

ArchiveViewer Eclipse

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Overview

- ⇒ **View vs. Editor (et. al.)**
- ⇒ **Swing vs. SWT**
- ⇒ **BufferedImage vs. SWT Image**
- ⇒ **Controller (events)**
- ⇒ **Plugin.xml**

Eclipse Extensions

⇒ **View vs. Editor (et. al.)**

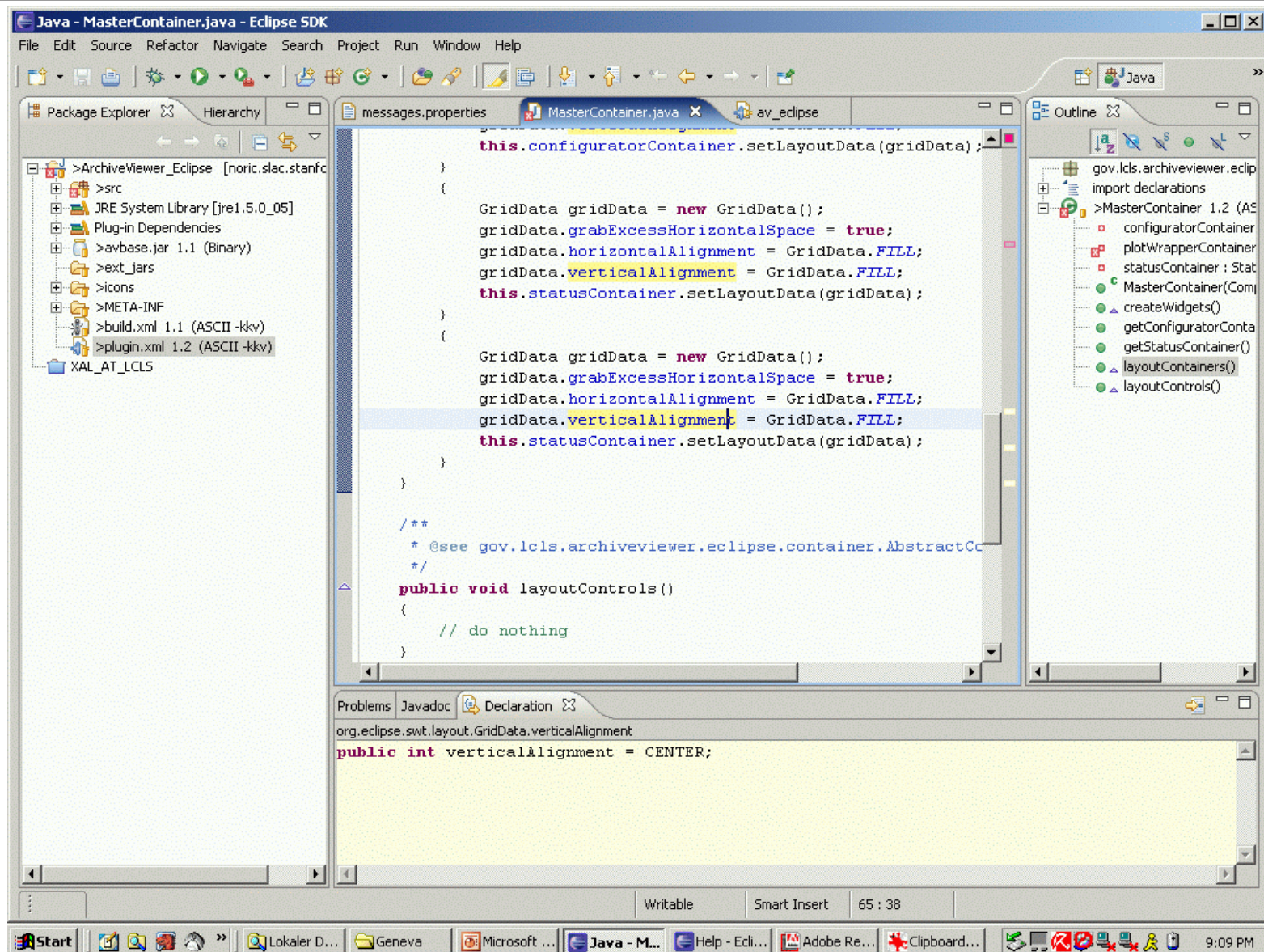
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Eclipse Extensions



Major Workbench Extensions

Editor

one instance per document

View

supports editors

one instance per workbench

Archive Viewer Examples

Editors

main panel, incl. plot plugins

Views

search

export panel

messages

calendar

Preferences

Swing vs. SWT

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Swing into SWT

Basic widgets similar

Visual Editor

parent container

Layouts simpler

GridLayout vs. GridLayout

Can be automated?

Imaging

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Major Drawback

AWT/Swing and SWT images incompatible

transformation pixel by pixel

different handling of alpha

performance

MVC

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MVC

MODEL stays

VIEW can be adapted programmatically

CONTROLLER

different syntax

same principles

Eclipse Plugin

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Eclipse Plugin

Plugin.xml

flexible

Eclipse provides editor

tests within Eclipse

Manifest file

configuration/version management

automated update

Problems

Insufficient documentation

mailing list

Inexperience

initial estimates quadrupled

Psychological aspects

The End

Thank you

