Eclipse Platform

Package Explorer

There are no projects in your workspace.
To add a project:

Create a Java project
Create a project...
Import projects...

Outline

There is no active editor that provides an outline.

Today's displays are not 92 DPI any more

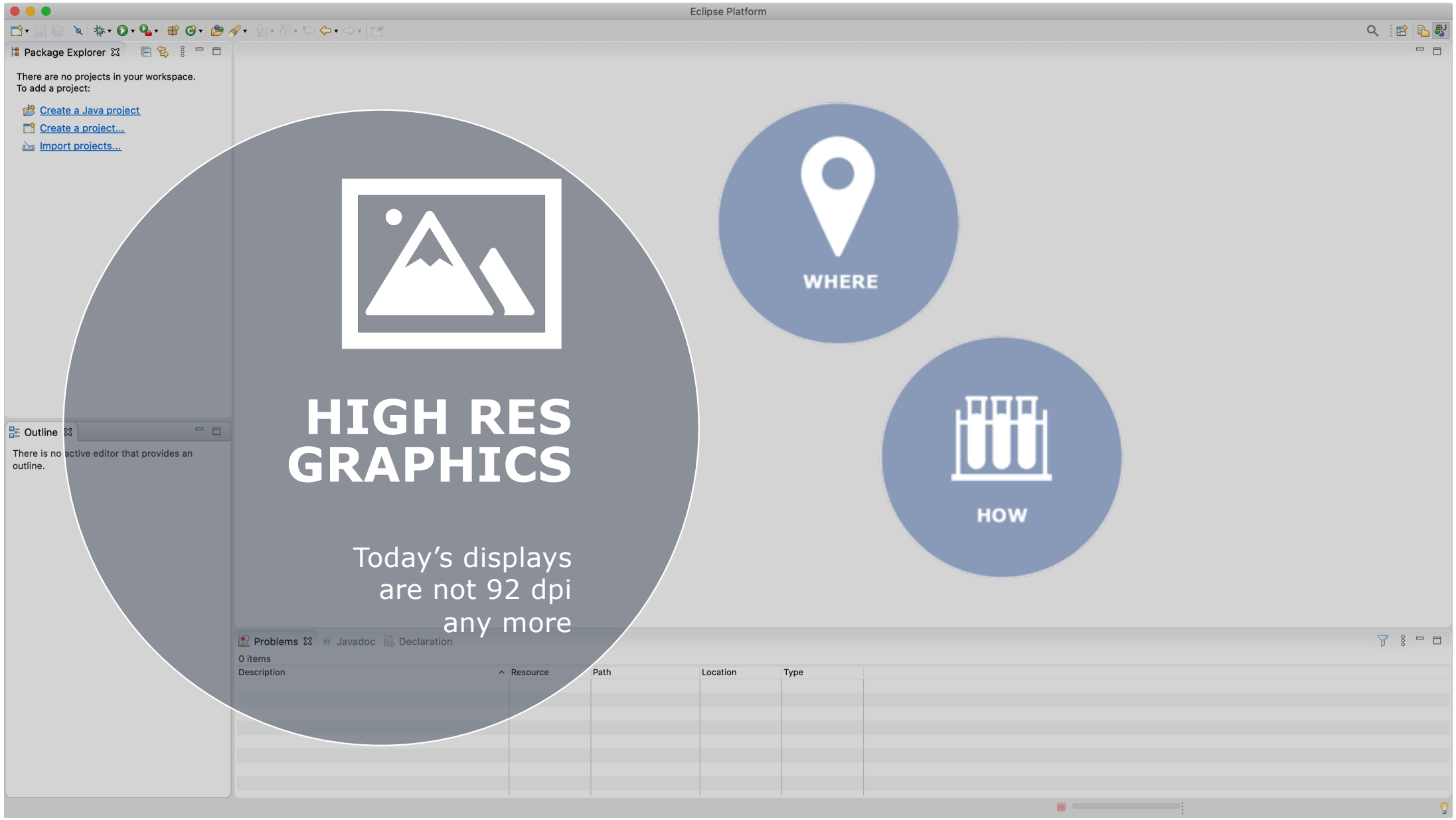
Matthias Becker
(ma.becker@sap.com)
SAP SE
Eclipse Platform Committer

Problems | Javadoc | Declaration

0 items

Description	Resource	Path	Location	Type

HIGH RES GRAPHICS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WHERE
HOW
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Declaration
0 items
Description
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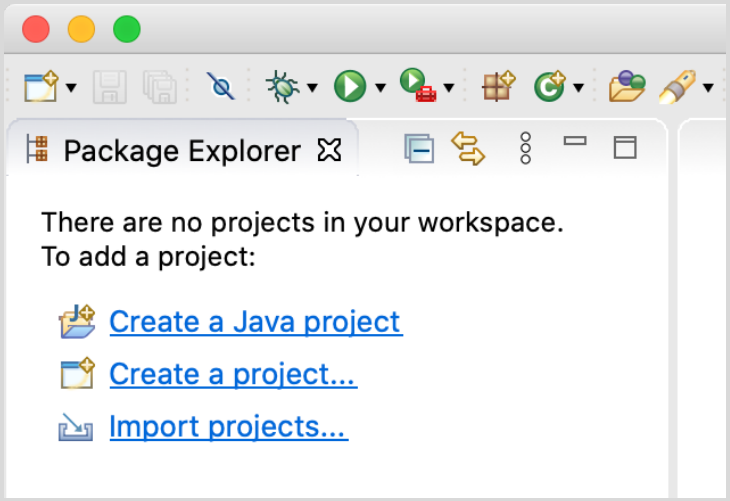
Path
Location
Type

WHERE

ERE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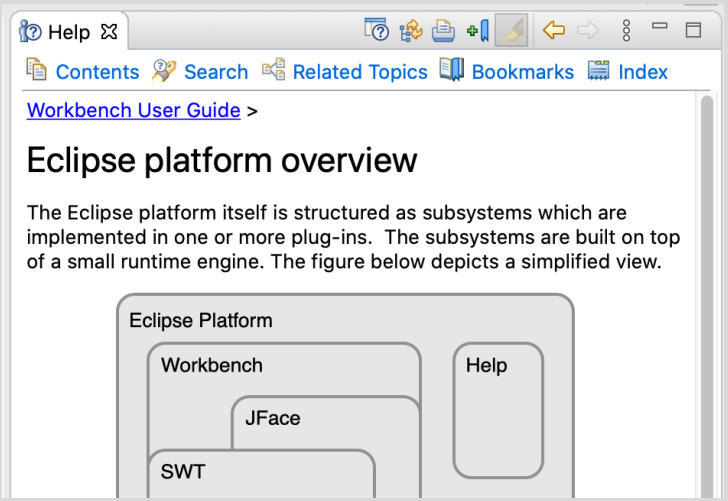
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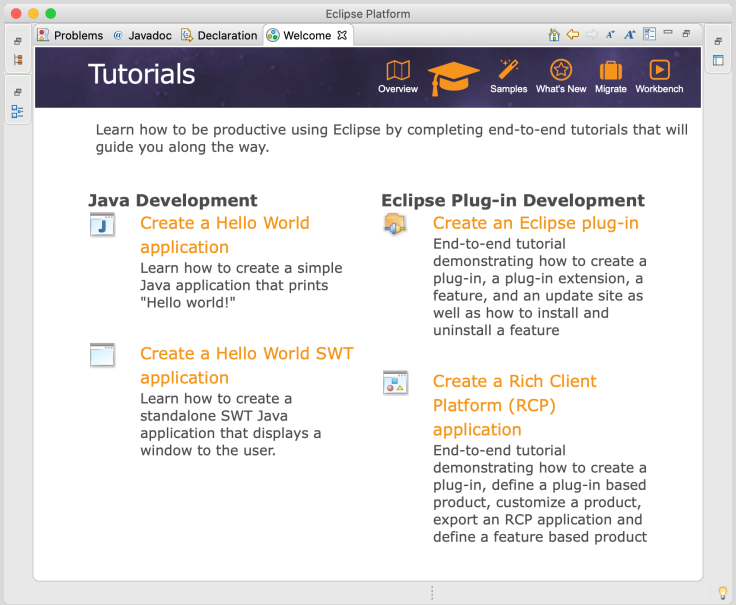
Workbench User Guide >
Eclipse platform overview
The Eclipse platform itself is structured as subsystems which are implemented in one or more plug-ins. The subsystems are built on top of a small runtime engine. The figure below depicts a simplified view.
Eclipse Platform
Workbench
JFace
SWT
Help


Eclipse Platform
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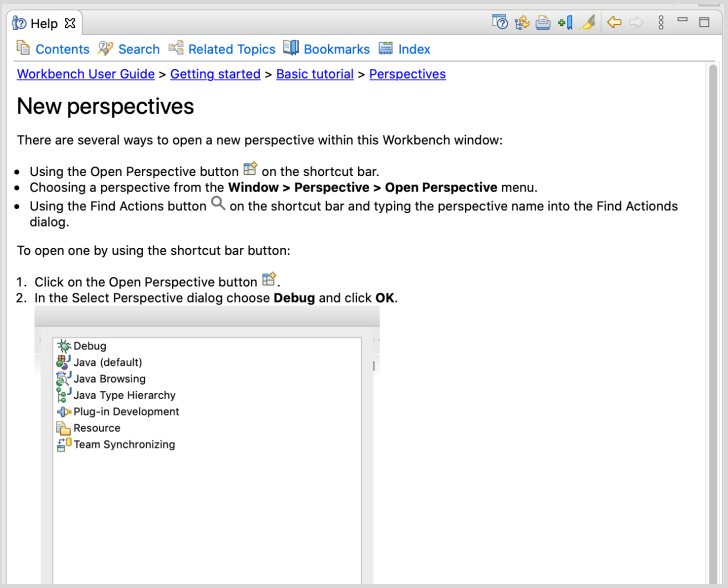
Tutorials
Overview
Samples
What's New
Migrate
Workbench
Learn how to be productive using Eclipse by completing end-to-end tutorials that will guide you along the way.
Java Development
Create a Hello World application
Learn how to create a simple Java application that prints "Hello world!"
Create a Hello World SWT application
Learn how to create a standalone SWT Java application that displays a window to the user.
Eclipse Plug-in Development
Create an Eclipse plug-in
End-to-end tutorial demonstrating how to create a plug-in, a plug-in extension, a feature, and an update site as well as how to install and uninstall a feature
Create a Rich Client Platform (RCP) application
End-to-end tutorial demonstrating how to create a plug-in, define a plug-in based product, customize a product, export an RCP application and define a feature based product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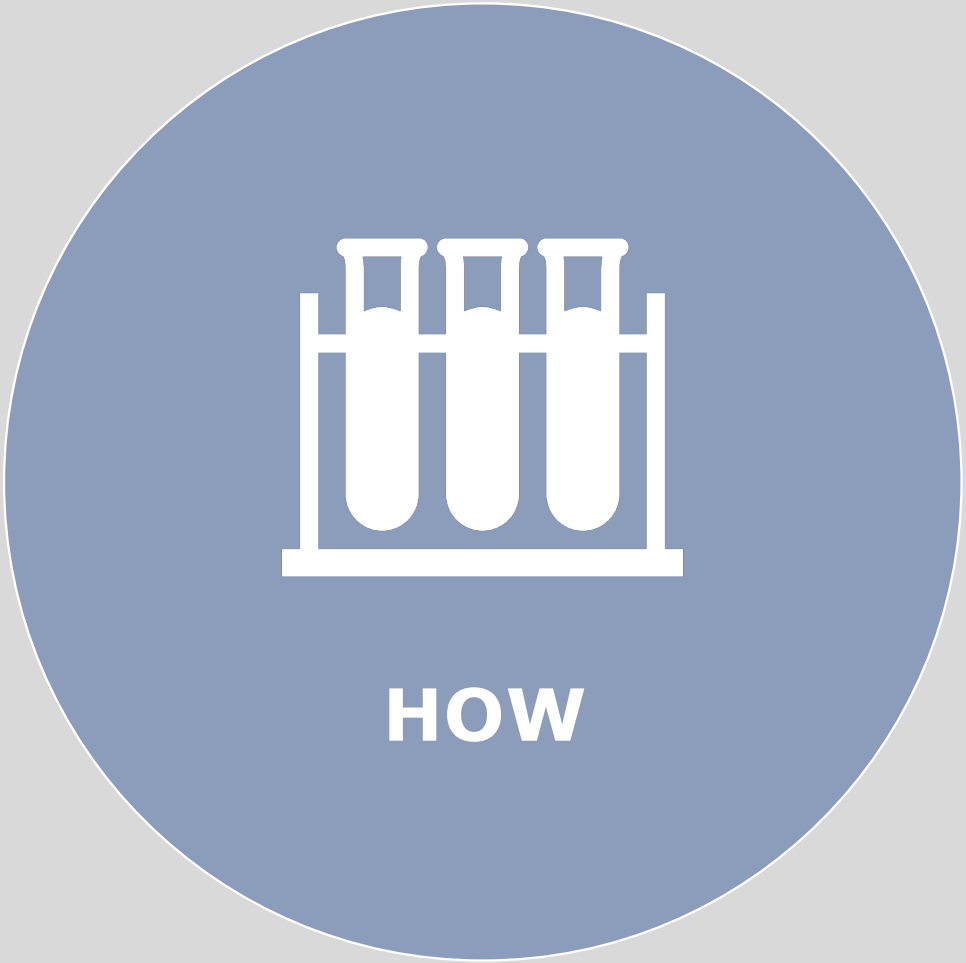
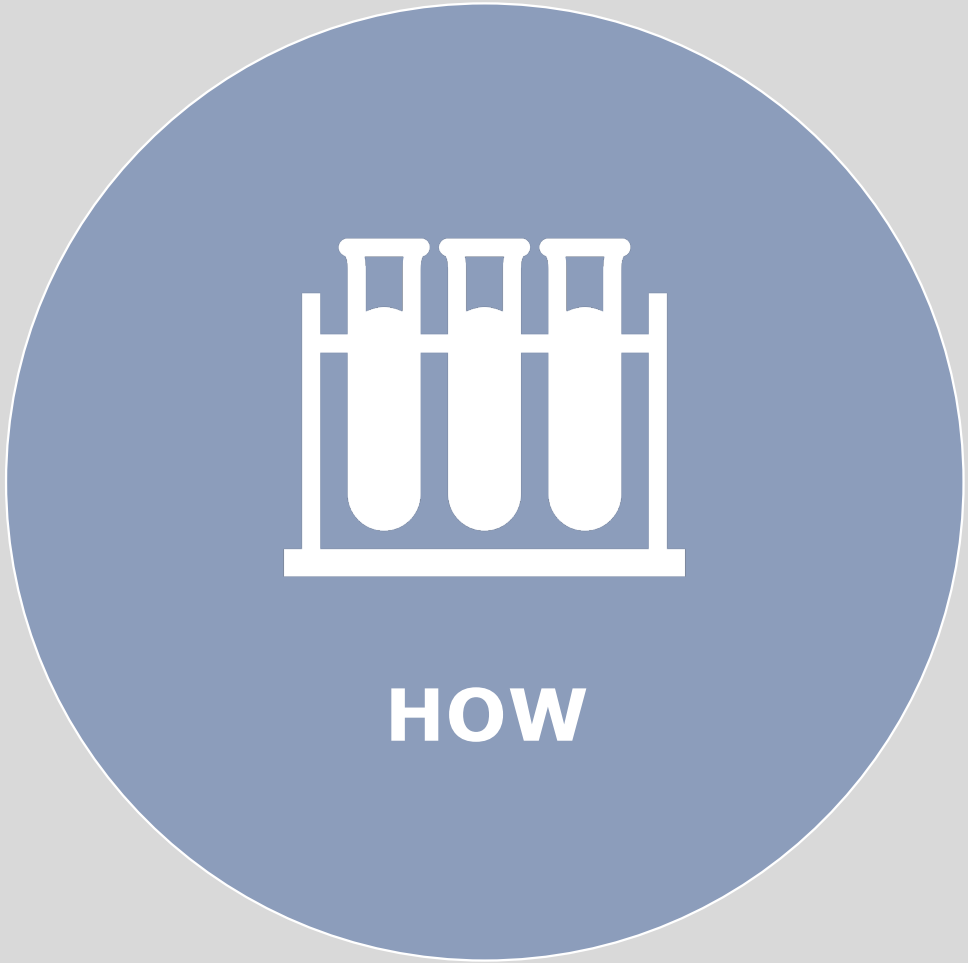
Workbench User Guide > Getting started > Basic tutorial > Perspectives
New perspectives
There are several ways to open a new perspective within this Workbench window:
Using the Open Perspective button on the shortcut bar.
Choosing a perspective from the Window > Perspective > Open Perspective menu.
Using the Find Actions button on the shortcut bar and typing the perspective name into the Find Actionds dialog.
To open one by using the shortcut bar button:
1. Click on the Open Perspective button.
2. In the Select Perspective dialog choose Debug and click OK.
Debug
Java (default)
Java Browsing
Java Type Hierarchy
Plug-in Development
Resource
Team Synchronizing

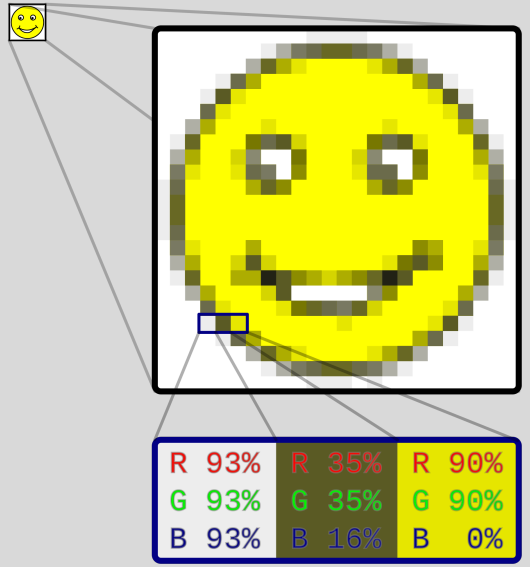

HOW



- Vector Graphics
- High Resolution Raster Graphics

Raster Images

- Encoded as list of pixels
- Fast to read but not very flexible
- Get blurry when scaled up



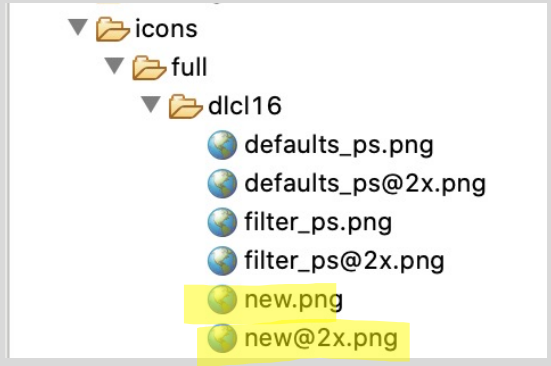
Vector Images

- Encoded as drawing operations
- Slow(er) to read but very flexible
- Stay crisp when scaled up

```
<path inkscape:connector-curvature="0"
  id="path835"
  d="m 1,1 3,3"
  style="…" />
```

Icons

- SWT does not support SVG
- (Re-) Draw icons as SVG
- Generate PNGs in multiple resolutions

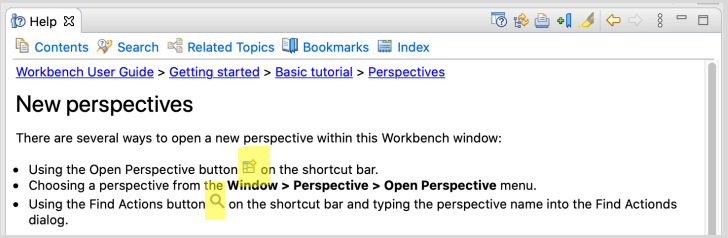


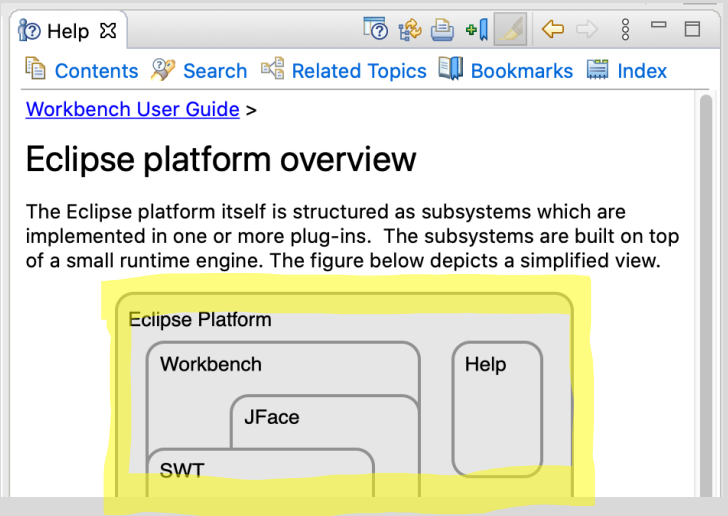
```
<command commandId=”…"
  icon="icons/full/elcl16/new.png"
  label="%Views.NewPropertySheet"
  style="push"/>
```

https://bugs.eclipse.org/bugs/show_bug.cgi?id=468945

Documentation I

- Use SVGs directly



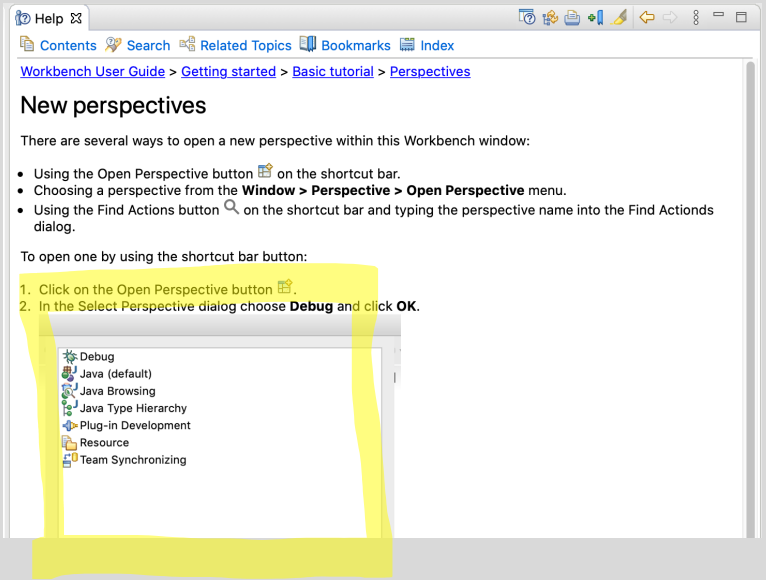


<img src="../../images/arch-npi.svg">

https://bugs.eclipse.org/bugs/show_bug.cgi?id=548008

Documentation II

- Don’t use screenshots!
- Make high resolution screenshots
- Scale down in HTML code



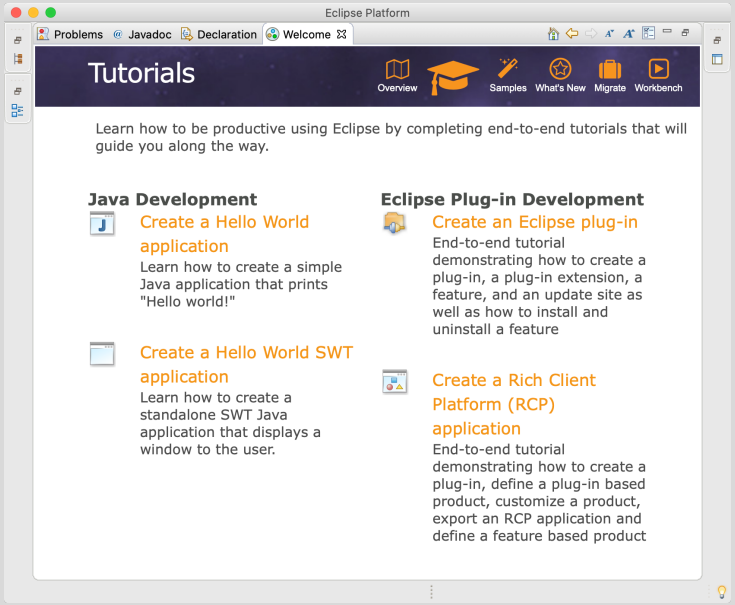

```
<img src="../select_pers.png" width="350">
```

https://bugs.eclipse.org/bugs/show_bug.cgi?id=559498
https://bugs.eclipse.org/bugs/show_bug.cgi?id=566988

Welcome Page

- Use SVGs directly

```
<extensionContent id="..." >
  <group label="Java Development">
    <link id="hello-world" >
      <text>...</text>
    </link>
  </group>
```

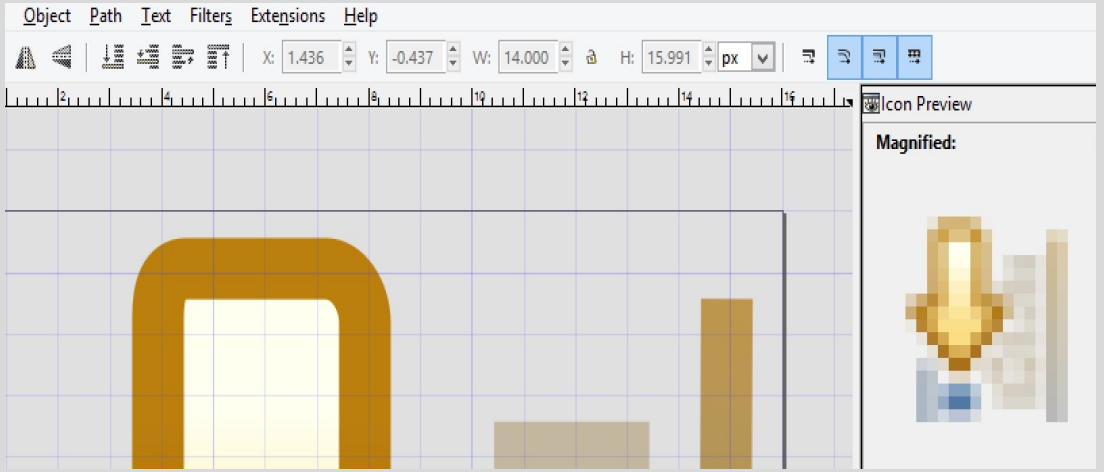


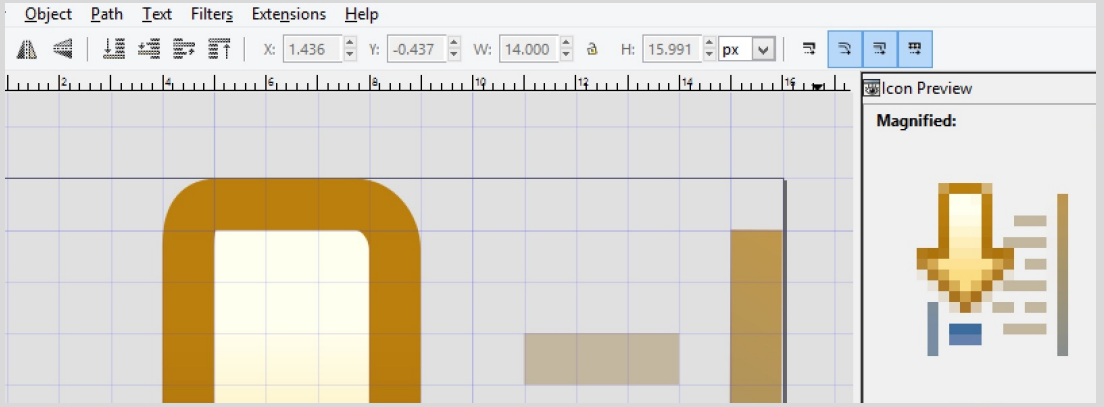

```
a#hello-world img {background-image:url("../javaapp48.svg");}
```

https://bugs.eclipse.org/bugs/show_bug.cgi?id=560465

Icons – Pixel Alignment

- Align at exact pixel borders
- Enable page grid
- Use “snap” function





Icons – Level of Detail

- Not too much detail
- Stroke size 1 px

Icons – Consistent Language

- Use existing elements
- Same color palette

Evaluate the Sessions

- Please help by leaving feedback on the sessions you attend!
- To rate a session, you must be registered for it in Swapcard BEFORE the talk starts.
- Swapcard will prompt you to leave feedback after the end of each session.
- You may also rate a talk by locating the session from the “Agenda” or “My Event” buttons on the Event Home page. Click on the session and look for the “Give your feedback” box.

Thank you!

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