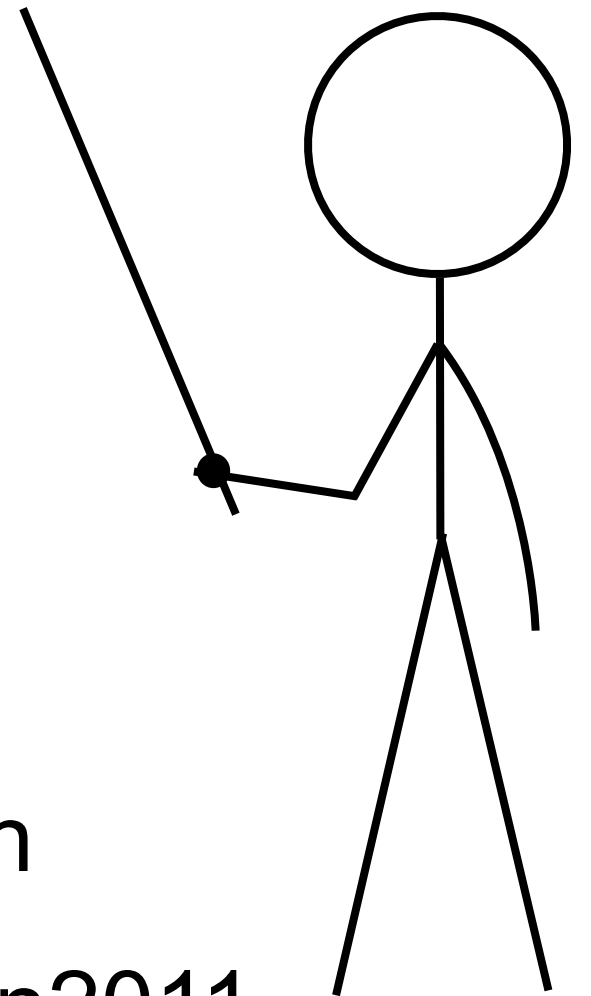


Getting Eclipse Preferences Under Control In Teams



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downloads: <https://contrails.ch/econ2011>

EclipseCon 2011 - Santa Clara, CA

README

Whoami

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Handout

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Disclaimer

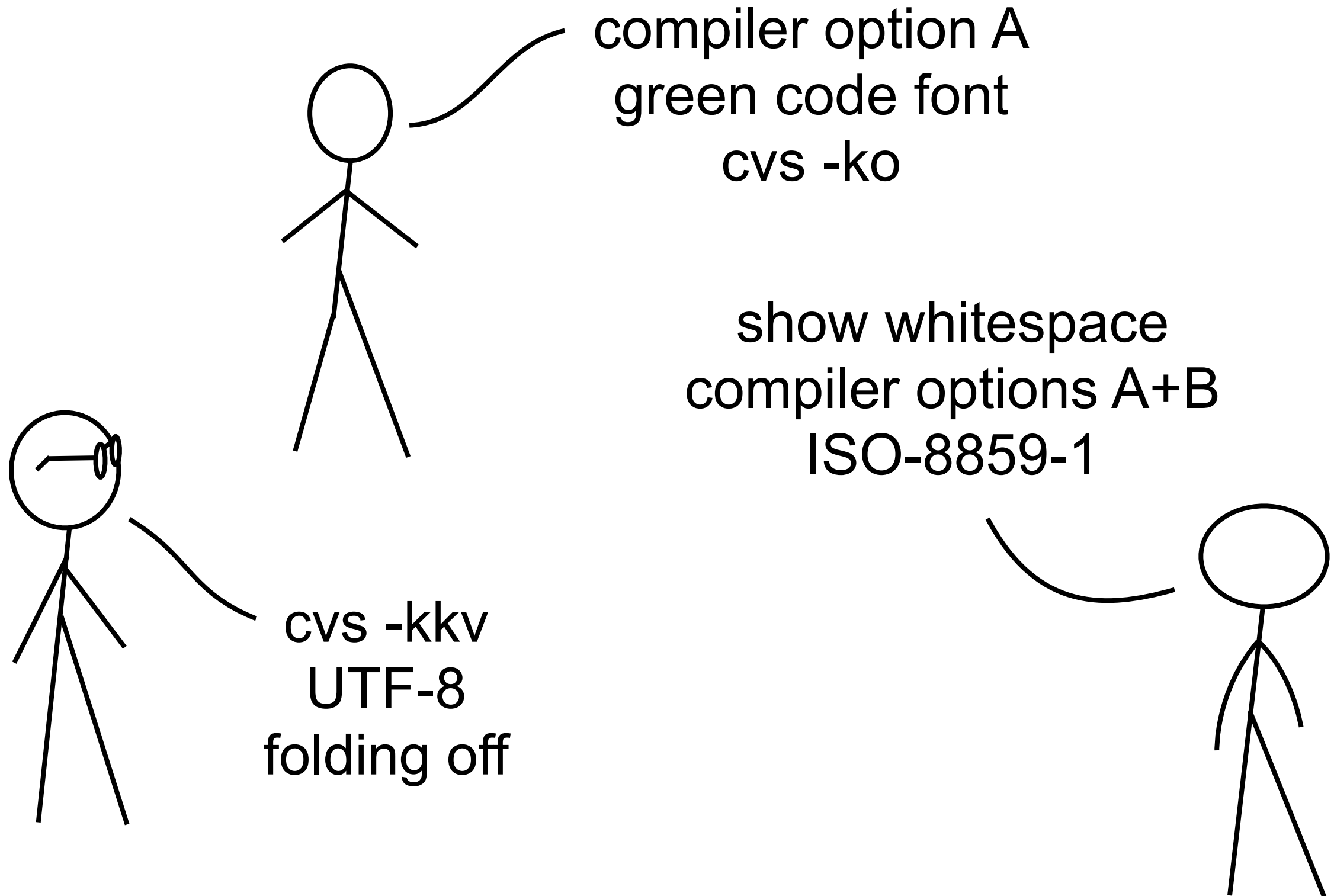
The speaker is the maintainer of the Eclipse Team Etceteras project and might therefore be biased.

Only freely available solutions were considered.

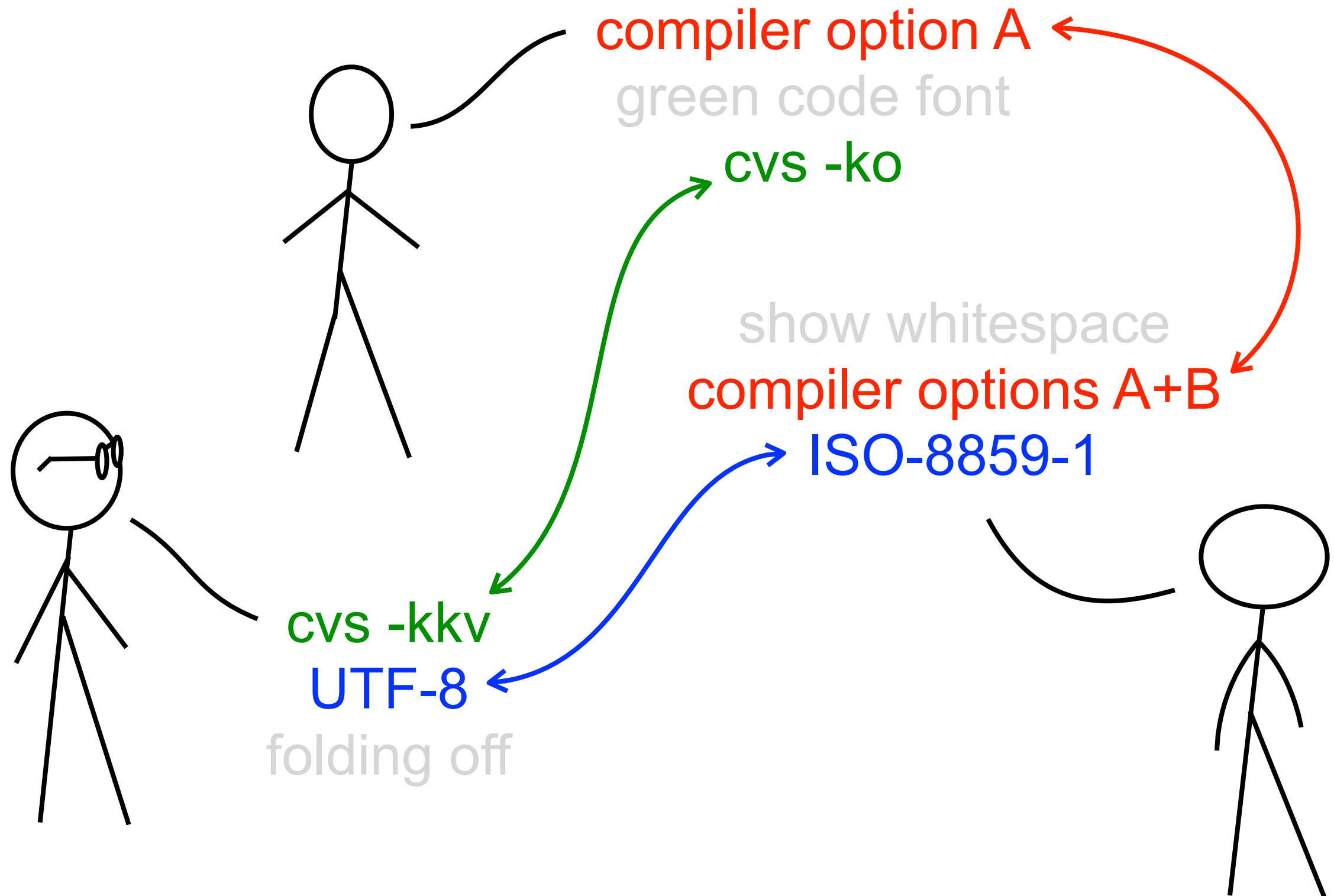
Legal

Eclipse Public License v1.0.

Preferences in Teams



Preferences in Teams



Eclipse Configuration Everywhere

Eclipse distribution

eclipse

- | - eclipse.ini
- | - configuration
 - | - config.ini
 - | - ...

Equinox Secure Storage

\$home/.eclipse

Preferences

\$workspace

- | - ./metadata/...
- | - \$project/.settings/...

Runtime options

eclipse -data ... -vm ... -vmargs ...

Eclipse Configuration Everywhere

Eclipse distribution

eclipse

- | - eclipse.ini
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Equinox Secure Storage

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Preferences

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- | - ./metadata/...
- | - \$project/.settings/...

Runtime options

eclipse -data ... -vm ... -vmargs ...

This talk is about preferences only!

Basic Configuration Approach

Configure as much as possible on project level and ‘somehow’ manage the configurations that can’t be put into the project.

Let’s have a look at how ‘somehow’ could be...

The Wiki Way



Your Favourite Web Browser

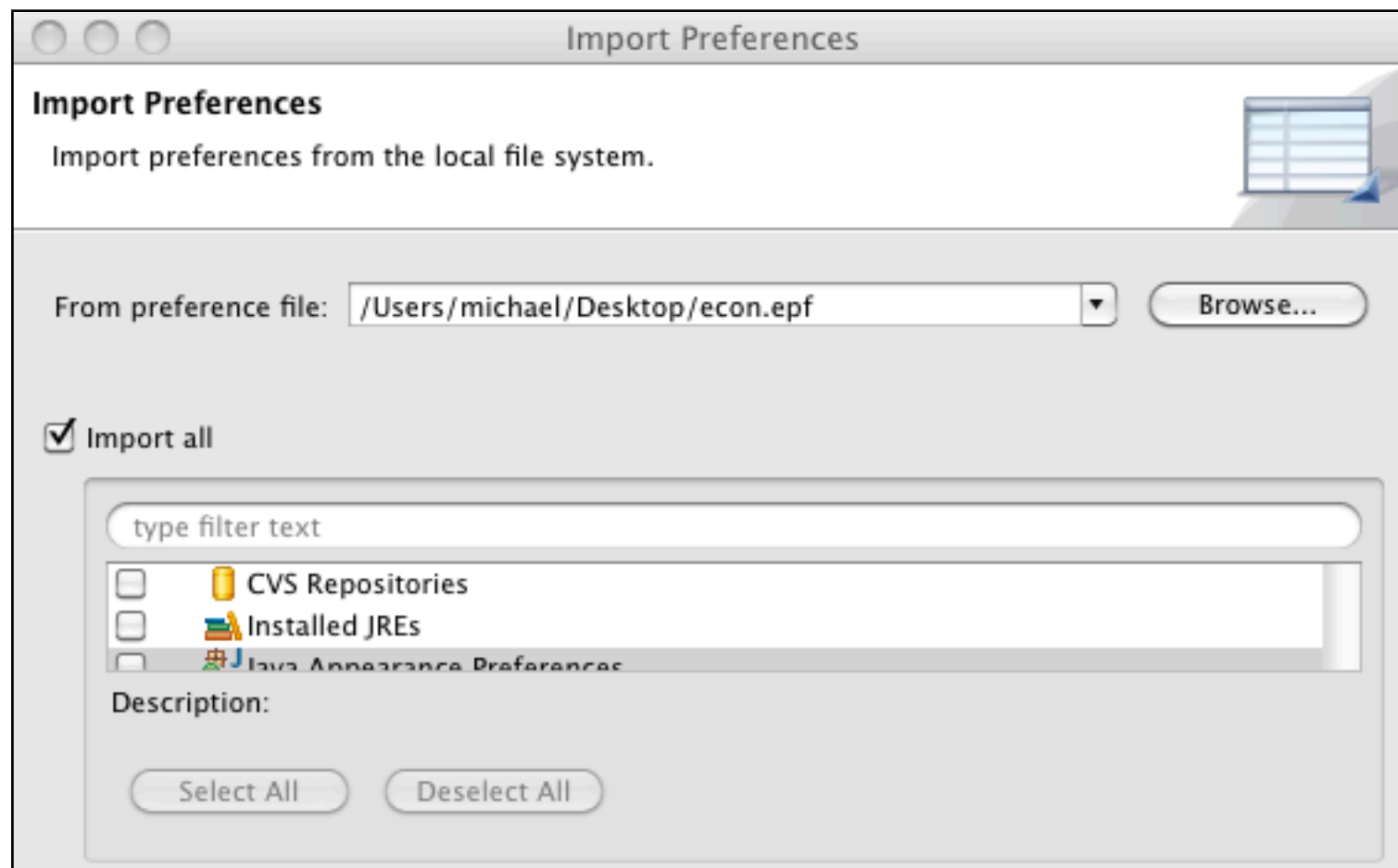
Project Foo: Dev Env Set-up Howto

- [] Preferences: Hit [cmd]+[,]
 - [] Set 'General > Workspace > Encoding:' to 'UTF-8'
 - [] Enable 'Java > JUnit > Add '-ea' to VM...'
 - [] Set 'Java > FindBugs > effort' to 'maximum'
 - [] Set 'Team > CVS > Default Text Mode' to '-kkvl'
- [] Add the following CVS repositories:
 - [] :pserver:username@cvs.foo.org:/path/to/repo
 - [] :pserver:username@cvs.company.com:/cvs/repo
- [] Select all projects. Then "Project > Clean..."
- [] Lucky guy - you're done :-)

The EPF Way

Shared Eclipse Preference File (EPF)

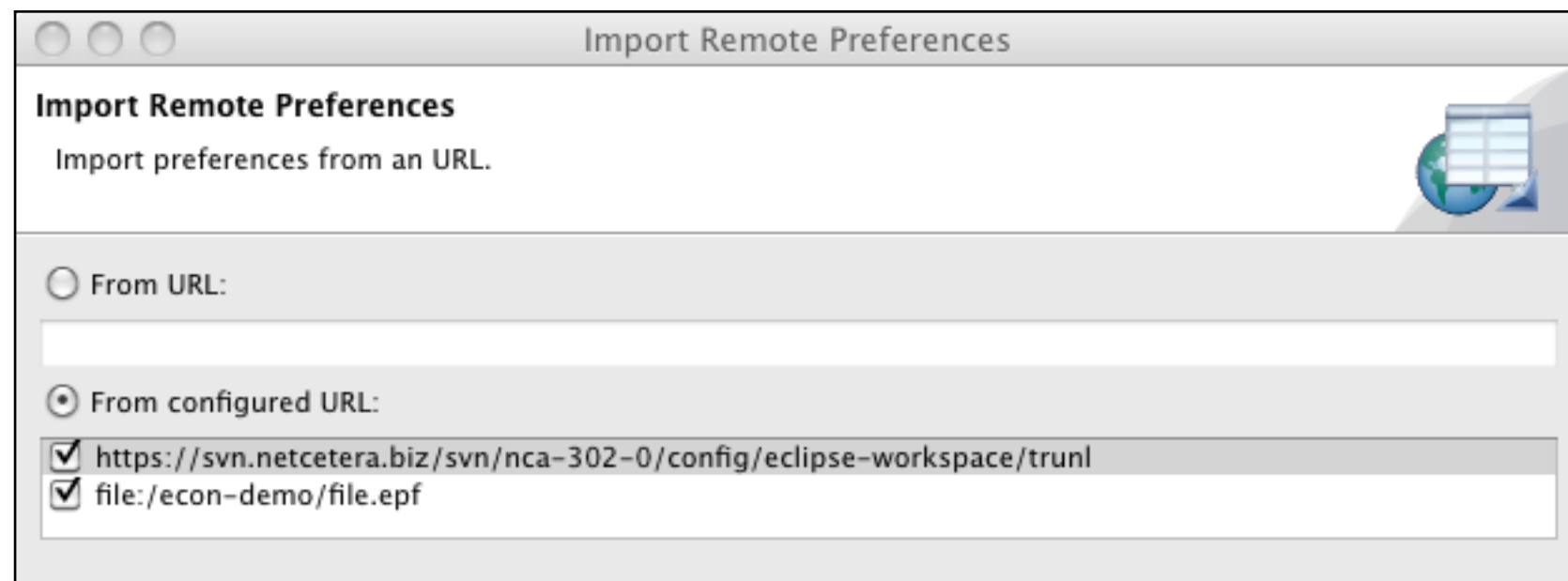
Let users import the EPF manually using the import wizard



Eclipse Team Etceteras

**Automatic and manual EPF import
over HTTP**

**Preference transfer between
workspaces**



Workspace Mechanic

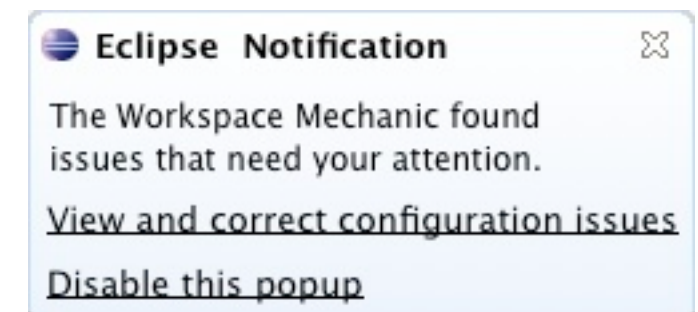
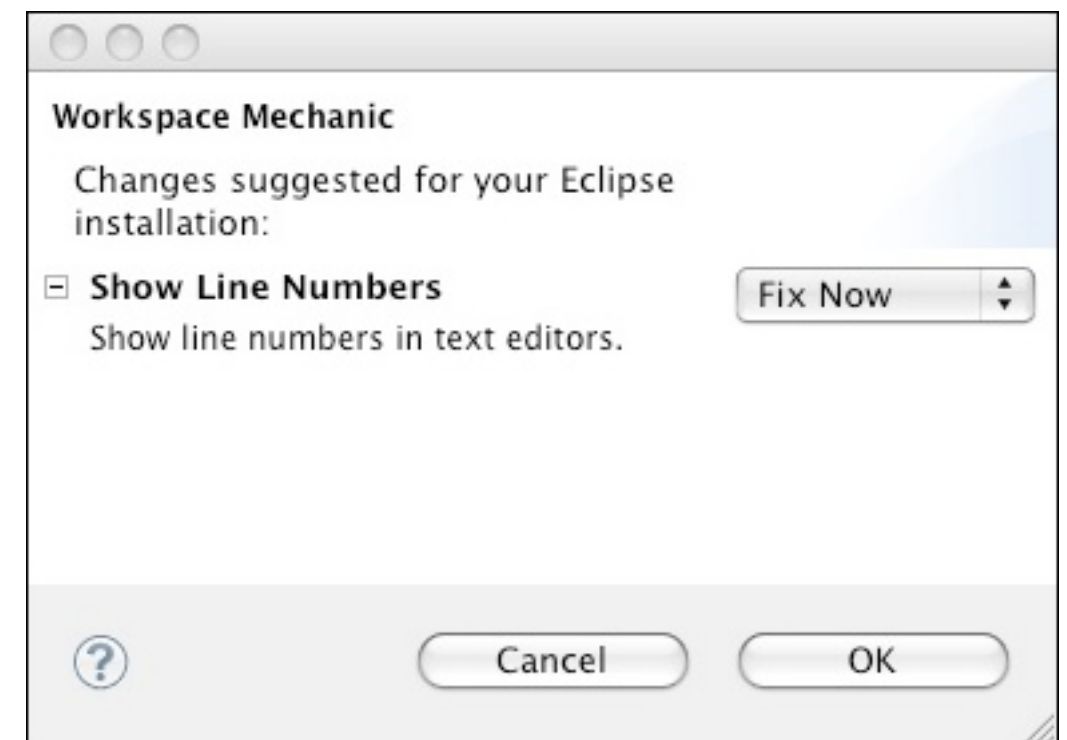
Task oriented configuration engine

A task can be

- a Java class
- a Groovy script
- an EPF file
- a Plug-in (extension point)

Frequent checks

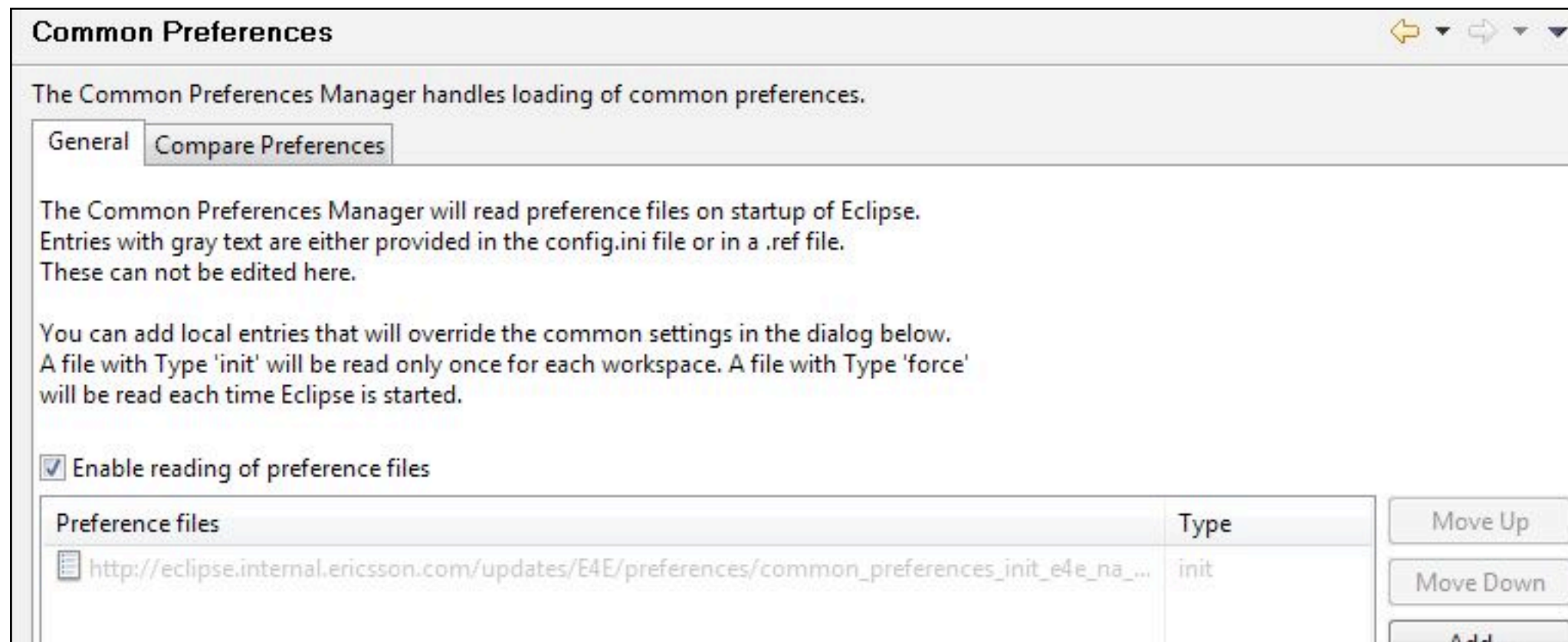
(File system based)



Bug 334016

Automatic EPF import over HTTP

Preference lock-down and enforcement capability



Feature Comparison

	ETE	Ws Mech	334016
EPF imp. over HTTP	✓	(✓)	✓
More than EPF		✓	
Change Detection		✓	✓
Enforcement/Lock			✓
Admin Tool Support	(✓)	✓	✓
On Marketplace	✓		
License	EPL	EPL	EPL

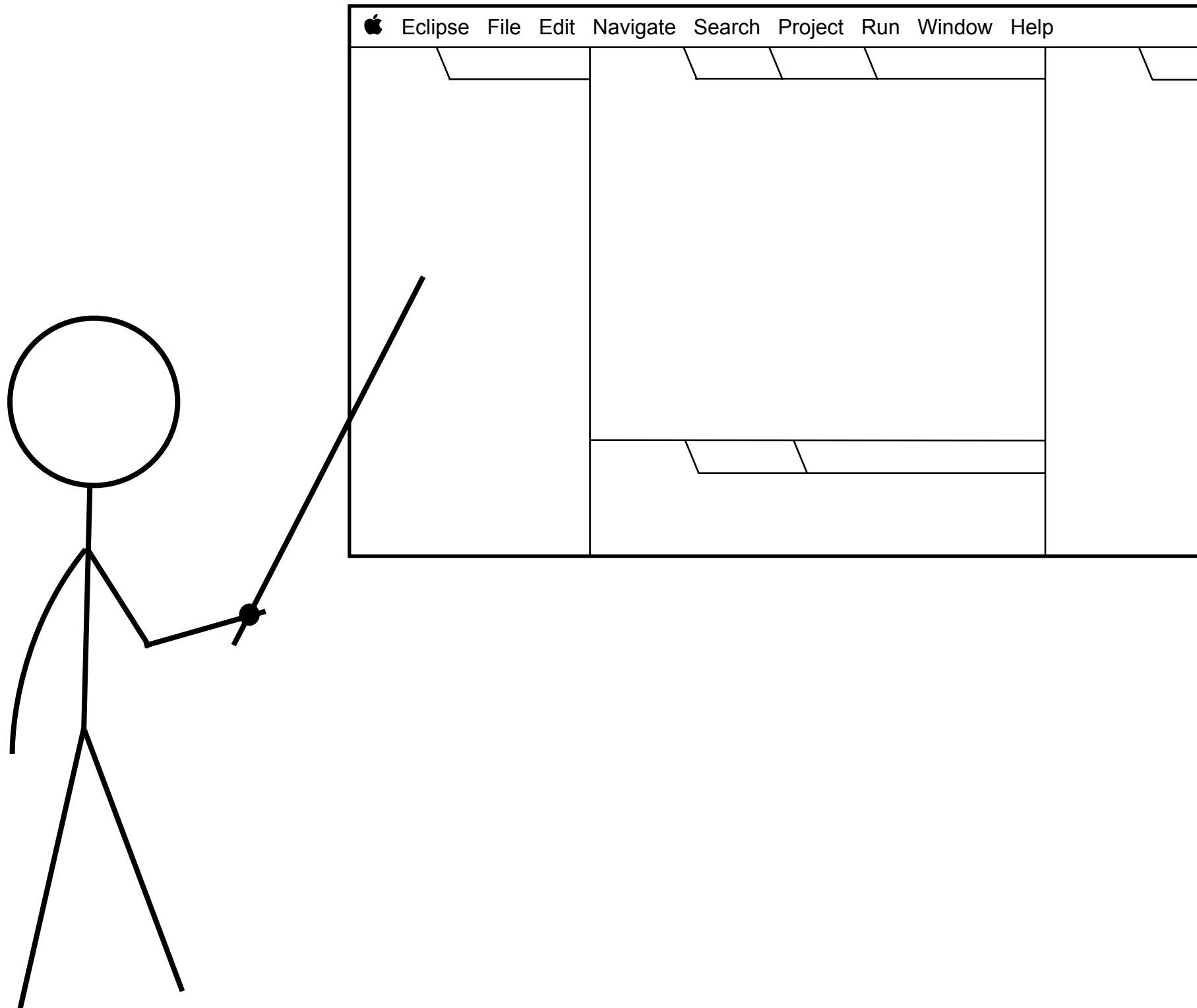
When to Use Which?

If EPF import over HTTP is all you need: Use ETE

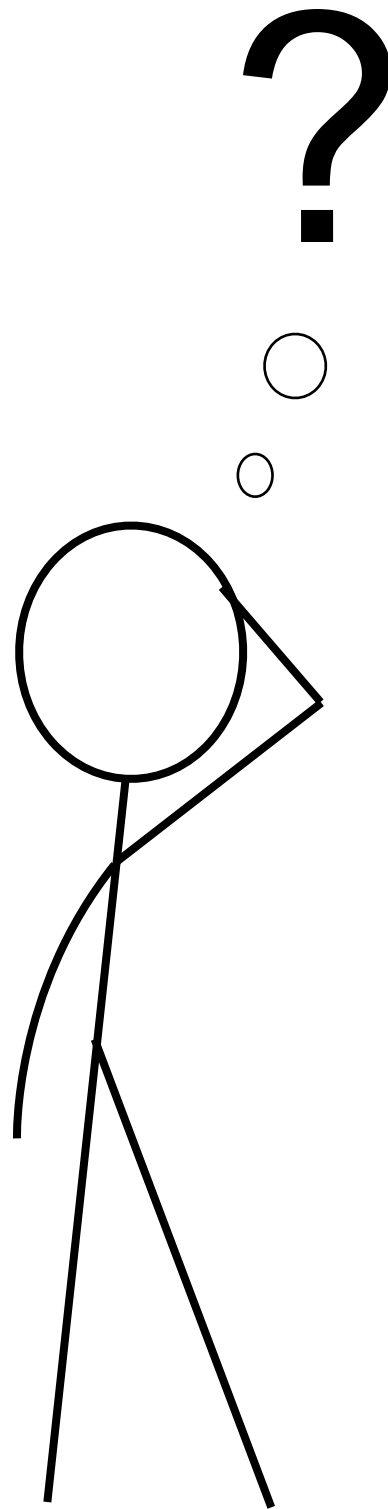
If you need more complex stuff than EPF imports: Use Workspace Mechanic

If you need preference lock-down and enforcement: Use Bug 334016

ETE Demo



Questions



Links and Resources

Presentation and other Resources

<https://contrails.ch/econ2011>

Discussed Projects

[Eclipse Team Etceteras](#)

[Workspace Mechanic](#)

[Bug 334016](#)

Eclipse Configuration and Preferences Resources

[User Settings: FAQ](#)

[Eclipse Wiki: Eclipse.ini](#)

[Eclipse Help: Provisioning Actions and Touchpoints](#)

[Eclipse Help: The Eclipse runtime options](#)

[Eclipse Preferences - Tutorial \(by Lars Vogel\)](#)

[Eclipse Help: Equinox Secure Storage](#)

[Extension Point Description: Preference Transfer](#)

[EclipseCon 2010 Talk: Eclipse in the Enterprise: Lessons from Google](#)