ECF 3.3/Helios

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Dev Mailing List: ecf-dev@eclipse.org

Home Page: http://www.eclipse.org/ecf

Wiki: http://wiki.eclipse.org/ECF

Project Plan: http://www.eclipse.org/projects/project-plan.php?projectid=rt.ecf

3.3 Highlights

- ## Zookeeper Based ECF Discovery (ZooDiscovery)

  - Apache Zookeeper is a centralized service for maintaining configuration information, naming, providing distributed synchronization, and providing group services.

  - Uses to implement consensus, group management, leader election, and presence protocols in distributed applications.

  - Leverages Apache ZooKeeper robustness and implements Eclipse ECF Discovery API.

  - ZooDiscovery host/consumer example included.

  - http://wiki.eclipse.org/Zookeeper_Based_ECF_Discovery

  - http://hadoop.apache.org/zookeeper/

- ## Hudson Continuous Server for ECF

  - ECF is now running a Hudson Continuous Integration Server at https://ecf2.osuosl.org/hudson/

  - Eclipse Buckminster instance is running in the Hudson Server to build Eclipse Modules..

3.3 Highlights (cont)

- Asynchronous Implementation of OSGi Remote Services.

  – Compendium section 13 of the OSGi 4.2 specification explains the Synchronous OSGi Remote Services.

  – If the response time increase sdue to network traffic, etc then the Remote Service call thread might be blocked for a long time due to the blocking property of synchronous systems.

  – Solution is to use Asynchronous Services .

  – Though Asynchronous Remote Services are not defined in the specification, ECF architecutre provides the ability to create Asynchronous Remote Services.

  – http://eclipseecf.blogspot.com/2010/02/osgi-remote-services-and-sync-vs-async.html

  – http://eclipseecf.blogspot.com/2010/04/osgi-remote-services-and-ecf.html

  – http://eclipseecf.blogspot.com/2010/04/asynchronous-remote-services-part-2.html

  – http://eclipseecf.blogspot.com/2010/04/asynchronous-remote-services-future-or.html

3.3 Highlights (cont)

- ## Inclusion of ECF Remote Services in SOA Package
  - All ECF Remote Services are now included in a new feature
  - org.eclipse.ecf.remoteservice.sdk.feature
  - This contains several other features currently exist.
  - This new feature is now included in the SOA-IWG package.
  - New feature is built in the ECF Hudson Server
  - https://bugs.eclipse.org/bugs/show_bug.cgi?id=307360
  - http://download.eclipse.org/rt/ecf/3.3/helios/site.p2
  - https://ecf2.osuosl.org/hudson/job/C-HEAD-sdk.feature/

- ## Remote Services Examples and Documentation
  - Asynchronous Proxies for Remote Services
  - Using Spring with ECF Remote Services
  - ZooDiscovery Host/Consumer examples.

Community and Contribution Growth

- Zookeeper Contribution
- SOAP RS Examples Contribution (not in Helios, but in subsequent releases)
- Other contributions (e.g. ICQ provider...again not in Helios)
- Many more consumers (of Remote Services, REST, etc)
- New committers
  - Nuwan Sam – Specific Google Services for Gsoc 2009

IP Issues

- All significant and third party contributions have been reviewed and approved by Eclipse legal.

- About files and license files are complete and correct.

- ECF has several other pending/under review contributions, but these are **not** included in ECF 3.3

- Draft IP log:
    - http://www.eclipse.org/projects/ip_log.php?projectid=rt.ecf

Project and Process: Fully Open, Diverse, Community-Focused

- Everything Open
  - Bugzilla
  - Bi-Monthy Conference Calls w Minutes
  - IRC
  - Mailing List
  - Book Development (!)

ECF 3.4 Plans

- Remote Services Admin
- GSoc 2010 Project Output Into ECF
    - DNS-SD based wide-area ECF discovery provider (Markus Kuppe)
    - Google Wave Provider (Sebastian Schmidt)
    - Restlet API as Server-side remote service host