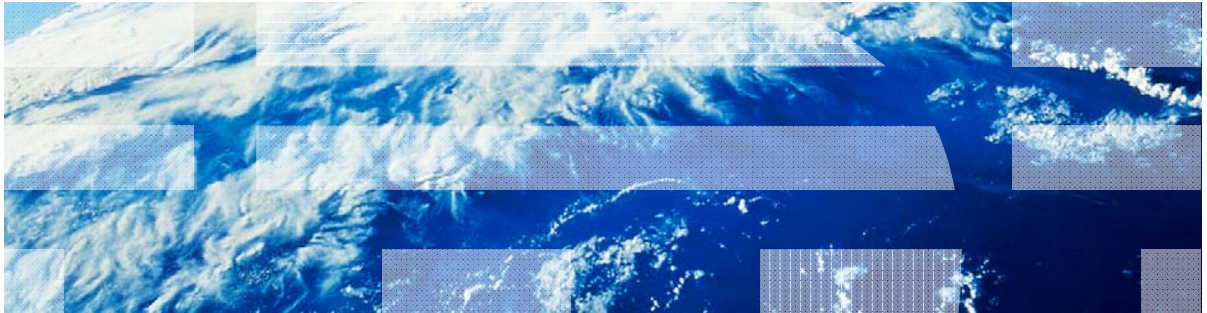


IBM Worklight V6.0.0 Getting Started

Setting up your Worklight development environment



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Agenda

- Requirements
- Installing Eclipse
- Installing Worklight Studio
 - Overview
 - Installation
- Appendix: Eclipse Overview

Development environment: choice of operating system

- Worklight® Studio of the IBM Worklight Developer Edition is supported on the following operating systems:
 - Windows
 - Mac OS
 - Linux
- You can develop IBM Worklight applications with iOS environments on any of these operating systems. However, due to restrictions set by Apple, you can compile an iOS project only on a Mac OS.
- When used on a Mac OS, the Worklight Studio integrates with Xcode (the iOS development environment).
- For more information, see the IBM Worklight Information Center.

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Eclipse: Introduction

- Multi-purpose Integrated Development Environment (IDE)
- Open source
- Development efficiency:
 - Editor
 - Debugger
 - Source Control
- Worklight Studio is a plug-in for Eclipse that supports the efficient development of rich, multi-channel applications.

Eclipse Downloading

- Eclipse can be downloaded at <http://www.eclipse.org/>
- The supported versions of Eclipse are:
 - **Eclipse Juno v4.2.2 (SR2)**
 - **Eclipse Classic v4.2.2**

Eclipse Juno Sr2 Packages



Eclipse IDE for Java EE Developers

(228 MB)

Downloaded 2,567,595 Times

[Details](#)



Eclipse Classic 4.2.2 (32-bit)

Date added: March, 1st 2013 - (Freeware)

Eclipse Downloading

- After selecting Eclipse IDE for Java EE developers, download the package.



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Worklight Studio: overview

- Worklight Studio Developer Edition is an Eclipse plug-in that contains an embedded version of Worklight Server.
- You use Worklight Studio Developer Edition to:
 - Create and modify applications
 - Deploy applications to the embedded Worklight Server
 - Preview and manage applications by using Worklight Console
 - Create custom server-side Java code that can be used by Worklight adapters
 - Create and modify Worklight adapters
 - Deploy Worklight adapters to the embedded Worklight Server
 - Test Worklight adapter procedures

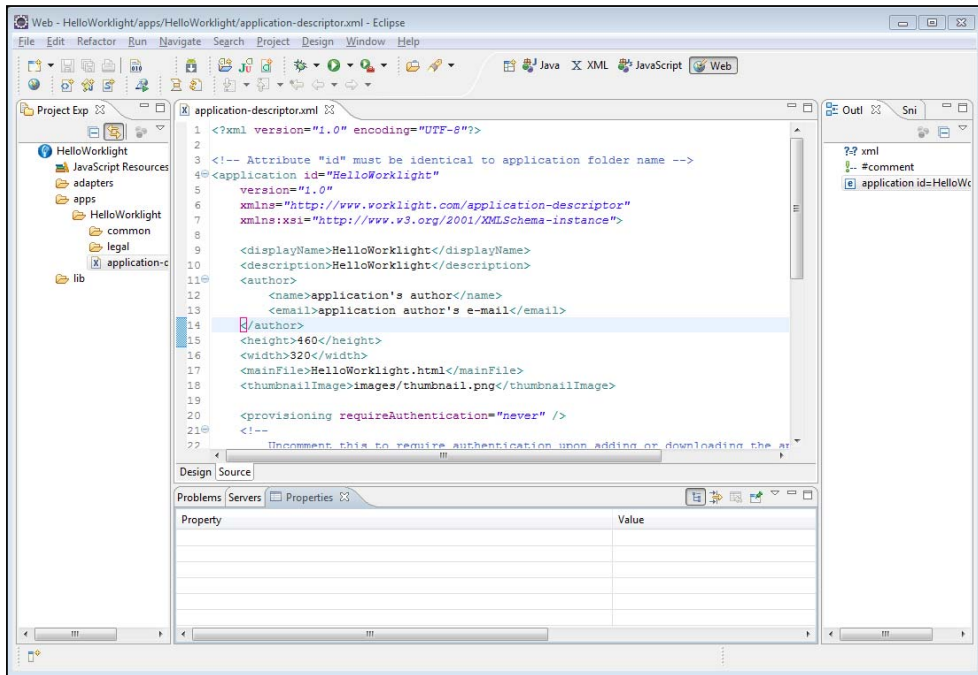
Downloading Worklight Studio

- You can install Worklight Studio Developer Edition by searching for “worklight” in the Eclipse Marketplace (**Help > Eclipse Marketplace**).
- Alternatively, from Eclipse, you can add the **Worklight Studio Developer Edition** Eclipse update site, and install Worklight Studio directly from the web.
- For more information about how to download and install Worklight Studio, see <http://www.ibm.com/developerworks/mobile/worklight.html>.

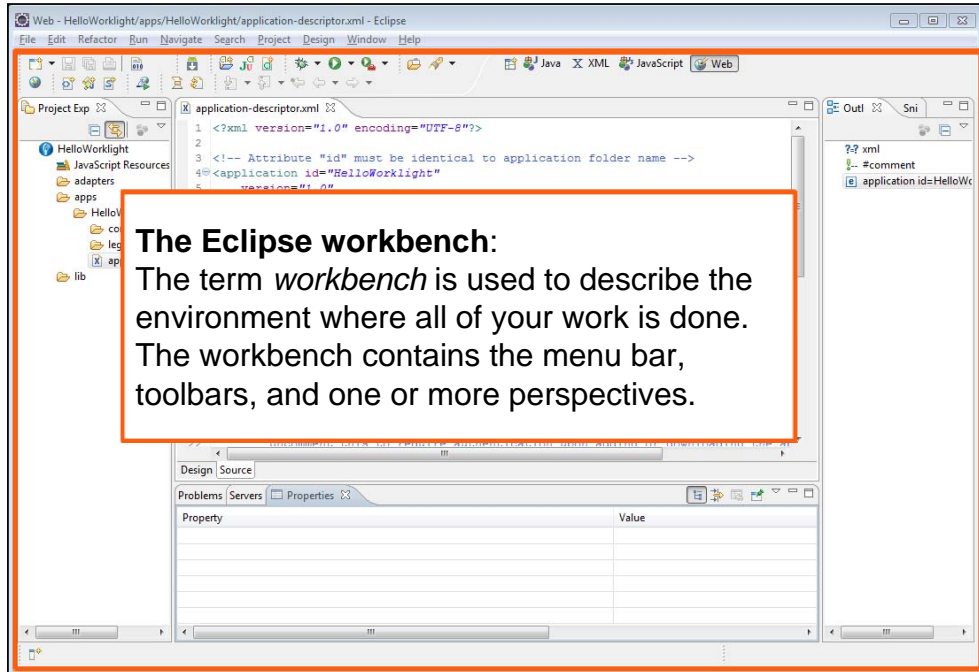
Agenda

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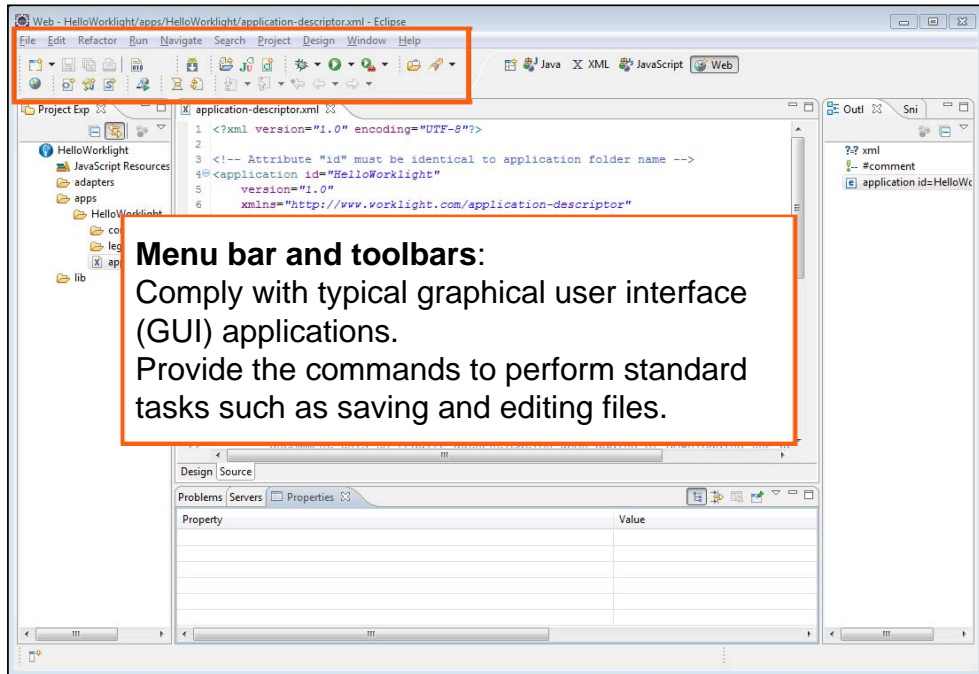
Eclipse Terminology: Workbenches



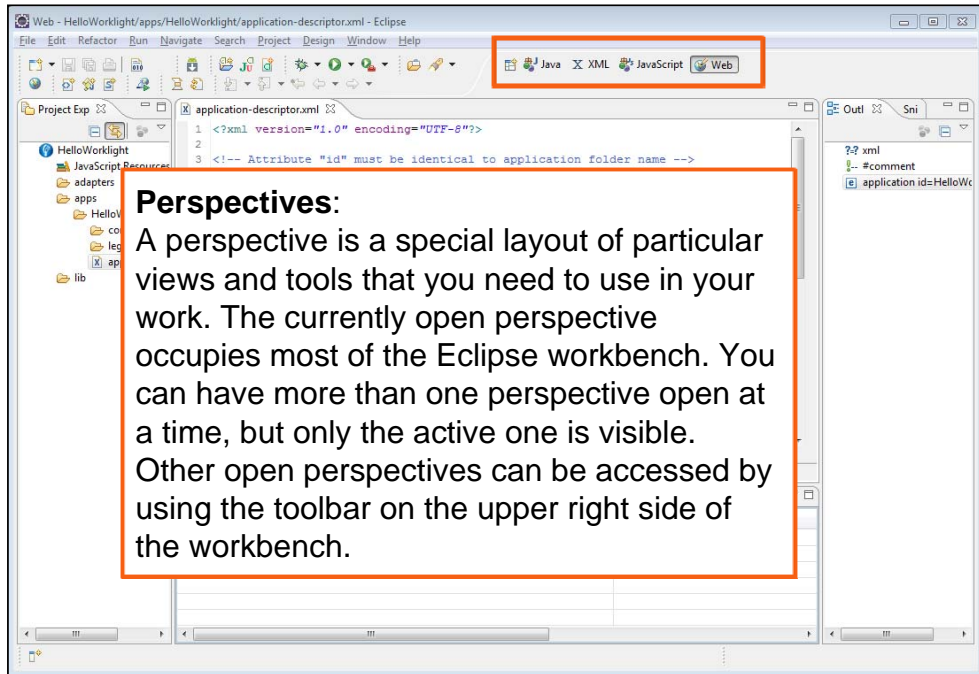
Eclipse Terminology: Workbenches



Eclipse Terminology: Menu bar and Toolbar



Eclipse Terminology: Perspectives



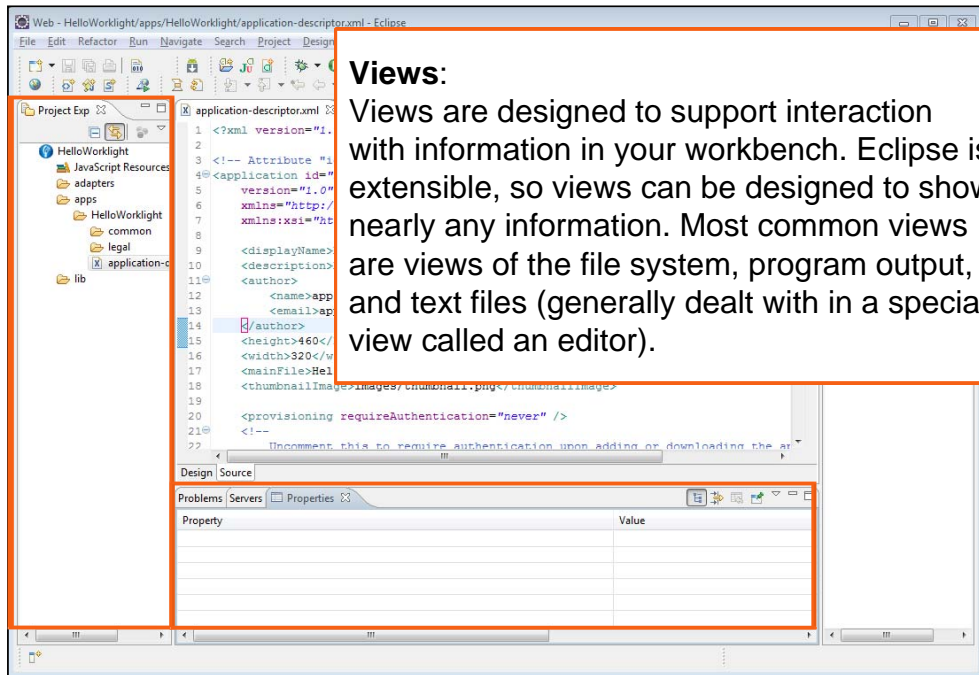
The screenshot shows the Eclipse IDE interface. The top toolbar has a red box around the perspective icons: Java, XML, JavaScript, and Web. The 'Web' icon is currently selected. The main editor area shows an XML file named 'application-descriptor.xml' with the following content:

```
1 <?xml version="1.0" encoding="UTF-8"?>
2
3 <!-- Attribute "id" must be identical to application folder name -->
```

The Project Explorer on the left shows a project named 'HelloWorklight' with subfolders 'adapters', 'apps', 'HelloV', 'co', 'leg', 'ap', and 'lib'. The Outline view on the right shows the XML structure with a comment and an attribute: 'application id=HelloW'.

Perspectives:
A perspective is a special layout of particular views and tools that you need to use in your work. The currently open perspective occupies most of the Eclipse workbench. You can have more than one perspective open at a time, but only the active one is visible. Other open perspectives can be accessed by using the toolbar on the upper right side of the workbench.

Eclipse Terminology: Views (1 of 2)



The screenshot shows the Eclipse IDE interface. The Project Explorer on the left displays a project named 'HelloWorklight' with sub-projects like 'adapters', 'apps', 'common', 'legal', and 'lib'. The Editor view in the center shows an XML file named 'application-descriptor.xml' with the following content:

```
<?xml version="1.0"
<!-- Attribute "i
<!-- application id="
version="1.0"
xmlns="http://
xmlns:xsi="ht
<displayName>
<description>
<author>
<name>app
<email>ap
</author>
<height>460</
<width>320</w
<mainFile>Hel
<thumbnailImage>images/thumbnail.png</thumbnailImage>
<provisioning requireAuthentication="never" />
<!--
Uncomment this to require authentication upon adding or downloading the ar
```

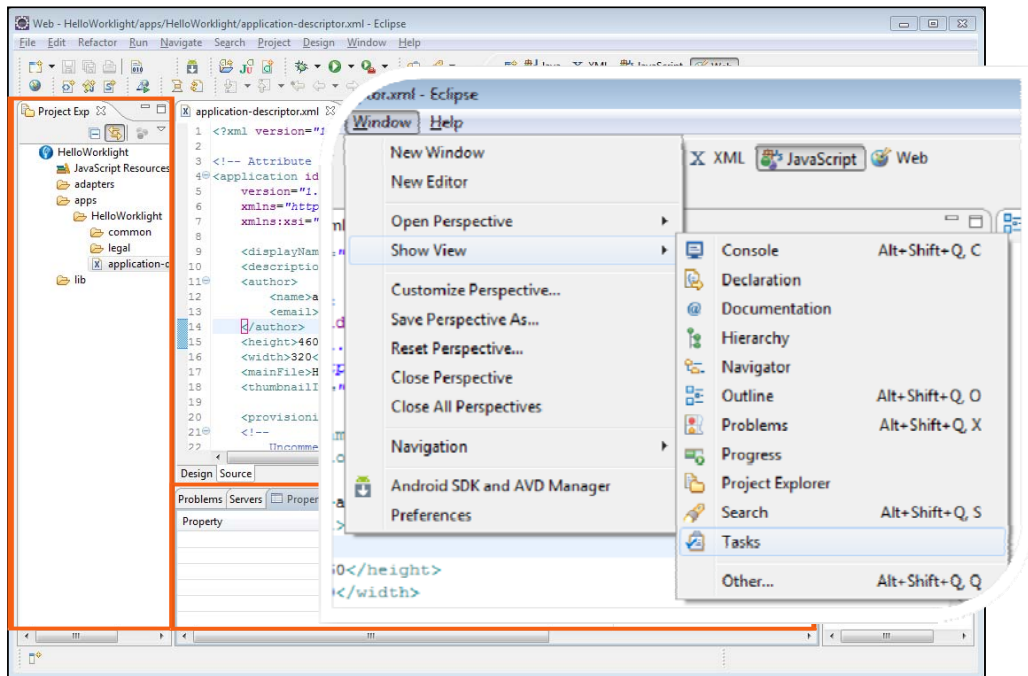
The Properties view at the bottom shows a table with the following structure:

Property	Value

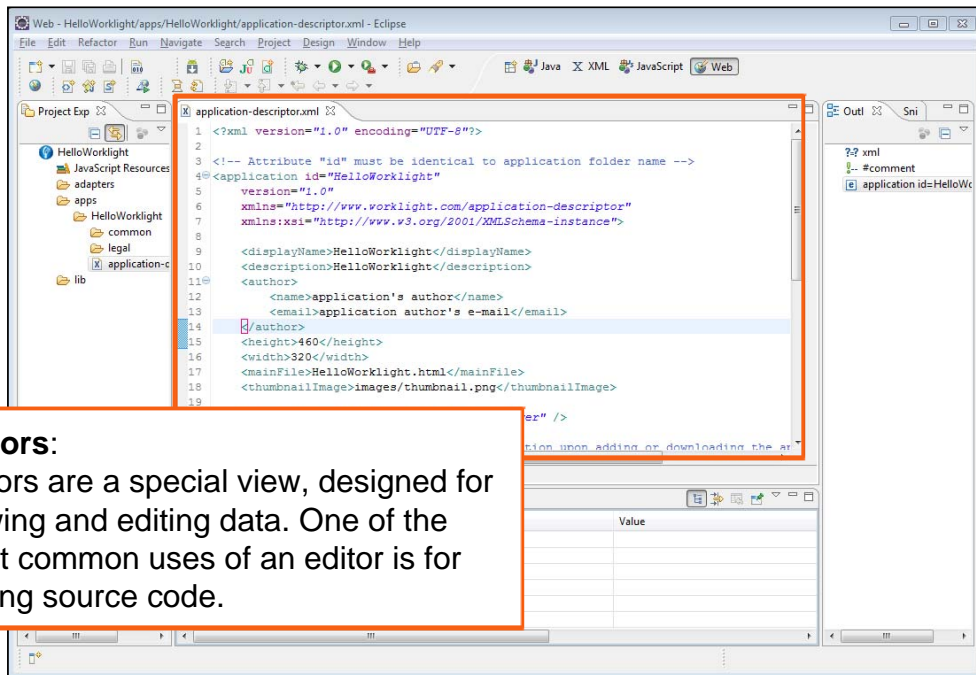
Views:

Views are designed to support interaction with information in your workbench. Eclipse is extensible, so views can be designed to show nearly any information. Most common views are views of the file system, program output, and text files (generally dealt with in a special view called an editor).

Eclipse Terminology: Views (2 of 2)



Eclipse Terminology: Editors

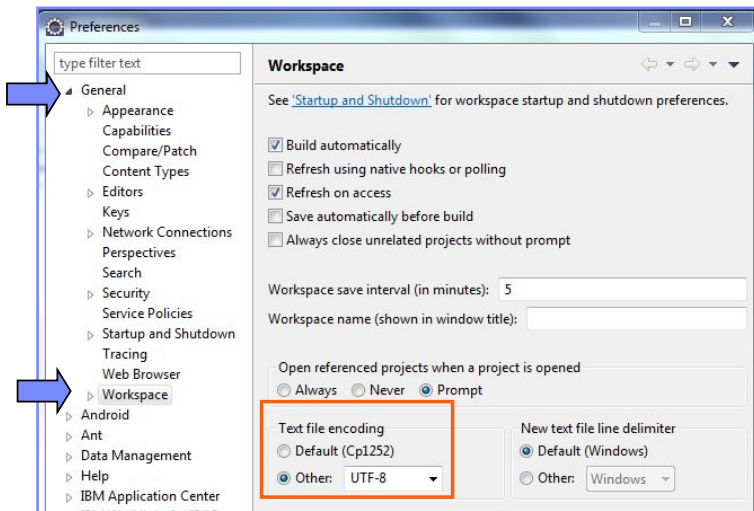


Editors:

Editors are a special view, designed for viewing and editing data. One of the most common uses of an editor is for editing source code.

Eclipse

- Before beginning to create projects and work with your eclipse installation, go to **Window > Preferences > General > Workspace**, and change the text file encoding to **UTF-8**.



Useful Keyboard Shortcuts

- CTRL + F: find
- CTRL + K: find next
- CTRL + J: incremental find next
- CTRL + L: go to line
- CTRL + SHIFT + R: open resource
- CTRL + Q: last edit location
- ALT + ← (left): back
- ALT + → (right): forward

- Note: CTRL key is for Linux and Windows. Use CMD key on Mac instead.

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