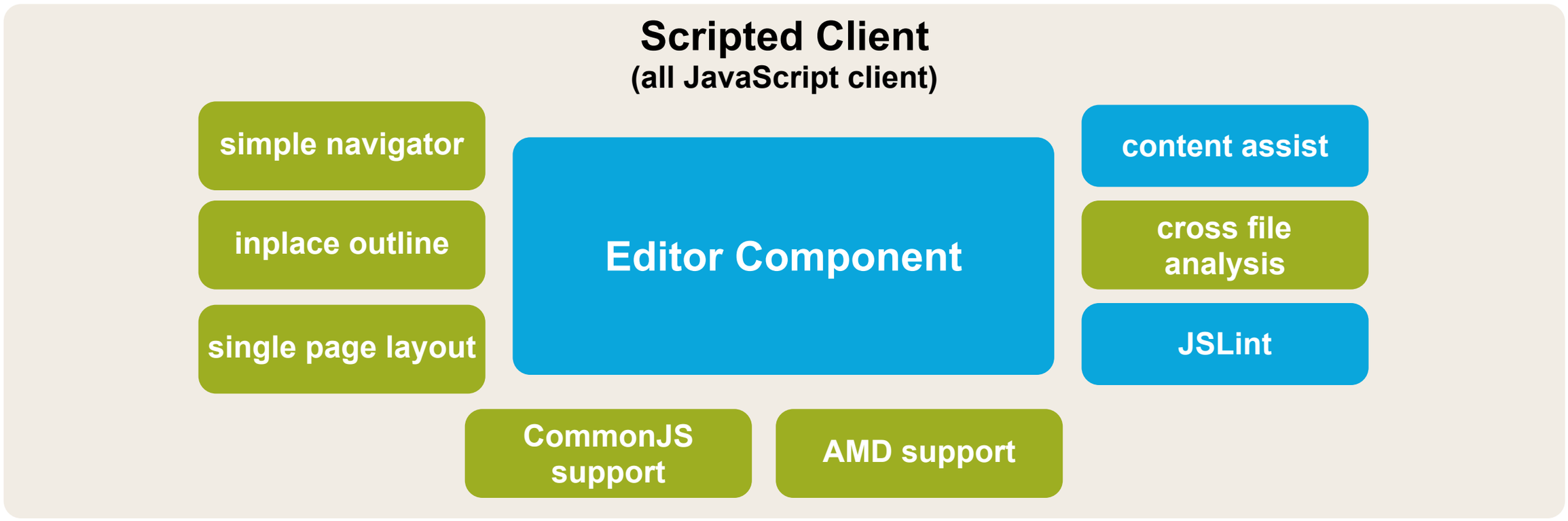
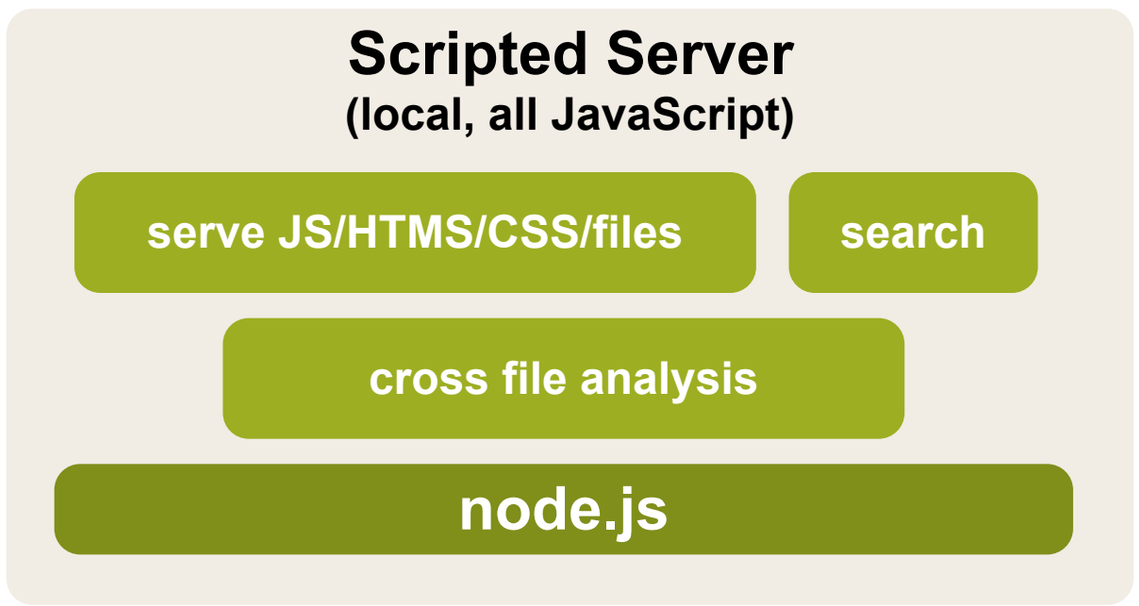


Scripted overview





Demo time...

Summary

Eclipse Orion is an awesome platform for building browser-based tooling

What is next?

continuously contribute back to Orion

add more innovative features

continue to think beyond the borders

Resources

Scripted project
https://github.com/scripted-editor/scripted

Forum
https://groups.google.com/forum/#!forum/scripted-dev

Issue Tracker
https://issuetracker.springsource.com/browse/scripted

Sample project used here
https://github.com/aeisenberg/scripted-demo-s2gx2012

Q&A

and thank you for your attention

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