

Equinox/p2

Getting started with Equinox/p2

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- 1 Intro to p2
- 2 p2 folders
- 3 p2 Installer
- 4 Links



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What is p2?

p2 =



What is p2?

p2 = Provisioning Platform



What is p2?

p2 = Provisioning Platform

- Update Manager → p2
- deliver + manage = provision



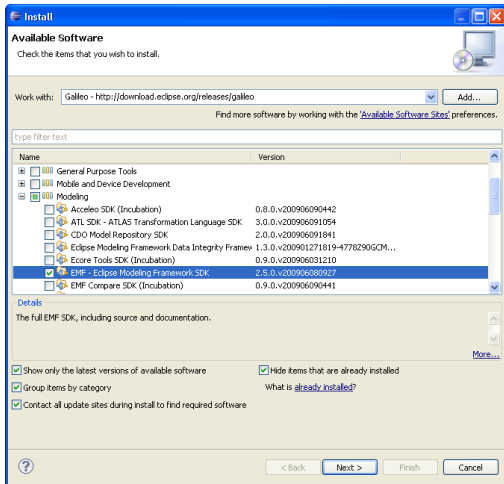
p2 = Provisioning Platform

- Update Manager → p2
- deliver + manage = provision

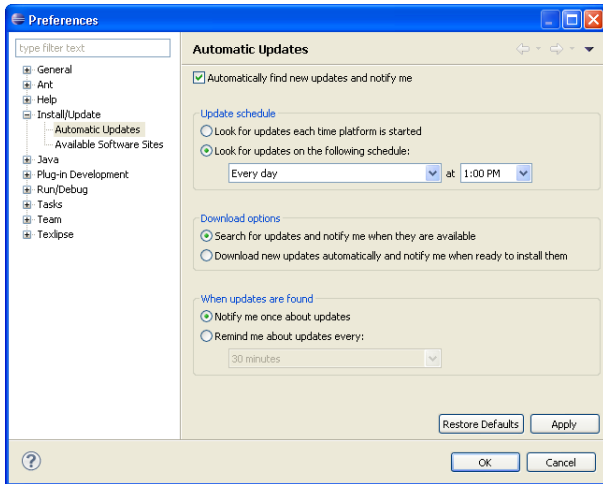
- new UI, simplified workflows
- manage your complete install
- pool your resources
- avoid runtime surprises
- install more than just bundles



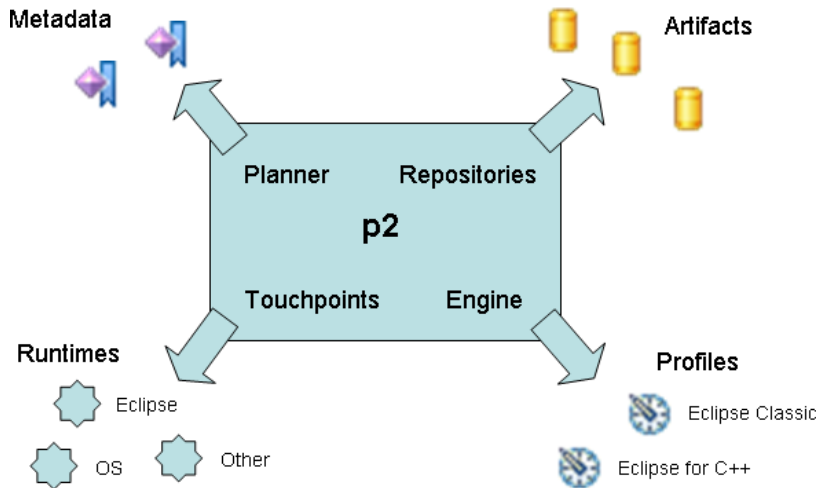
Help > Install New Software...



Window > Preferences > Install/Update > Automatic Updates



Bird's eye view



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- `plugins` forced in, restart -clean
- `dropins` installed, watched dir
- install with p2 UI → uninstall with p2 UI



Dropins folder formats

jar and directory

```
eclipse/  
  dropins/  
    org.eclipse.core.tools_1.4.0.200710121455.jar  
    org.eclipse.releng.tools_3.3.0.v20070412/  
      plugin.xml  
      tools.jar  
      ... etc ...  
  ...
```



Dropins folder formats

application or extension layout

```
eclipse/  
  dropins/  
    eclipse/  
      features/  
      plugins/
```



Dropins folder formats

additional folders for different components

```
eclipse/  
  dropins/  
    emf/  
      eclipse/  
        features/  
        plugins/  
    gef/  
      eclipse/  
        features/  
        plugins/  
    ... etc ...
```



Dropins folder formats

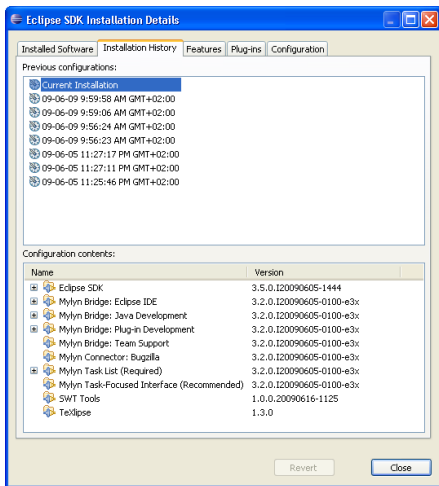
link file

```
eclipse/  
  dropins/  
    emf.link
```

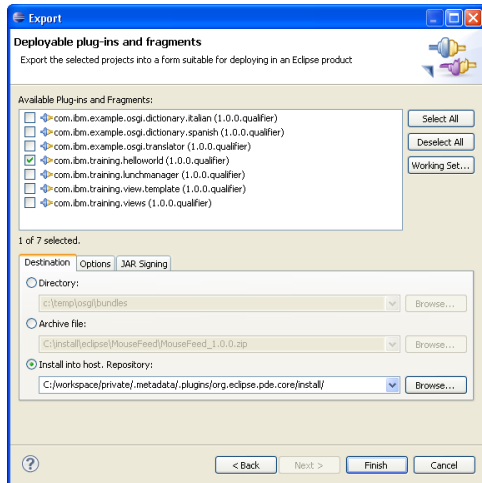
emf.link

```
path=c:/apps/e/tools/emf
```

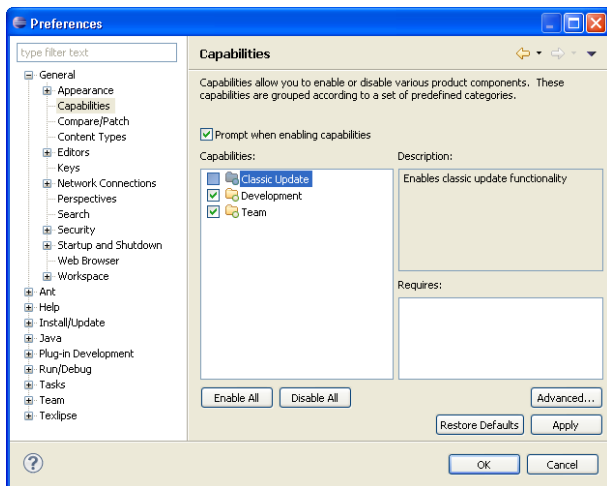




File > Export... > Deployable plug-ins and fragments



Window > Preferences > General > Capabilities > Classic Update

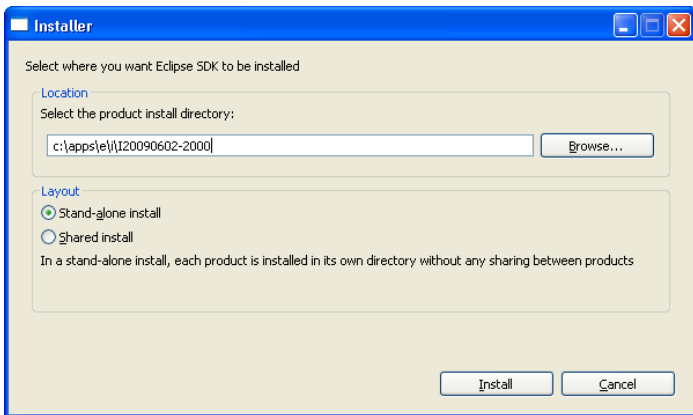


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- small, less than 6MB
- multi-threading
- pack200 compression
- dynamic mirror balancing
- certificate validation





```
eclipse.p2.metadata=  
    http://download.eclipse.org/eclipse/updates/3.5-I-builds  
eclipse.p2.artifacts=  
    http://download.eclipse.org/eclipse/updates/3.5-I-builds  
eclipse.p2.rootId=org.eclipse.sdk.ide  
eclipse.p2.profileName=Eclipse SDK  
eclipse.p2.launcherName=eclipse  
eclipse.p2.rootVersion=3.5.0.I20090602-2000  
eclipse.p2.autoStart=true  
eclipse.p2.installLocation=c:/apps/e/i/I20090602-2000
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- <http://download.eclipse.org/eclipse/updates/3.5-N-builds>
- <http://download.eclipse.org/eclipse/updates/3.5-I-builds>
- <http://download.eclipse.org/eclipse/updates/3.5milestones>



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All update sites

http://wiki.eclipse.org/Eclipse_Project_Update_Sites



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- p2 agent
- p2 director (headless)
- Mirroring remote repositories
- Metadata management
- API
- p2 in OSGi console
- ...



- [Equinox/p2 home page](#)
- [Equinox/p2 at EclipseSource](#)
- [Getting started](#)
- [p2 Concepts](#)
- [p2 Installer](#)
- [Equinox downloads](#)



- **Bugs** <http://bugs.eclipse.org/bugs>
- **CVS** `:pserver:anonymous@dev.eclipse.org/cvsroot/rt/org.eclipse.equinox/p2/`
- **IRC** #eclipse channel at freenode.net



Thank you

Thank you

