RELEASE, PATCH, UPDATE … STRATEGY?
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Have in common?
Regular updates
Can we do the same?
Yes, we can!
Preparations/Thoughts

- Open-Source / commercial app
- Different scenarios
- Great Eclipse support
- Flexibility vs. strict control
- Marketplace / update sites
Eclipse based product

(A) Updates + Marketplace

(B) Updates + Marketplace

Own Updates + Marketplace
Own product

Own Updates + Marketplace

Own Updates
Updateprocess

(A) Updates + Marketplace
(B) Updates + Marketplace
(C) Own Updates + Marketplace
(D) Own Updates

Flexibility of the application

Control over the updateprocess
### Overview options

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>(A)</td>
<td>Recombined application Installation of various plugins (crash?)</td>
<td>IDE for Scientists</td>
</tr>
<tr>
<td>(B)</td>
<td>Recombined application Installation of various and tested plugins (crash?)</td>
<td>IDE for Scientists (++)</td>
</tr>
<tr>
<td>(C)</td>
<td>New application Installation of tested plugins only</td>
<td>Community-Edition</td>
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<tr>
<td>(D)</td>
<td>New application</td>
<td>Enterprise-Edition</td>
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</table>
Eclipse Marketplace

Eclipse Marketplace
Select solutions to install. Press Finish to proceed with installation.
Press the Information button to see a detailed overview and a link to more
Search
Find:
Ok
All Markets
All Categories
Go
Featured
JRebel for Eclipse
Promoted - Is your Java EE development cycle rather more like Continuous Restart Than Continuous Coding? Try coding without the need to restart anything, even... more info
by ZeroTurnaround, Commercial
Java EE, eclipse, java ee, tools, productivity
Installs: 119K (3.924 last month)
Install
Vaadin Plugin for Eclipse
Promoted - Vaadin is a powerful open source UI library for creating rich web user interfaces. It is a Java EE-compatible component library that makes it easy... more info
by Vaadin Ltd, Apache 2.0
Java, JEE, web, ui, java ee
Installs: 65,4K (3.701 last month)
Install
Marketplaces
Marketplace/Updates

Marketplace

(B) HTTP/1.1 GET XML

(A) Application

http://updates.acme.com/0.9.x/repository (C)

artifacts.jar, content.jar, ...

(D) Updatesite Server

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Marketplace (A)

http://marketplace.eclipse.org/featured/api/p?
product=org.eclipse.epp.package.rcp.product
&os=linux
&runtime.version=4.3.0.v20130605-2000
&client=org.eclipse.epp.package.mpc.core
&java.version=1.7.0_65b32
&product.version=4.3.0.v20130605-2000
&ws=gtk
&nl=de_DE
Marketplace/Updates

http://updates.acme.com/0.9.x/repository (C)
artifacts.jar, content.jar, ...

(B) HTTP/1.1 GET
XML

(A)

(D) Updatesite Server

Marketplace

Application
<?xml version="1.0" encoding="UTF-8"?>
<marketplace>
 <featured count="10">
 ...
  <node id="29591" name="JRebel for Eclipse" ...>
     <updateurl><![CDATA[
 http://update.zeroturnaround.com/update-site
]]></updateurl>
 ...
</node>
</featured>
</marketplace>
Marketplace/Updates

Marketplace

Application

Updatesite Server

HTTP/1.1 GET
XML

http://updates.acme.com/0.9.x/repository
artifacts.jar, content.jar, ...

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Available update sites
Add sites per code 1/2

ProvisioningSession session = ProvisioningUI.getDefaultUI().getSession();

RepositoryTracker repositoryTracker = ProvisioningUI.getDefaultUI().getRepositoryTracker();
Add sites per code 2/2

```java
try {
    URI location = new URI("http://download.eclipse.org/releases/kepler");
    repositoryTracker.addRepository(location, "Kepler", session);
} catch(URISyntaxException e) {
    logger.warn(e);
}
```
Own Marketplace

<extension
point="org.eclipse.epp.mpc.ui.catalog">
<catalog
description="Das ist der ACME Marktplatz."
icon="icons/logo_32x32.png"
label="ACME Marketplace"
url="http://www.acme.com/"
selfContained="false">
</catalog>
</extension>
Strategy

- Official repository
- Staging repository
- Junit-, Integration-, UI-Tests
- Automatic upload and tests
- Switch official/staging repository
Community-Edition

Updates base 0.9.x

Updates plugins 0.9.x

http://updates.acme.com/community/0.9.x/

repository
repository-stage
plugins (Marketplace)
plugins-stage (Marketplace)
Remove sites 1/3

URI[] locationsEnabled = repositoryTracker.getKnownRepositories(session);
repositoryTracker.removeRepositories(locationsEnabled, session);
Remove sites 2/3

```java
IMetadataRepositoryManager metadataRepositoryManager = (IMetadataRepositoryManager)session.getProvisioningAgent().getService(IMetadataRepositoryManager.SERVICE_NAME);
```
URI[] locationsDisabled = metadataRepositoryManager.getKnownRepositories(IRepositoryManager.REPOSITORIES_DISABLED | repositoryTracker.getMetadataRepositoryFlags());

repositoryTracker.removeRepositories(locationsDisabled, session);
Questions?