Jetty Documentation

Jetty Documentation

Codehaus hosts all jetty versions prior to jetty-7, all jetty-hightide versions and all non-core contributions to the project constellation.

Jetty 9 Documentation

Jetty 7 and Jetty 8 Documentation

The documentation provided here applies to only old versions of Jetty.

Jetty Documentation

- jetty @ Codehaus
  - Jetty <= 6 @ codehaus
  - Jetty <= 6 wiki @ codehaus
  - Jetty Hightide - deprecated
  - Jetty Powered
  - About Jetty
- jetty @ Eclipse
  - Jetty >= 7 @ eclipse
  - Jetty >= 7 wiki @ eclipse
  - Jetty >= 7 @ eclipse

Getting Started

- Downloading Jetty
- Installing Jetty-6.1.x
- Running Jetty-6.1.x
  - Windows Service Wrapper
  - Debian Packages
  - RPMs
- Supported JVMs

References

- Jetty Architecture
- Jetty Xml Configuration Syntax Reference
- Javadoc
- xref
- Walkthrough: jetty.xml
- Jetty Security

Tutorials

- Newbie Guide to Jetty
- Writing a Jetty Handler
- Embedding Jetty
- Porting to jetty6

- Porting to Jetty7 from Jetty6
- Getting Started with Jetty on www.itjungle.com

Development

- Contributing
- Jetty Coding Standards
- GIT:
  - jetty @ codehaus
    - git://git.codehaus.org/jetty-project.git
    - Browse: http://git.codehaus.org/gitweb.cgi?p=jetty-project.git
  - jetty @ eclipse
    - git://git.eclipse.org/gitroot/jetty/org.eclipse.jetty.project.git
    - ssh://git.eclipse.org/gitroot/jetty/org.eclipse.jetty.project.git
    - http://git.eclipse.org/gitroot/jetty/org.eclipse.jetty.project.git
    - Browse: http://git.eclipse.org/c/jetty/org.eclipse.jetty.project.git
- (Historical) SVN:
  - jetty-7 (developers svn+ssh)
  - jetty-7 accessories (developers https)
  - jetty-6 (developers https)
  - jetty-6 contrib (developers https)
  - hightide (developers https)
- Codehaus CI
- Building from Source
- JIRA
- Jetty-6.1.x Release Procedure
- Website Release Procedure
- Building Jetty RPMs

Feature Guides

Asynchronous Servlets

- Suspendable Requests
- Continuations
- Quality of Service Filter
- Asynchronous REST & Jetty HTTP Client
- Asynchronous Web Services
- Asynchronous Proxy Servlet

AJAX / Comet

- Continuations for Ajax Comet
- Cometd (aka Bayeux)
  - Acknowledged Messages
  - Clustering with Oort *coming soon*
- ActiveMQ

Maven Support

- Maven Jetty Plugin
  - Which files are scanned by the Jetty Maven Plugin
- Maven Jetty Jspc Plugin
- Maven web app project archetypes *courtesy of Webtide*

Ant Support

- Ant Jetty Plugin

IDEA

- Debugging Jetty with IntelliJ IDEA

Eclipse Workbench

- Importing Jetty Source into Eclipse
- Debugging Jetty with Eclipse
- Debugging with the Maven Jetty Plugin inside Eclipse
- Jetty Eclipse Plugin - Web Tooling Support
- JettyLauncher *Soon to be upgraded to jetty6*
- run-jetty-run

Cargo

- Cargo container-agnostic testing tools

Useful Servlets and Filters

- Servlets Bundled with Jetty

Mobile Computing

- Google Android: i-jetty
- JME CDC

JEE Server Integrations

- Apache Geronimo JEE
- RedHat JBoss
- Grizzly Connector from Glassfish
- Sybase EAServer
- Remote Glassfish EJBs from Jetty

Web Frameworks

- DWR
- MyFaces
- JSF Reference Implementation
- Jakarta Slide
- Google Web Toolkit (GWT)
- Jetspeed2
- ICEfaces

EJB

- Jetty and Spring EJB3 (Pitchfork)
- JBoss EJB3
- ObjectWeb EasyBeans (aka JOnAS EJB3 container)
- Remote Glassfish EJBs from Jetty

Clustering Technologies

- Gigaspaces *coming soon*
- Terracotta (generic Terracotta version)

- Terracotta (Jetty version)
- WADI
- see also Session Clustering using a Database

Infrastructure

- Atomikos Transaction Manager
- JOTM
- Bitronix Transaction Manager
- ActiveMQ
- Binding JAX-WS 2.x Endpoints to Jetty contexts
- Java-monitor

OSGi

- Jetty OSGi Powered Products
- OSGi Tips
- Jetty as the HTTP Service in Equinox
- Jetty as the HTTP Service in Felix
- Jetty as the HTTP Service in PAX
- ProSyst mBedded Server Equinox Edition
- Jetty in Spring Dynamic Modules
- Jetty in JOnAS 5

Amazon EC2

- Jetty on Amazon EC2

Other

- JIRA

How Tos

General

- Running Jetty with jconsole
- Debug Logging
- Useful web developer tools
- How to test Servlets
- File Upload in jetty6

General Configuration

- Configuring Jetty
- The jetty.xml file
- The jetty-web.xml file
- The jetty-env.xml file
- The webdefault.xml file
- The override web.xml file
- Temporary Directories
- System Properties
- How to capture stderr/stdout
- Suppressing HTTP Server Header
- Classloading

- JSP Configuration
- Serving aliased/symbolically linked files
- Customizing startup
- Using XBean to configure Jetty
- How to Create Custom Error Pages
- GZIP Compression

Contexts and Web Applications

- Web Application Deployer (static deploy)
- Context Deployer (hot deploy!)
- Static Content
- Relocating / Redirecting Contexts
- Rewrite Handler
- see also Embedding Jetty and Maven Jetty Plugin
- Multiple WebApp Source Directory

Connectors

- Configuring Connectors
- Configuring SSL
  - Ssl Connector Guide
  - Configure SSL Cipher Suites
- Apache mod_proxy (Reverse Proxy)
- Apache mod_proxy_ajp and mod_jk for AJP
- Running on port 80 as non-root user

Associating webapps with ports and virtual hosts

- Serving different webapps from different ports
- Virtual hosts

Thread Pools

- Bounded ThreadPool
- Queued ThreadPool *TODO*

Security

- Jetty Security reports.
- Securing Jetty
- Securing Passwords
- Realms
  - JAAS Realms
- How to Configure Security with Embedded Jetty

Management

- Server Log *(coming soon)*
- Request Logging
- Collecting statistics
- Graceful shutdown
- JMX

Annotations

- Annotations, Resource Injection and Lifecycle Callbacks

JNDI Services

- Using JNDI
  - DataSource Examples

JSP

- JSP 2.0 and JSP 2.1
- JSP Configuration

Sessions

- Session Configuration
- Persisting Sessions
- Single Sign On - Jetty HashSSORealm

Clustering

- Session Clustering using a Database
- Session Clustering using Gigaspaces *coming soon*
- Session Clustering with Terracotta(Generic)
- Session Clustering with Terracotta(Jetty)
- Session Clustering with WADI

Optimizing

- Optimizing with Last-Modified and Cache-Control
- Optimizing Browser Caching
- Optimizing on High Load Servers

Other

- International Characters and Character Encodings
- Intercepting Connections and Requests
- Using Jetty to Put a Website on a CD (Jetty 5 - but same principle applies)

Trouble shooting

- No warning starting Jetty on port already in use (on Windows)
- Files locked on Windows
- Slow File Serving on Windows 2003
- Save could not be completed
- Temporary directory files not deleted
- Welcome files not working
- Invalid Content Length Log Message
- JSP expression do not evaluate
- Keep Generated
- Post requests using nio https hang
- Security Constraints and Welcome Files
- SSL does not work with DSA key
- Problems with JAAS 6.0.x
- NullpointerException in jasper Localizer class
- Zip exception reading jar or war files
- Connectors slow to startup
- Frequent disconnects when downloading large files

- OutofMemory Errors
- J2SE 6 Problems
- Webapp suddenly stopped working

FAQ - Frequently Asked Questions

General

- Why is it called Jetty?
- How do I submit a support question?
- Porting to jetty6