

HowTos

See also: [Cocoon site](#) [How-Tos](#) [BestPractices](#) [Snippets](#)

Quick HOW-TO documents to get to grips with particular chunks of functionality (in strict(-ish) alphabetical order), grouped into some broad categories.

Basics

- [UsingCInclude](#) – How to use CInclude to include dynamic content to your pages.
- [CocoonProtocolExample](#) – how to use the cocoon:/ protocol to combine data from multiple sources
- [ContentAggregationExample](#) – Aggregate XML documents to generate a "table of contents" – [AlexanderSchatten](#)
- [CreateMinimalWebapp](#) – Build a minimal, empty webapp suitable as a starting point for creating your own Cocoon-based web applications. – [GeoffHoward](#)
- [DataDebuggingTechnique](#) – a technique for debugging data that goes through several transformers – [IlyaAKriveshko](#)
- [DebuggingWithViews](#) – make minor modifications to an existing sitemap to enable debugging with views – [ILinKuo](#)
- [DebuggingCocoon](#) – how to debug Cocoon itself (and your own components)
- [DesignPattern ECrud](#) – how to create E-CRUD (Create, Read, Update, Delete + Search, Sort, Paginate, ...) application
- [DesignPattern Filtering](#) – how to create multiple xml files from only one original with conditional filtering
- [DesignPattern Locator](#) – how to design your pipelines in a loose coupling way
- [DesignPipelines](#) – how to design your pipelines and matchers – [ReinhardPoetz](#)
- [SendingEmail](#) – how to configure Cocoon to send email from within an XSP – [AndrewSavory](#)
- [ErrorHandling](#) – how to add error handling to your [Sitemap](#) – [LeighDodds](#)
- [ExcelGeneration](#) – how to generate XLS (MS Excel format) from Cocoon
- [FormValidationUsingCocoon](#) – How to validate form input.
- [JarProtocolExample](#) – how to use the jar:/ protocol to read data from a jar (or zip) file
- [Jars2exclude](#) – how to write the XSL transformation "Jars2exclude" mentioned in [CreateMinimalWebapp](#) by [GeoffHoward](#). [Scherler](#).
- [LayoutTemplatePattern](#) – how to use skins within Cocoon
- [MetaStylesheets](#) – how to use meta-stylesheets (stylesheets that generate other stylesheets) in [Cocoon](#) – [LeighDodds](#)
- [MigratingFrom2.0.4To2.1dev](#) – Move your 2.0.4 (or 2.0.X) Cocoon web applications to the newer alpha-alpha code for Cocoon 2.1 and exploit the new features. – [StevenCummings](#)
- [MigrateToCocoon2](#) – How to get that hard work you did for Cocoon 1.x to work on Cocoon 2.x without breaking a sweat or losing your mind. – [MichaelTiffany](#)
- [Modules](#) – how to use modules (input, output and database) for Cocoon. For beginners – [Mfonsen](#)
- [UnderstandingCocoonMounts](#) – How to mount sub-sitemaps.
- [OpenOfficeGeneration](#) – How to use OpenOffice 1.0 files in the XML Generator. Vindevogel
- [Profiling](#) – how to use profiling in Cocoon – [ReinhardPoetz](#)
- [Recipes](#) – Code samples in a Problem/Solution approach (upload files, ...)--
- [Redirecting](#) – how to redirect correctly – [NicolaKen](#)
- [RequestParameterEncoding](#) – how to let Cocoon know what encoding to use when retrieving request parameters - [BrunoDumon](#)
- [RtfGeneration](#) – how to generate RTF (MS Word-compatible format) from Cocoon
- [SimpleTransformations](#) – how to configure Cocoon to do simple XSLT transformations.
- [TestingFramework](#) – explains the framework for adding JUnit and other tests.
- [WebDAVBlock](#) – Using WEBDAV with Cocoon
- [Woody](#) – Documentation for the Woody form framework
- [XSLTC](#) – how to use XSLTC in 2.0.3 – [StephenNg](#)

Advanced

- [Midlets](#) – How to get Cocoon to pass data to midlets (on J2ME platform)

Flow

- [DebugFlowScripts](#) – how to visually debug flowscripts – [rgardler](#)
- [FileUploadsWithFlow](#) – Handling file uploads with the Flow layer in Cocoon – [TonyCollen](#)
- [DownloadFilesToLocalDisk](#) – How to download a flow to the local disk. – [LionelCrine](#)
- [WorkaroundForCOCOON-1579](#) – How to use rhino1.5r4-continuations-R26.jar in cocoon 2.1.10 and 2.1.11-dev

File Handling

- [FileUploadWithAction](#) – how to use file upload and do the processing in an Action
- [FileUploadsWithCocoon](#) – Overview and configuration of file uploads with Cocoon – [GeoffHoward](#)
- [ServingLargeFiles](#) – how to serve really large files – [Litrik](#)
- [ServingStaticFiles](#) – how to serve static files, e.g. applet jars, CSS files, images, etc.
- [SavingFilesToFileSystem](#) – how to save files (e.g PDF) to the file system instead of sending them to the browser

Groovy

- [GroovyWithSQLDatabaseAccess](#) – how to use Groovy with SQL database access ? - [olivier demah](#)
- [GroovyGetFormsParameters](#) – how to use Groovy to get values of parameters from Forms ? - [olivier demah](#)

XSP

- [XSPCachingWithCocoonHEAD](#) – How to make XSPs cache when using Cocoon HEAD and version 2.1 and above - [MilesElam](#)
- [XSPTransformCustomDate](#) – how to create a java date object from a date string – [Scherler](#)
- [AddingXSPToForrest](#) – How to build Forrest with custom blocks – [JasonLane](#)

Setup and Configuration

- [ConfiguringTheLogs](#) – how to configure Cocoon logging – [BernhardHuber](#)
- [ExploringTheLogs](#) – how to make sense of the Cocoon logs – [BertrandDelacretaz](#)
- [SettingTheJvmLocale](#) – how to set the JVM to use the correct Locale – [BertrandDelacretaz](#)
- [EmbeddingSVGFonts](#) – description of Cocoon-based tools that add the svg:glyph elements necessary to render its text elements on a client lacking the specif. – [BruceRobertson](#)
- [HowToBuildAndDeployCocoonWithMaven](#) – how to integrate Maven with Cocoon
- [HowToForrestTransition](#) – how to transition Cocoon docs to Forrest – [DianaShannon](#)
- [GzipXMLSerializer](#) – description of a serializer that produces Gzipped XML output. Useful for generating *.svgz files, among other things. [BruceRobertson](#)
- [HostSelector](#) – how to use the Host Selector in a live environment – [ArjeCahn](#)
- [Host Matcher](#) – How to have virtual hosts served by Cocoon – Volkmar W. Pogatzki
- [HotDeploy](#) – effective Cocoon development – [KonstantinPiroumian](#)
- [IntegrateAServlet](#) – how to integrate an existing servlet either by reference, or by adding it to the Cocoon webapp.
- [JBossDeployment](#) – how to deploy Cocoon on JBoss and Tomcat
- [LoadInEclipse](#) – how to load Cocoon in Eclipse – [SylvainWallez](#)
- [OC4JDeployment](#) – how to deploy Cocoon on Oracle Containers for Java/J2EE
- [PHPGenerator](#) – how to get the PHP Generator working with Cocoon – [TonyCollen](#)
- [WebSphereV5.0Deployment](#) – how to get Cocoon2 working with WebSphere v5.0 – [GerhardFroehlich](#)
- [HTTPSources](#) – using custom certificates for retrieving files over HTTPs – [StevenNoels](#)
- [JaxeCocoon](#) – starting the Jaxe XML editor from Cocoon with java web start – [HugoBurm](#)

Apache/Tomcat

- [AuthWithTomcat](#) – how to let the servlet container (Tomcat) handle authentication and authorisation
- [CocoonAndApache](#) – how to serve static/legacy content with Apache Httpd and dynamic content with Cocoon – [LeoLeonid](#)
- [Cocoon%and%Apache%mod%gzip](#) how to Use the mod_gzip with Apache to Compress SVG Files on the Fly – [BruceRobertson](#)
- [CocoonAndApacheModRequest](#) – how to Use Apache mod_request to provide client-side cache of Cocoon content – [BruceRobertson](#)
- [ApacheModProxy](#) – how to configure Apache mod_proxy as a front-end to Cocoon by [PierFumagalli](#) (Original emails part #1 and #2).
- [TomcatWin32Service](#) – how to install Tomcat as win32 service
- [CocoonEasyInstallation](#) – how to setup Cocoon as default host under Tomcat in Linux _ – Volkmar W. Pogatzki_
- [WindowsTomcatCocoonInstallation](#) – how to setup Cocoon 2.1.X under Tomcat 4+ in Windows.
- [WindowsCocoonAdvancedInstallation](#) – how to install Apache Cocoon combined with Apache Web Server, Apache Tomcat and, optionally, MySQL on Windows 2000/XP. The document also provides an example application (source) showing how to present an XML document in HTML, WML and PDF. – [Martin Bouman & Richard Korthuis](#)

Databases (including XML)

JDBC

- [DatabaseConnectionOverview](#) – an introduction to connecting Cocoon 2 to a database – [MichaelTiffany](#)
- [ConnectionPooling](#) – how to set up a database connection pool that can be accessed from the [ESQL Logicsheet](#), or one of the [DatabaseActions](#) – [LeighDodds](#)
- [SpecificDatabaseConnection](#) – Connections to specific databases – [Gabridome](#)
- [DB2V7](#) – hints for connecting Cocoon 2 to a DB2 database – [ChristophOberle](#)
- [JNDIDataSourceWithJBoss3.0.6](#) – How to switch from using a Cocoon JDBC datasource to the J2EE datasource, with JBoss managing the connection/pooling –
- [JNDIDataSourceWithBorlandEnterpriseServer5.1](#) – How to use a J2EE datasource, with BES managing the connection/pooling –
- [Modular Database Actions](#)

Exist / Xindice

- [ExistInCocoon](#) – Installing and configuring the eXist XML:DB into a Cocoon application. Integrating eXist allows you to avoid running eXist as a separate server. – [BenjaminYoung](#)
- [ExistAsBlock](#) – Integrating the eXist XML:DB database into a Cocoon2.1 build as a block sample. – [BruceRobertson](#)
- [XMLFormXindice](#) – Working with Xindice from XMLForms – [JosemaAlonso](#)
- [XMLIndexCocoon2.1](#) – How to use XMLIndex and Cocoon 2.1
- [XindiceLogicsheet](#) – how to make a Xindice work in Cocoon, an utility logicsheet included – [JosemaAlonso](#)

Hibernate

- [HibernateAndTheAuthenticationFramework](#) – Howto use Hibernate if you want to authenticate against a database-- [HugoBurm](#)
- [UsingHibernateToMakeYourJavaBeansPersistent](#) – Howto use Hibernate in combination with Cocoon – [HugoBurm](#)

- [WoodyHibernateAndFlow](#) – Making the Woody Form2Bean persistent – [HugoBurm](#)
- [CformsHibernateAndFlow](#) – Making the CForms Form2Bean persistent
- [XMLFormJXFormHibernateAndFlowscript](#) – Howto use Hibernate in combination with XMLForm/JXForm and Flowscript – [HugoBurm](#)

OJB

- [OJB](#) – Howto use [<http://db.apache.org/ojb/>] with [JDO](#) in Cocoon – [AntonioGallardo](#)

ESQL

- [HowToCreateHiearchicalXmlUsingESQL](#) – How to write xsp that produces XML hierarchical structure using ESQL nested queries – [PavelVrecl](#)
- [HowtoQueryFromWebBrowser](#) – How to write an XSP which allows you to run SQL queries from your browser's location bar – [PeteFarmer](#)

CVS

- [CVSMigration](#) – On 9 March 2003, the Cocoon CVS module, 'xml-cocoon2', was split up into 'cocoon-2.1' and 'cocoon-2.0' modules. This How-To describes how to update your old xml-cocoon2 checked-out module. – Jeff Turner
- [CvsAndFirewalls](#) – how to get the CVS code through your friendly neighborhood firewall. – [BertrandDelacretaz](#)

Bugzilla

- [HowWeUseBugzilla](#) find information and hints how we use Bugzilla and also find some **standard queries**

Committers corner

- [CocoonReleaseHowTo](#) – so you want to do a release?
- [CocoonWebsiteUpdate](#)