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AUTHORS

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NAME

Catalyst::Manual::Components - Reuseable components for Catalyst applications

DESCRIPTION

This section lists the some of the components (and plugins) that are available to extend the runtime functionality of Catalyst. Most components are not distributed with Catalyst but should be available from CPAN. They typically require additional modules from CPAN.

This list may well be outdated by the time you read this, and some plugins may be deprecated, or, conversely, may now part of core [Catalyst](#). Be sure to check the Catalyst:: and CatalystX:: namespaces for additional components, and consult the mailing list (<http://dev.catalyst.perl.org/wiki/Support>) for advice on the current status or preferred use of your chosen plugin/framework.

PLUGINS

Take care with plugins! In general with a plugin ask "should this be acting globally on my application?". If not it should be a Controller Role (e.g. see [Catalyst::TraitFor::Controller::reCAPTCHA](#)).

Catalyst::Plugin::Account::AutoDiscovery

Provides Account Auto-Discovery for Catalyst.

Catalyst::Plugin::Acme::Scramble

Implements a demonstration showing how easily fluent speakers can read scrambled text if the first and last letters remain constant but the middle . Operates on text/plain and text/html served by your Catalyst application. This should really be a controller role, or even a View these days.

Catalyst::Plugin::Alarm

Catalyst::Plugin::AtomPP

Allows you to dispatch AtomPP methods.

Catalyst::Plugin::AtomServer

A plugin that implements the necessary bits to make it easy to build an Atom API server for any Catalyst-based application.

Catalyst::Plugin::Authentication

An infrastructure plugin for the Catalyst authentication framework. Now the recommended way to do any form of Authentication.

Note that newer versions of the authentication plugin allow multiple realms, so that you can authenticate users in different ways in different parts of your application.

This, however, has involved deprecating all classes in the `Catalyst::Plugin::Authentication::Credential::` and `Catalyst::Plugin::Authentication::Store::` namespaces.

These plugins are still usable, but they have mostly been replaced with new modules in the new namespace which will work together.

Available Credential modules:

`Catalyst::Authentication::Credential::AuthTkt`

Allows you to use the [Apache::AuthTkt](#) module with Catalyst.

`Catalyst::Authentication::Credential::FBConnect`

Allows you to authenticate Facebook users using the FBConnect API.

`Catalyst::Authentication::Credential::Flickr`

Provides authentication via Flickr, using its API.

`Catalyst::Authentication::Credential::HTTP`

Allows you to authenticate users using HTTP Basic or Digest authentication.

`Catalyst::Authentication::Credential::HTTP::Proxy`

Allows you to authenticate users against a remote web server offering HTTP authentication.

`Catalyst::Authentication::Credential::Kerberos`

Allows you to authenticate your users against a Kerberos server.

`Catalyst::Authentication::Credential::OAuth`

Allows you to authenticate users using their login on other websites supporting the OAuth protocol.

`Catalyst::Authentication::Credential::OpenID`

Allows you to authenticate users using their login on other websites supporting the OpenID protocol.

`Catalyst::Authentication::Credential::Password`

Takes a username (or userid) and a password, and tries various methods of comparing a password based on what the chosen store's user objects support. Part of the Authentication Framework

[Catalyst::Plugin::Authentication.](#)

[Catalyst::Authentication::Credential::RPX](#)

Allows you to authenticate users using the RPX protocol.

[Catalyst::Authentication::Credential::Remote](#)

Allows you to authenticate users in Catalyst that have already been authenticated by your web server. This is useful for authenticating users with SSL Client certificates, and using NTLM or any other authentication protocol natively supported by your web server.

[Catalyst::Authentication::Credential::Testing](#)

Allows you to set the same password for all users, which is useful when you want to test logging in as multiple users or multiple types of user, without having to mock things, or set all users' passwords in your test suite.

[Catalyst::Authentication::Credential::Authen::Simple](#)

Allows any of the [Authen::Simple](#) family of modules to be used to authenticate users in Catalyst.

Available Store modules:

[Catalyst::Authentication::Store::DBIx::Class](#)

Does authentication and authorization against a [DBIx::Class](#) model.

[Catalyst::Authentication::Store::Htpasswd](#)

Uses [Authen::Htpasswd](#) to let your application use .htpasswd files for its authentication storage.

[Catalyst::Authentication::Store::AuthTkt](#)

This module implements the Catalyst::Authentication API for [Apache::AuthTkt](#).

[Catalyst::Authentication::Store::DBI](#)

Allows you to use a plain [DBI](#) database connection to identify users.

[Catalyst::Authentication::Store::Htpasswd](#)

Allows you to use an Apache htpasswd type file to authenticate users.

[Catalyst::Authentication::Store::KiokuDB](#)

Authenticate users stored as objects in the [KiokuDB](#) object graph storage engine system.

[Catalyst::Authentication::Store::LDAP](#)

Authenticates users using an LDAP server.

Catalyst::Authentication::Store::Minimal

Lets you create a very quick and dirty user database in your application's config hash. Great for testing or getting up and running quickly.

Catalyst::Authentication::Store::Null

The Null store is a transparent store where any supplied user data is accepted. This is mainly useful for remotely authenticating credentials (e.g. OpenID) which may not be tied to any local storage.

Catalyst::Authentication::Store::RDBO

Allows access to authentication information stored in a database via a [Rose::DB::Object](#) class.

Catalyst::Authentication::Store::Tangram

Allows access to authentication information stored in a database via a [Tangram](#) class.

Catalyst::Authentication::Store::DBIx::Class

Allows access to authentication information stored in a database via a [DBIx::Class](#) class.

Catalyst::Authentication::Store::Jifty::DBI

Allows access to authentication information stored in a database via a [Jifty::DBI](#) class.

Catalyst::Authentication::User::Hash

An easy authentication user object based on hashes. See [Catalyst::Authentication::Store::Minimal](#) for more info.

Catalyst::Plugin::Authorization::ACL

This module provides Access Control List style path protection, with arbitrary rules for [Catalyst](#) applications. It operates only on the Catalyst private namespace, at least at the moment.

Catalyst::Plugin::Authorization::Roles

[Catalyst::Plugin::Authorization::Roles](#) provides role-based authorization for Catalyst based on [Catalyst::Plugin::Authentication](#).

Catalyst::Plugin::AutoSession

[Catalyst::Plugin::AutoSession](#) enables specified request parameters to generate session variables.

Catalyst::Plugin::Browser

Extends [Catalyst::Request](#) by adding the capability of browser detection. It returns an instance of [HTTP::BrowserDetect](#), which lets you get information from the client's user agent.

Catalyst::Plugin::Cache

Provides a cache method enabling easy access to a shared cache implementing the `Cache::APO`, such as:

FastMmap

FileCache

BerkeleyDB

Memcached

CHI

Catalyst::Plugin::CGI::Untaint

Catalyst::Plugin::Charsets::Japanese

Provides specific charset handlers for the Japanese charsets.

Catalyst::Plugin::Compress::Bzip2

Catalyst::Plugin::Compress::Deflate

Catalyst::Plugin::Compress::Gzip

Catalyst::Plugin::Compress::Zlib

Catalyst::Plugin::ConfigLoader

Provides a standard method for loading config files. Support exists for various formats. See [Catalyst::Plugin::ConfigLoader::General](#), [Catalyst::Plugin::ConfigLoader::INI](#), [Catalyst::Plugin::ConfigLoader::JSON](#), [Catalyst::Plugin::ConfigLoader::Perl](#), [Catalyst::Plugin::ConfigLoader::XML](#), and [Catalyst::Plugin::ConfigLoader::YAML](#)

Catalyst::Plugin::ConfigurablePathTo

Catalyst::Plugin::Devel::InPageLogs

Catalyst::Plugin::Devel::InPageLogs::Log

Catalyst::Plugin::Dojo

Catalyst::Plugin::Dumper

Catalyst::Plugin::Email::Japanese

Catalyst::Plugin::Email::Page

Catalyst::Plugin::FillInForm

A plugin based on `HTML::FillInForm`, which describes itself as a module to automatically insert data from a previous HTML form into the HTML input, textarea, radio buttons, checkboxes, and select tags. `HTML::FillInForm` is a subclass of `HTML::Parser` and uses it to parse the HTML and insert the values into the form tags.

Catalyst::Plugin::Flavour

Catalyst::Plugin::Geography

Allows you to retrieve various kinds of geographical information. You can retrieve the country or code from the current user, from a given IP address, or from a given hostname.

Catalyst::Plugin::Geography::Implementation

Catalyst::Plugin::HashedCookies

Catalyst::Plugin::HTML::Scrubber

Catalyst::Plugin::I18N

An internationalization plugin for Catalyst. Supports `mo/po` files and Maketext classes under your application's I18N namespace.

Catalyst::Plugin::JSONRPC

Catalyst::Plugin::Message

Catalyst::Plugin::MobileAgent

Catalyst::Plugin::Observe

Provides the ability to register AOP-like callbacks to specific Engine events. Subclasses [Class::Publisher](#).

Catalyst::Plugin::OrderedParams

Adjusts the way that parameters operate, causing them to appear in the same order they were submitted by the browser. This can be useful for creating things such as email forms.

Catalyst::Plugin::PageCache

Helps improve the performance of slow or frequently accessed pages by caching the entire output of your page. Subsequent requests to the page will receive the page very quickly from cache.

Catalyst::Plugin::Params::Nested

Catalyst::Plugin::Params::Nested::Expander

Catalyst::Plugin::Pluggable

A plugin for pluggable Catalyst applications.

Catalyst::Plugin::Prototype

A plugin for the Prototype JavaScript library. This plugin allows you to easily implement AJAX functionality without actually knowing Javascript.

Catalyst::Plugin::Redirect

Allows for easy redirecting with the Catalyst app.

Catalyst::Plugin::RequestToken

Catalyst::Plugin::RequireSSL

Use this if you would like to force visitors to access certain pages using only SSL mode. An attempt to access the page in non-SSL mode will receive a redirect into SSL mode. Useful for login pages, shopping carts, user registration forms, and other sensitive data.

Catalyst::Plugin::Scheduler

Catalyst::Plugin::Session

The [Catalyst::Plugin::Session](#) series of modules provide an easy way to include session handling in an application. You can choose from several different backend storage methods and combine that with your choice of client-side storage methods.

Catalyst::Plugin::Session::PerUser

Catalyst::Plugin::Session::State

Catalyst::Plugin::Session::State::Cookie

Catalyst::Plugin::Session::State::URI

Catalyst::Plugin::Session::Store

Catalyst::Plugin::Session::Store::CDBI

Catalyst::Plugin::Session::Store::DBI

Catalyst::Plugin::Session::Store::DBIC

Catalyst::Plugin::Session::Store::Dummy

Catalyst::Plugin::Session::Store::FastMmap

Catalyst::Plugin::Session::Store::File

Catalyst::Plugin::Session::Store::Memcached

Catalyst::Plugin::Session::Test::Store

Catalyst::Plugin::Singleton

Catalyst::Plugin::Snippets

Catalyst::Plugin::SRU

Allows your controller class to dispatch SRU actions (explain, scan, and searchRetrieve) from its own class.

Catalyst::Plugin::StackTrace

Catalyst::Plugin::Static

[Catalyst::Plugin::Static](#) is a plugin to serve static files from `$c->config(root => 'foo')`. Intended chiefly for development purposes.

Catalyst::Plugin::Static::Simple

Serves static files in your application without requiring a single line of code.

Catalyst::Plugin::SubRequest

A plugin to allow subrequests to actions to be made within Catalyst. Nice for portal software and such.

Catalyst::Plugin::SuperForm

An interface to the [HTML::SuperForm](#) module, enabling easy HTML form creation.

Catalyst::Plugin::Unicode::Encoding

Provides a Unicode-aware Catalyst. On request, it decodes all params from UTF-8 octets into a sequence of logical characters. On response, it encodes the body into UTF-8 octets.

Catalyst::Plugin::Unicode

Disrecommended plugin which tries to autodetect the utf8ness of the output and do the correct thing. This may work in some cases, but if it helps, you've already painted yourself into a corner - try to avoid!

Catalyst::Plugin::Upload::Basename

Catalyst::Plugin::Upload::MD5

Computes the MD5 message digest of uploaded files.

Catalyst::Plugin::Upload::MIME

Catalyst::Plugin::UploadProgress

Catalyst::Plugin::XMLRPC

Allows your Controller class to dispatch XMLRPC methods from its own class.

CONTROLLERS

Catalyst::Controller::HTML::FormFu

Catalyst integration for <HTML::FormFu>.

MODELS

Catalyst::Model::CDBI

The `Class::DBI` (CDBI) model class. It is built on top of `Class::DBI::Loader`, which automates the definition of `Class::DBI` sub-classes by scanning the underlying table schemas, setting up columns and primary keys.

Catalyst::Model::CDBI::Plain

A neutral interface to the `Class::DBI` module which does not attempt to automate table setup. It allows the user to manually set up `Class::DBI` classes, either by doing so within the Catalyst model classes themselves, or by inheriting from existing `Class::DBI` classes.

Catalyst::Model::DBIC::Schema

A [DBIx::Class](#) model class that can use either an explicit [DBIx::Class::Schema](#) or one automatically loaded from your database via [DBIx::Class::Schema::Loader](#).

Catalyst::Model::EVDB

Catalyst::Model::File

Catalyst::Model::Gedcom

Catalyst::Model::LDAP

Catalyst::Model::NetBlogger

Catalyst::Model::Plucene

A model class for the Plucene search engine.

Catalyst::Model::Proxy

Catalyst::Model::SVN

Catalyst::Model::Xapian

A model class for the Xapian search engine.

VIEWS

Catalyst::View::Atom::XML

Catalyst::View::Chart::Strip

Catalyst::View::CSS::Squish

Catalyst::View::Embperl

Catalyst::View::GD::Barcode

Catalyst::View::GraphViz

Catalyst::View::HTML::Template

A view component for rendering pages with [HTML::Template](#).

Catalyst::View::Jemplate

Catalyst::View::JSON

Catalyst::View::Mason

A view component for rendering pages with [HTML::Mason](#).

Catalyst::View::MicroMason

Catalyst::View::PHP

Catalyst::View::PSP

A view component for rendering pages using PSP, a Perl extension implementing a JSP-like templating system. See [Text::PSP](#).

Catalyst::View::Petal

A view component for rendering pages using Petal, the Perl Template Attribute Language, an XML-based templating system. See [Petal](#).

Catalyst::View::TT

A view component for rendering pages with Template Toolkit. See [Template::Manual](#).

Catalyst::View::XSLT

Catalyst::View::vCard

Actions

Catalyst::Action::RenderView

Creates a sane, standard end method for your application.

OBSOLETE MODULES

Catalyst::Controller::BindLex

Lets you mark lexical variables with a `Stashed` attribute, automatically passing them to the stash. Discouraged by the author.

Catalyst::Model::DBIC

Replaced by [Catalyst::Model::DBIC::Schema](#).

Catalyst::Plugin::Authentication::Basic::Remote

Replaced by [Catalyst::Plugin::Authentication::Credential::HTTP](#).

Catalyst::Plugin::Authentication::CDBI

Replaced by [Catalyst::Plugin::Authentication::Store::DBIC](#).

Catalyst::Plugin::Authentication::CDBI::Basic

Replaced by [Catalyst::Plugin::Authentication::Credential::HTTP](#).

Catalyst::Plugin::Authentication::LDAP

Replaced by [Catalyst::Plugin::Authentication::Store::LDAP](#).

Catalyst::Plugin::Authentication::Simple

Replaced by [Catalyst::Plugin::Authentication](#).

Catalyst::Plugin::Authorization::CDBI::GroupToken

Catalyst::Plugin::CDBI::Transaction

Catalyst::Plugin::Config::*

The [Catalyst::Plugin::Config::JSON](#) and [Catalyst::Plugin::Config::YAML](#) modules have been replaced by their corresponding [Catalyst::Plugin::ConfigLoader](#) modules.

Catalyst::Plugin::DefaultEnd

Replaced by [Catalyst::Action::RenderView](#)

Catalyst::Plugin::SanitizeUrl

Catalyst::Plugin::SanitizeUrl::PrepAction

Catalyst::Plugin::Session::*

The [Catalyst::Plugin::Session::CGISession](#), [Catalyst::Plugin::Session::FastMmap](#), [Catalyst::Plugin::Session::Flex](#), and [Catalyst::Plugin::Session::Manager](#) modules have been replaced by the <Catalyst::Plugin::Session> framework.

AUTHORS

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