



Eclipse in the Enterprise

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Eclipse in the Enterprise

Issues impacting deployment of Eclipse in the Enterprise

- Scalability (ex. 65,000 source files)
- Diverse Deployment Environment
 - Multiple OS's/Versions
 - NFS
 - Global
- Many Diverse Engineering Environments
 - Legacy Tools/Systems
 - Acquisitions
- Diverse working culture (Curmudgeon to Eager New Hire)
 - Convincing Curmudgeon's Eclipse is not evil
 - What is the ROI of Eclipse vs using existing VI/Emacs?

Scalability

Our issues...

- Large projects - 65K + source files in a single project

Time to Index/Create project - measured in hours

Build – causes refresh of all 65K +

Scalability

What we have done...

- Import existing resource information and index – < 2 minutes
- Bypass integrated build system

Diverse Deployment Environment

Our Issues

- Global deployment
- Versioning guidelines
- Hardware – hardware setups, disk space restrictions
- Bandwidth limitations (Yes I know we are a networking company)
- Decentralized management of software catalog
- Getting off the web

Diverse Deployment Environments

What we have done...

- Vendor Product – Pulse

- Globally distributed

- Manage versions of deployable artifacts

- Decreased downloads and saved on storage with network storage

- Dynamic environment detection

- Customized installation steps

- Distributed Administration

- Link based installment of profiles

Diverse Engineering Environments

Our issues

- Many, many, many legacy tools
- Toolsets growing with acquisitions
- With growing toolsets comes growing policies

Diverse Engineering Environments

What we are looking at...

- Encapsulate legacy tools in services (Where possible)
- Leverage OSGi based ESB to facilitate
- “Workflow Management” systems
- Rules or Policy engines

Working Culture

Our issues...

- Old school embedded engineers - VI/emacs
- Proving/showing Eclipse's ROI

Working Culture

Thus far...

- Track productivity
- Lower the barrier to entry
 - VI/emacs emulators and key bindings
 - Scriptability of Eclipse