

An Introduction to the Window System

Agenda

- Problem statement
- Solution
- Demos:
 - Creating a TopComponent
 - Opening a File in a TopComponent
 - Porting a Swing Application
 - Watching Movies in a TopComponent

Demo

- Simple Java application

Problems

- More is needed than putting a window on the screen:
 - menus, toolbars, other common stuff
 - context sensitivity
 - moving/repositioning
 - group behavior
 - docking/undocking
 - this is plumbing – boring, time sink, wheel
- Need a standard way to do this

Solution: TopComponent

- Logical window management
- Window state
- Selection management

Demo 1: Create a TopComponent

demo

Demo 2: Open File

demo

Demo 3: Port an Application

demo

Demo 4: Embed Movies

demo

What are its main classes?

- WindowManager
- TopComponent
- Mode
- TopComponentGroup

Advanced Topics

- Creating your own modes
- Creating a TopComponent group

Questions & Answers

