

An Intro to Eclipse Che

Next-Generation Eclipse IDE & Open Source Alternative to IntelliJ

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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

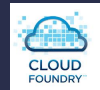
100 firms including Atlassian, JetBrains, Puppet, Chef, Ansible, ZeroTurnaround, IBM, Electric Cloud, Coverity, Sonatype, JFrog, and so on...

Host Apps

test

pre-production

production



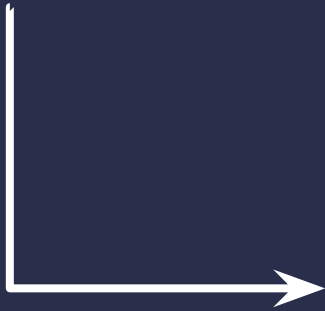
Big Hairy Audacious Goal

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

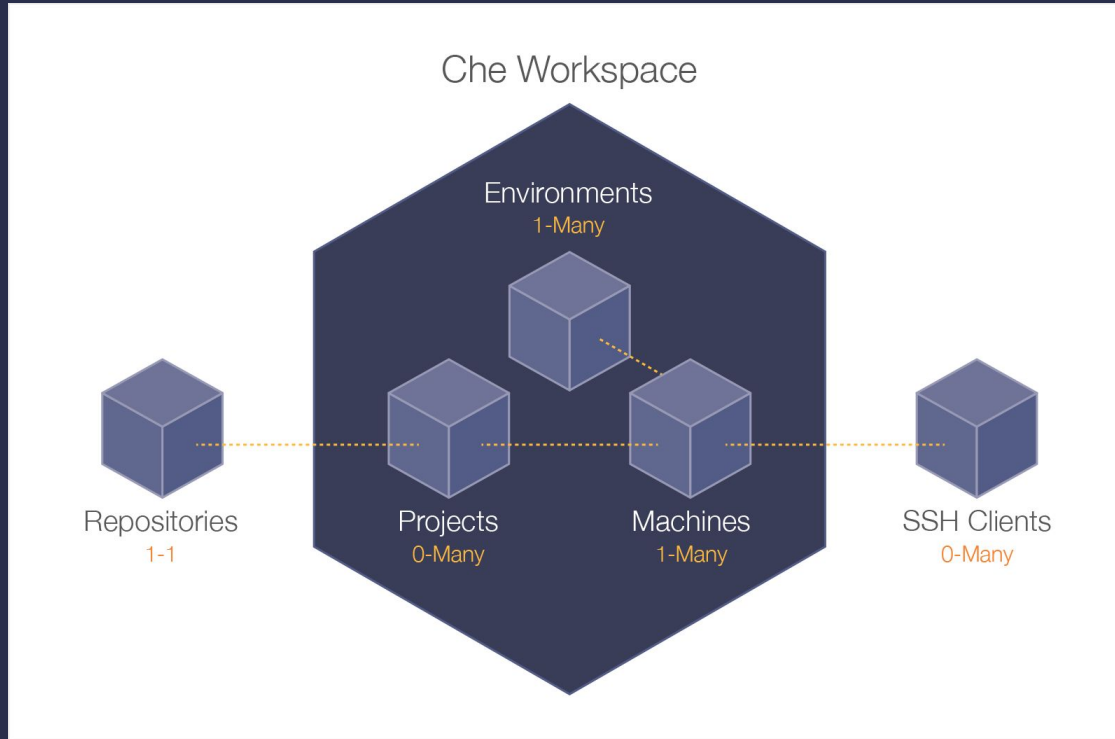
How

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

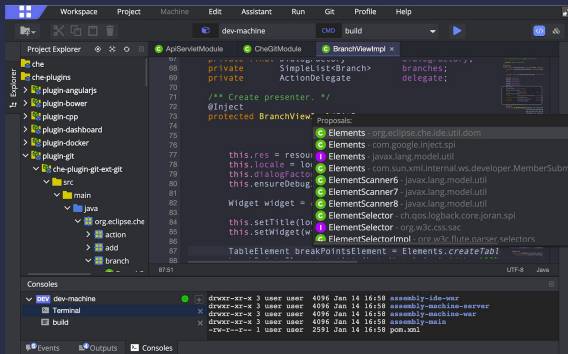
A New Workspace Is Needed



Eclipse Che - Next Generation Eclipse IDE

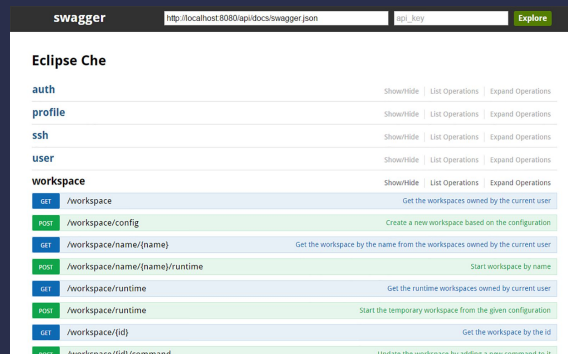


Che: IDE + Workspace Server + Plug-Ins



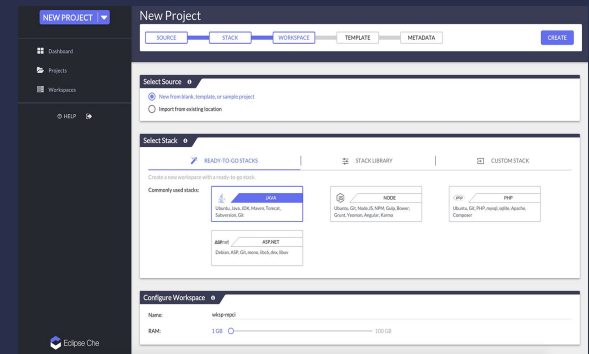
Cloud IDE

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

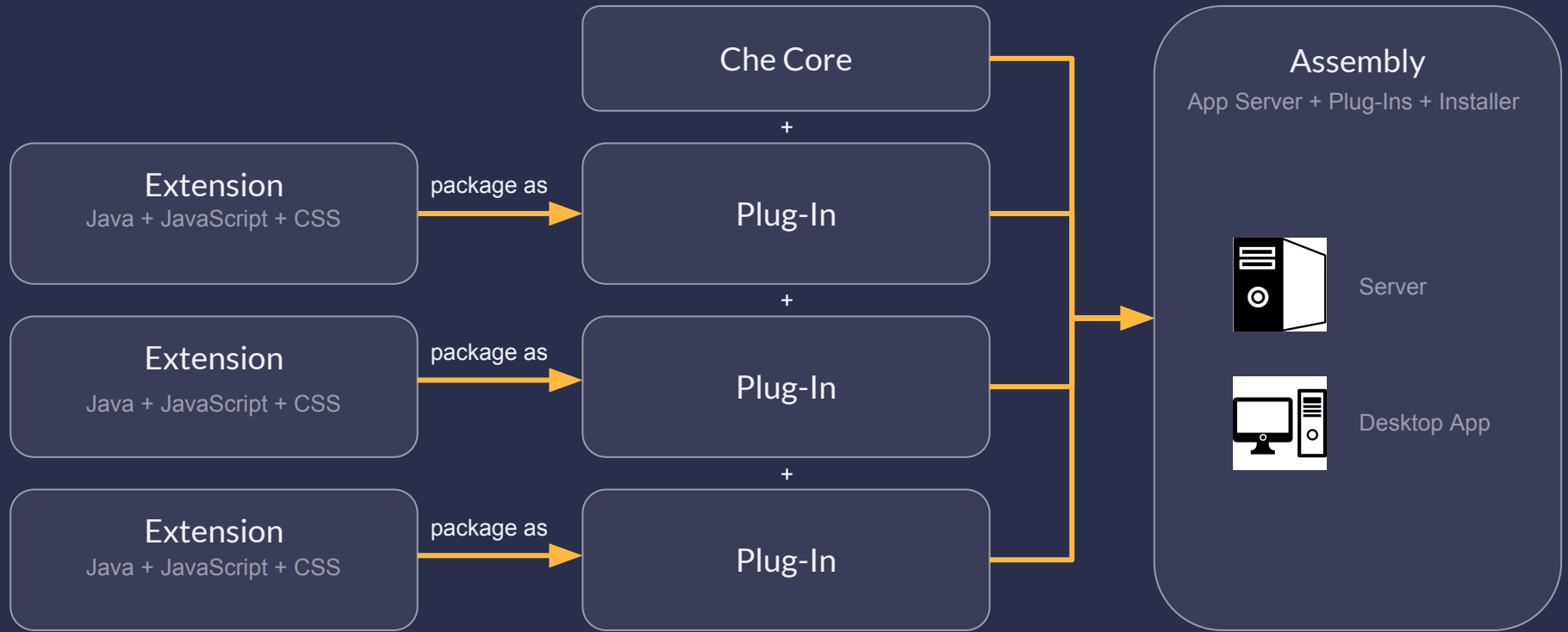
Host Eclipse Che as a workspace server. **Share** tools, runtime and programming services across workspaces and teams. Control workspaces and projects with **REST APIs**.



Plug-In Framework

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

Eclipse Che Extensibility



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)

Che Extension

[plugin-angularjs/core/client/src/main/java/com/codenvy/plugin/angularjs/core/client/](#)

```
@Singleton
@Extension(title = "AngularJS")
public class AngularJsExtension extends JsExtension {
    @Inject
    public AngularJsExtension(IconRegistry iconRegistry, AngularJSResources resources) {
        super(Const.ANGULAR_JS_ID, iconRegistry, resources);
    }
}
```

[plugin-angularjs/core/server/src/main/java/com/codenvy/plugin/angularjs/core/server/project/type](#)

```
@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()));
    }
}
```

Promotions!

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Eclipse Che

www.eclipse.org/che
Try it live: codenvy.com