Maynstall
(formerly Maya)

Project Update

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Agenda

- Introduction to Maynstall
- Architecture and Deployment
- Evolution since Contribution
- Where’s Maynstall going?
Intro to Maynstall

- Developed initially at Cisco
- Contribution focused on enterprise deployment of RCP and IDE stacks
- Goal to simplify end-user consumption of Eclipse software
Maynstill Concepts

- Profiles enabling common software stacks
- Enablement of groups to share profiles
- Instantiating a system from ‘nothing’
- Automated dependency resolution
- Access controls for using profiles & software
Mayninstall Execution Flow

1. Instructions → 2. Spawn (Bootstrap)
2. Spawn (Bootstrap) → 3. Flow (Launcher)
3. Flow (Launcher) → 4. Instructions (Mayninstall Server)
4. Instructions (Mayninstall Server) → 5. Spawn (Eclipse)
5. Spawn (Eclipse) → 6. ...
Deploying Maynstall

- Integrates with existing back-end systems
- Provisions on multiple operating systems
- Administrator defined software catalog
- Tailor end-user launcher interface
- Extensible for OS level integration
Demonstration
Recent Evolution

- In May was code contributed to project
- Support added to Mayinstall since then...
  - Launching when disconnected from net
  - Improved performance and memory mgmt
  - Switched from hibernate to JPA
  - Eclipse 3.3 distribution
  - EP for client-side extensions
  - Alternate backing for model context
  - Optimizations in dependency resolution
Integrated with p2

- Profile Expander
- Director
- Meta Repo*
- Model Web Service (Optional)
- DB
- Maynstill Web Service “The Brains”
- Bootstrap
- Agent*
- Engine
- Eclipse from Profile
- Mgmt Clients

*Maynstill customized p2 component
Where Next?

- Integrate p2 into Maynstall
- Transition to EclipseLink for persistence
- Write deployment & usage guide
Under Consideration

- Abstract out provisioning server 'core' for re-use in alternate deployment styles
- Provide native version of bootstrap
- Re-use agent VM for profile's Eclipse instance
- Contribute the model web service and client to a better suited home
Getting Involved

- Join mayninstall-dev or provisioning-dev
- Monitor the mayninstall bug reports
- Contribute your ideas & suggestions
- Get really involved and write code!