Ant and Eclipse

Darin Swanson
IBM Rational
Portland, Oregon
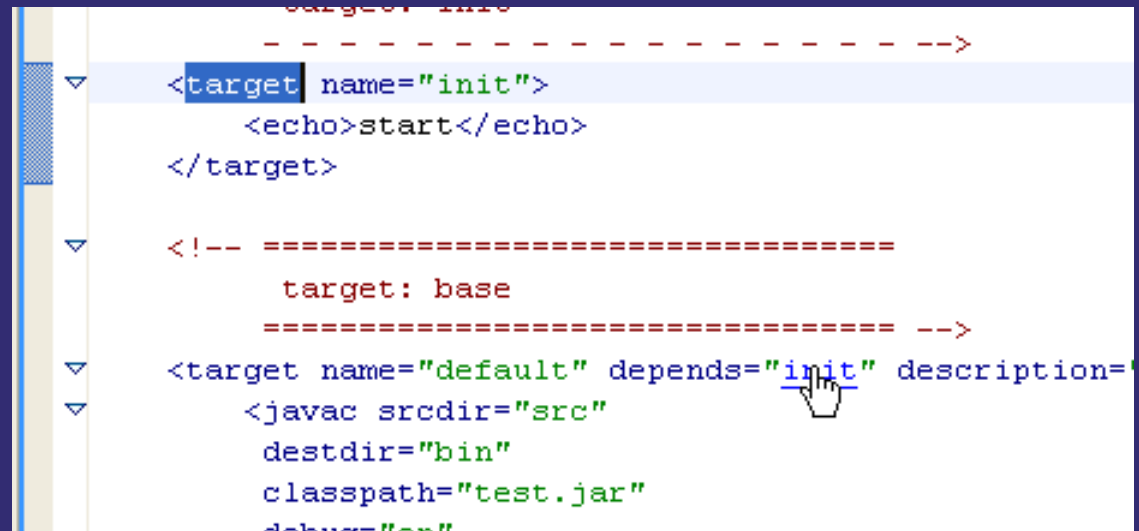
Why Ant and Eclipse?

- Two powerful, extendable tools integrated to help developers solve problems

Writing Ant Buildfiles: Ant Editor

- Content assist
- Text hovering
- Problem annotations
- Navigation
- Synchronized outline
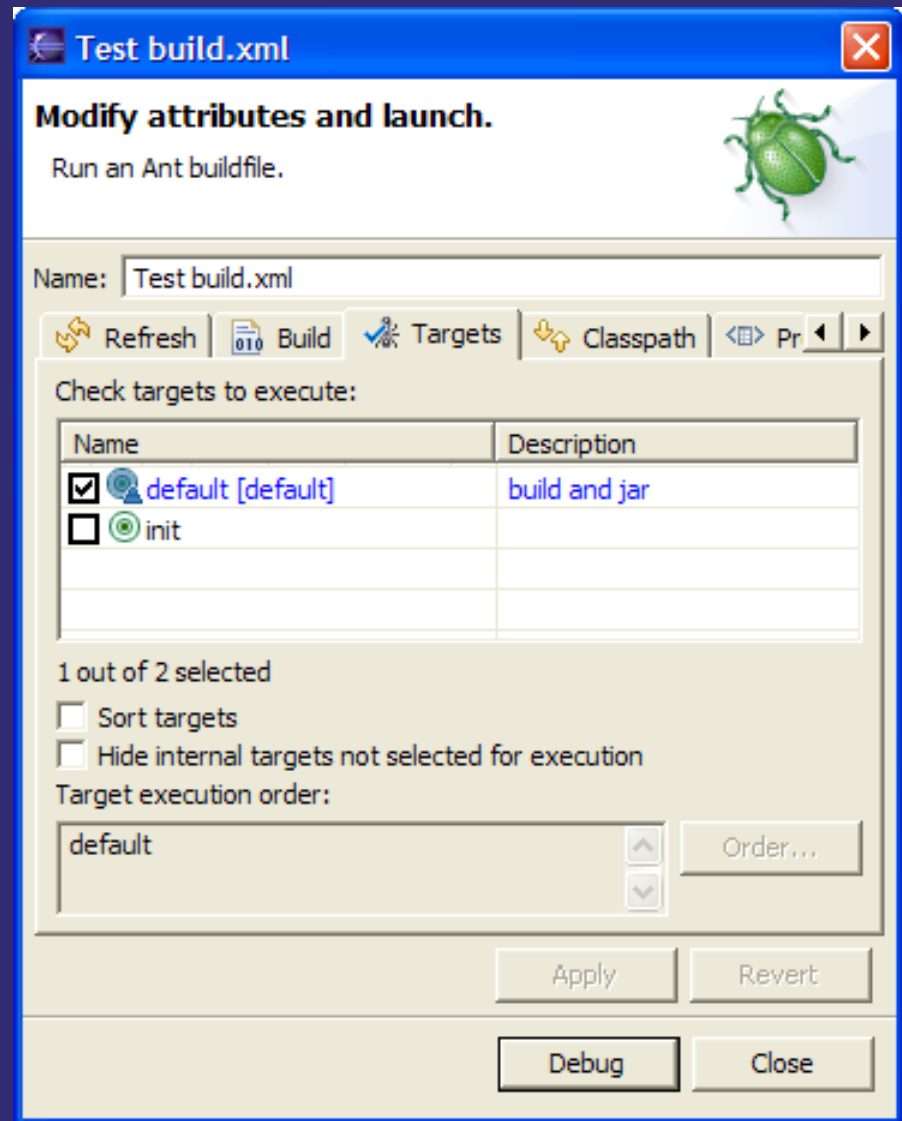- Formatting
- Open external documentation

Writing Ant Buildfiles: Ant Preferences

- Editor Preferences
  - Error annotations

- Runtime Preferences
  - Tasks, Type and Properties
    - Limit buildfile portability
  - Runtime classpath

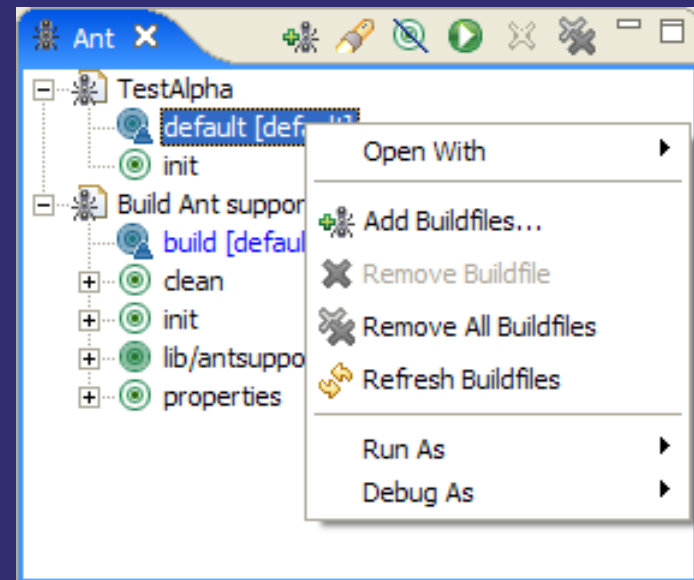# Ant builds in Eclipse: Launch configurations

Ant launch configurations

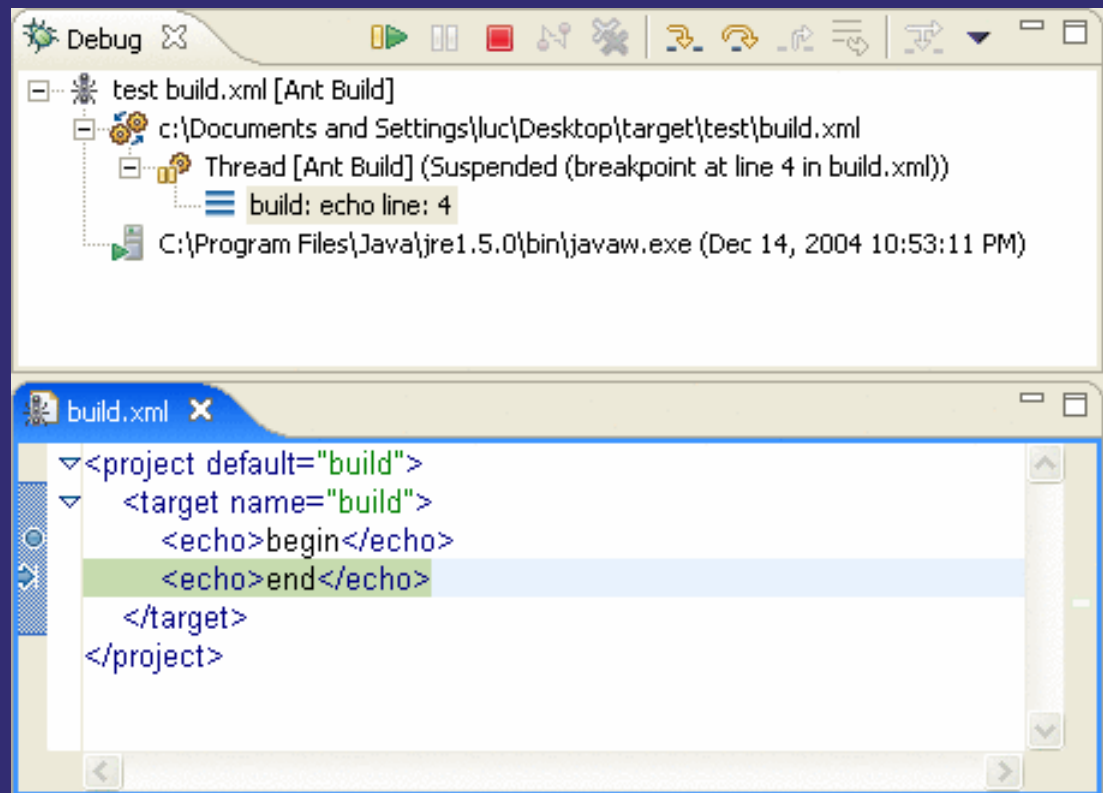- Mechanism for configuration of a specific Ant build

Running Ant Builds in Eclipse: Ant View

- Consolidates buildfiles in one location
- Simplifies running a single Ant target
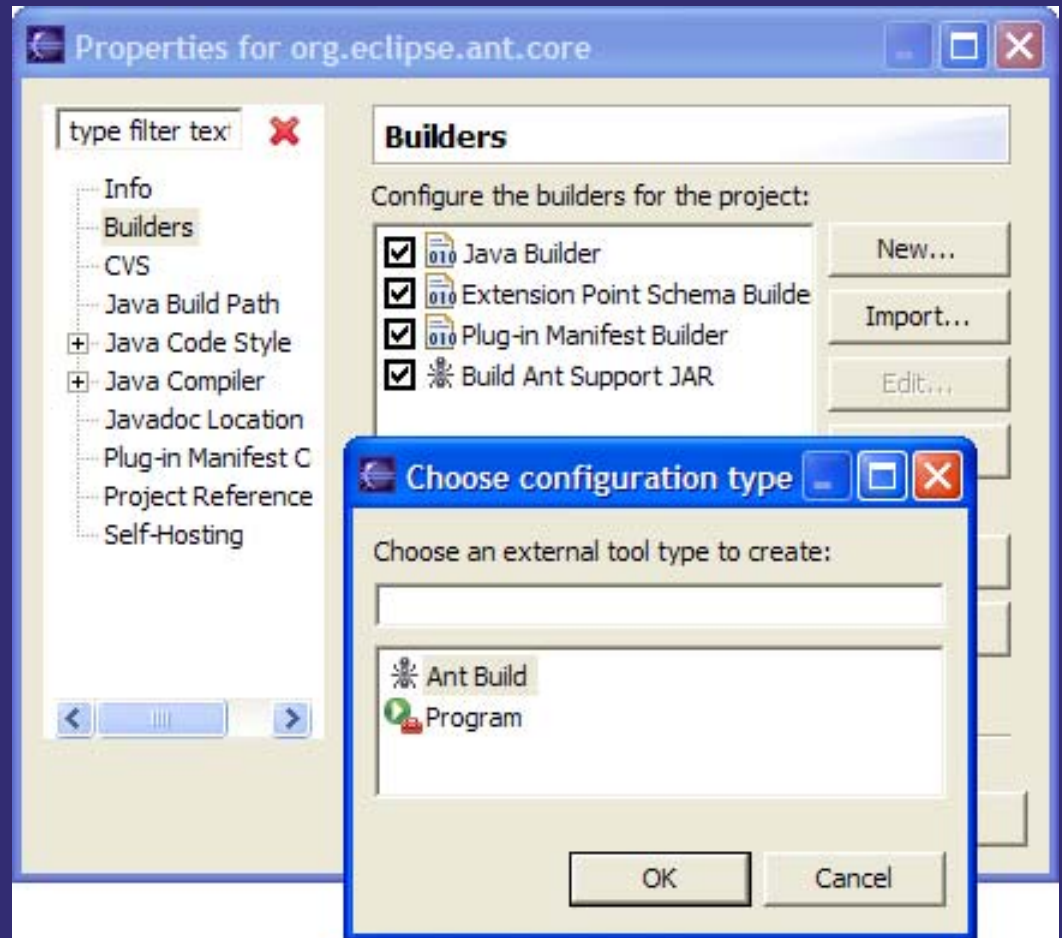
Debugging Ant Builds

- **Controlled execution of an Ant build**
    - Breakpoints
    - Stepping
    - Termination
    - Properties shown in the Variables View
        - System, User and Runtime
    - Run to line

Running Ant Builds in Eclipse: Builders

- Shareable
- Configurable
  - Refresh
  - Triggers

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Customize Eclipse: Ant Integration Extension Points

- **Tasks, types, properties and extra classpath entries**
  - Plugin customization of Ant runtime
- **All provided by the Ant Core plugin**

```
<extension
  point="org.eclipse.ant.core.extraClasspathEntries">
      <extraClasspathEntry
            library="lib/antsupportlib.jar">
      </extraClasspathEntry>
</extension>
```

Questions?

Contact with the Eclipse Ant Component
- Log bugs against the Platform Ant component for both features requests and problems (patches welcome ☺)
- eclipse.platform newsgroup on news.eclipse.org
- Darin_Swanson@us.ibm.com