An Intro to Eclipse Che
Next-Generation Eclipse IDE & Open Source Alternative to IntelliJ

January 2016
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### The Application Trinity

#### Develop Apps
- issue mgmt
- source code repo
- agile
- ide
- workspace

#### Deliver Apps
- check out & build code
- unit test
- quality control
- package & archiving
- integration testing
- deploy to test environment
- deploy to pre-production
- acceptance testing
- deploy to production
- continuous integration
- packaging & build tools
- code quality analysis
- testing frameworks
- artifact repository
- release mgmt

#### Host Apps
- test
- pre-production
- production

100 firms including Atlassian, JetBrains, Puppet, Chef, Ansible, ZeroTurnaround, IBM, Electric Cloud, Coverity, Sonatype, JFrog, and so on...
Big Hairy Audacious Goal

Let anyone contribute to any project anywhere at any time.

no pre-installation required
ready to participate in any branch flow
always compiles and runs
How

http://someurl/factory?id=a_project

1. Create new, or load existing, workspace
2. Populate workspace with projects
3. Fetch source
4. Inject tools (compiler, ssh, intellisense)
5. Create runtime
6. Onboard developer into workspace
A New Workspace Is Needed
Che: IDE + Workspace Server + Plug-Ins

Cloud IDE

A no-installation browser IDE and IOE accessible from any local or remote device. Thin, fast, and beautiful - it’s the IDE our own engineers wanted.

Collaborative WS Server

Host Eclipse Che as a workspace server. Share tools, runtime and programming services across workspaces and teams. Control workspaces and projects with REST APIs.

Plug-In Framework

Che includes a growing set of plug-ins. You can also create and package your own.
Eclipse Che Extensibility

**Extension**
Java + JavaScript + CSS

-package-as-

**Che Core**

-package-as-

**Plug-In**

-package-as-

**Plug-In**

-package-as-

**Plug-In**

+  

**Assembly**
App Server + Plug-Ins + Installer

**Server**

**Desktop App**

Java + JavaScript + CSS
Getting Started with Che

Source: github.com/codenvy/che
Developer Mailing List: che-dev@eclipse.org
Issue: github.com/codenvy/che
IRC: #eclipseche (routes to slack)
@Singleton
@Extension(title = "AngularJS")
public class AngularJsExtension extends JsExtension {
    @Inject
    public AngularJsExtension(IconRegistry iconRegistry, AngularJSResources resources) {
        super(Const.ANGULAR_JS_ID, iconRegistry, resources);
    }
}

@Singleton
public class AngularJSProjectType extends ProjectType {
    public AngularJSProjectType() {
        super("AngularJS", "AngularJS Project", true, false);
        setDefaultRunner("system:/javascript/webapp/grunt");
        addRunnerCategories(Arrays.asList(RunnerCategory.JAVASCRIPT.toString()));
    }
}
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