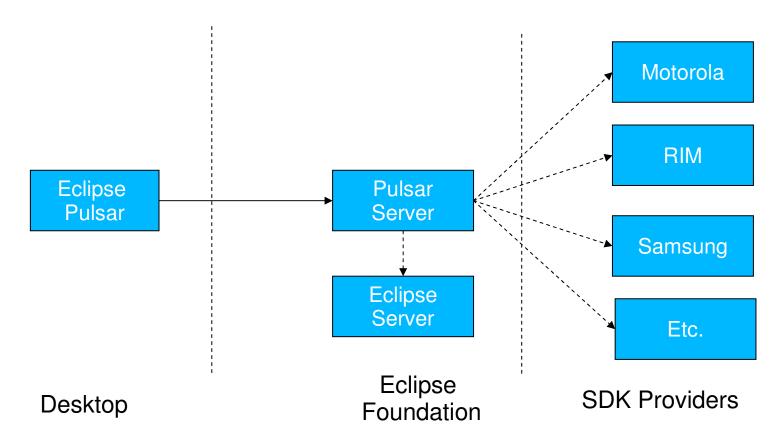# Mobile Industry Working Group

Eclipse Pulsar Distribution - Galileo Timeframe Workgroup Perspective

Eclipse Pulsar – Galileo Timeframe
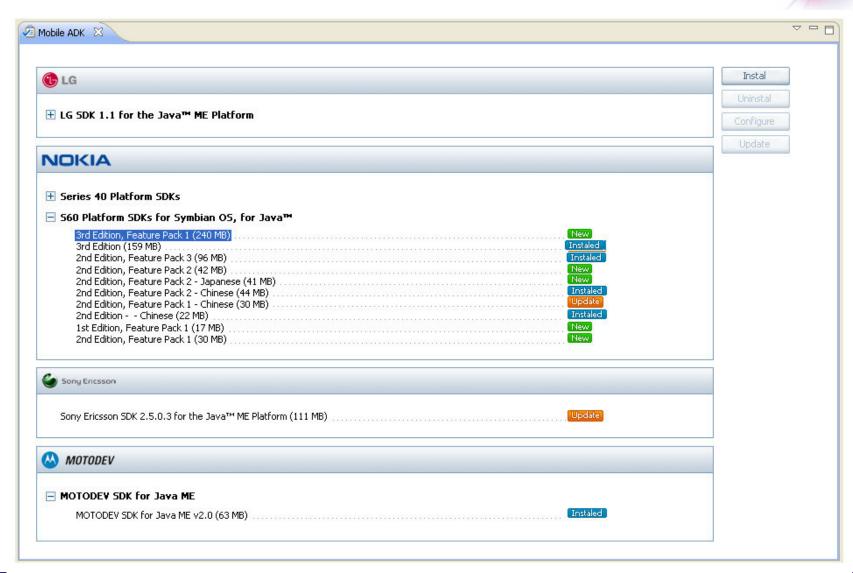
- Make it easy to find / install / configure mobile SDK
- Initial focus on JavaME SDKs

Desktop

Eclipse Foundation

SDK Providers

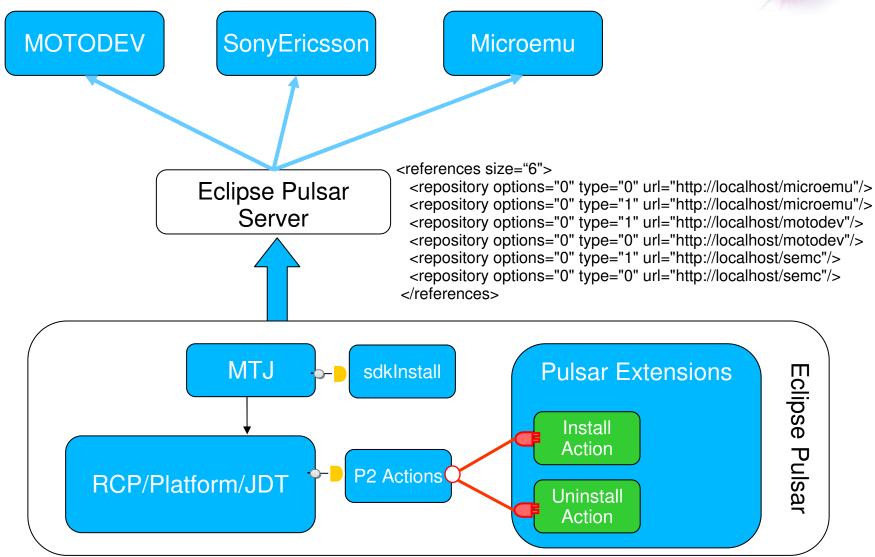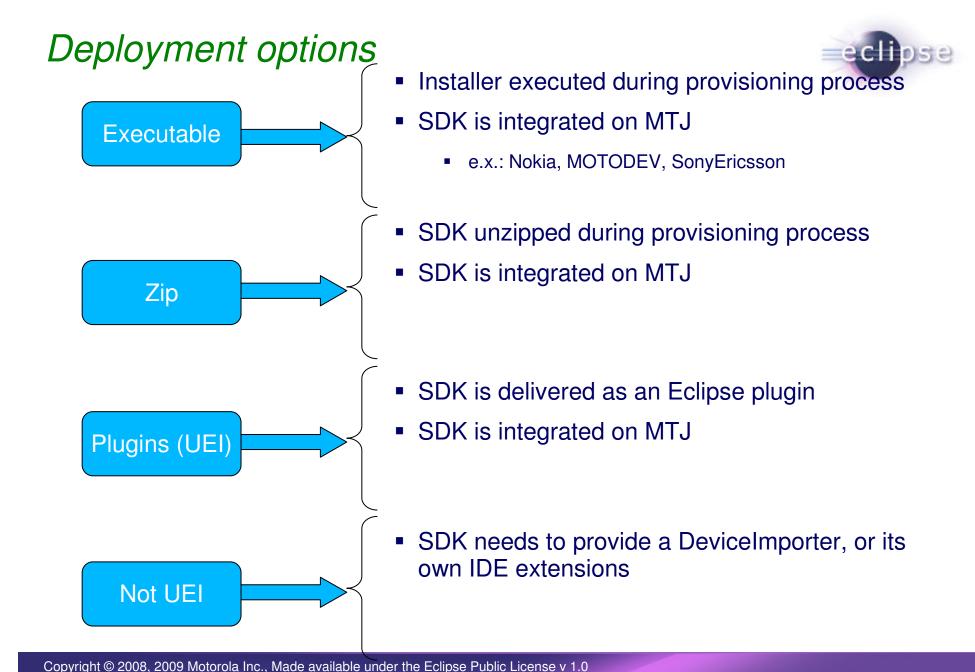# Eclipse Pulsar – Quick Install View

DEMO

- Eclipse pulsar prototype

  - No Quickinstall View

  - P2 UI Flow

- Local web server with PulsarServer

- Tested on Windows XP

- 3 SDK Providers Repositories

  - Motorola (windows installer)

  - SonyEricsson

  - Microemu (Zip)

Eclipse Pulsar Demo in detail...

MOTODEV   SonyEricsson   Microemu

Eclipse Pulsar
Server

```
<references size="6">
  <repository options="0" type="0" url="http://localhost/microemu"/>
  <repository options="0" type="1" url="http://localhost/microemu"/>
  <repository options="0" type="1" url="http://localhost/motodev"/>
  <repository options="0" type="0" url="http://localhost/motodev"/>
  <repository options="0" type="1" url="http://localhost/semc"/>
  <repository options="0" type="0" url="http://localhost/semc"/>
</references>
```

MTJ   sdkInstall   Pulsar Extensions

RCP/Platform/JDT   P2 Actions   Install Action

Uninstall Action

Eclipse Pulsar

Deployment options

Executable

- Installer executed during provisioning process
- SDK is integrated on MTJ
  - e.x.: Nokia, MOTODEV, SonyEricsson

Zip

- SDK unzipped during provisioning process
- SDK is integrated on MTJ

Plugins (UEI)

- SDK is delivered as an Eclipse plugin
- SDK is integrated on MTJ

Not UEI

- SDK needs to provide a DeviceImporter, or its own IDE extensions

Levels of customization offered by Pulsar

	Executable	Zip	Plugins (UEI)	Not UEI
MTJ Advanced	MIDlet templates, JAD Extension, Sign. Permissons, External Lib.	Same as executable format	Same as executable format	Same as executable format (only if integrated on MTJ)
MTJ Basic	sdkInstall	sdkInstall	sdkInstall	deviceImporter (only necessary to integrate on MTJ), sdkInstall
RCP/Eclipse JDT	Branding, documentation, etc.	Same as executable format	Same as executable format	Need to provide wizards, builder or implement MTJ Basic extensions

Eclipse Pulsar Proposed Scope – Galileo Timeframe

- Generate a Eclipse Pulsar Distribution
    - RCP/Platform/JDT/MyLyn/XML Editor/MTJ
    - Pulsar Extensions
        - P2 Install/uninstall actions (handle installer ins .exe format)
        - QuickInstall View
    - Eclipse Pulsar Documentation
- Pulsar Server Guideline
- Pulsar Server Tooling
    - Design and Documentation
    - Tooling Code
- SDK Provider Server Tooling
    - Design and Documentation
    - Tooling Code
- Setup Eclipse Pulsar Server
- Test Eclipse Pulsar

Eclipse Pulsar Tasks

Tasks	Estimated Effort	Responsible
MTJ: Add SDKInstall E.P.	1 staff /month	Motorola
MTJ: Review and Integrate Contributions to MTJ	On going	Motorola
Client Side: Design/Impl./Document Install Action	1 staff /month	
Client Side: Design/Impl./Document Uninstall Action	1 staff /month	
Client Side: Design/Impl./ Quickinstall view UI	2 staff /month	
Client Side: Design/Impl./ Quickinstall view Services	2 staff /month	
Client Side: Write client documentation	1 staff /month	
Server Side: Design/Impl./ Document PulsarServer Tool	2 staff / month	
Server Side: Setup Server / Add SDK Providers	1 staff /month	
Pulsar Microsite (define, write content)	TBD	
Tests: Validate SDK download / install	1 staff /month	
Tests: Validate SDK uninstall		
Tests: Validate SDK update		

Pulsar Galileo Time Line (3.5)

	April	May	June
MTJ			
EPP Package	■		
Close API	■		
Support SDK Provid.	■	■	
Pulsar Client			
Guideline	■		
QuickIns. View	■	■	
P2 Actions	■		
Pulsar Server			
PulsarServer Tooling	■	■	
Setup Pulsar Server		■	■
Test			■
Pulsar Microsite			
Define content		■	
Setup site			■
SDK Provider			
Setup Server		■	

Pulsar Galileo Time Line (3.5.1)

	April	May	June	July	Aug	Sep
MTJ						
Close API	■					
Support SDK Provid.	■	■	■	■	■	■
Pulsar Client						
QuickIns. View			■	■	■	
P2 Actions		■	■			
Pulsar Server						
PulsarServer Tooling		■	■	■		
Setup Pulsar Server					■	■
Test						■
Pulsar Microsite						
Define content			■	■		
Setup site					■	■
SDK Provider						
Setup Server				■	■	

Open questions

- Requirements / Technical
    - Is the Quickinstall view necessary in the first release? Is it ok to use P2 UI flow instead?
    - Which hosts should be supported?
    - How to support WTK3 scenario?
    - Which packages should be included inside Pulsar distribution?
- Planning
    - Which SDKs will be on the Pulsar Server on Galileo Release?
        - What is the deadline to decide that?
    - What is the deadline to have the SDK providers Server available?
    - Who can be responsible for each task?
    - Do we need more time for testing?
    - Should we define some basic mandatory requirements to be part of Pulsar (Galileo Timeframe)?

Thanks!