Patterns in kernel/private

Every class, view, fetch function, operator and plugin point of kernel/private with its design patterns.

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> **Note**
>
> This page is generated from the source code by `php bin/php/exppatterncatalogue.php --write`. Do not edit it by hand: change the code or the generator, then run the command again. How the patterns are recognized: the pattern catalogue.

Every class, interface and trait of `kernel/private` with the patterns it was recognized as, followed by the module views, policy functions, fetch functions, template operators, cronjobs, event hooks and INI plugin points of the area. All patterns.

Classes (181)

Class	Kind	Patterns	File	Description
`expApiKeyAuthFilter`	class extends ezcAuthenticationFilter	Decorator / filter	`kernel/private/rest/classes/auth/apikey_auth_filter.php:19`	Authentication filter for a personal API key (expApiKey) presented as "Authorization: Bearer expk_..." (doc/eng-us/guides/api-keys.md, "How the REST...
`expApiKeyRest`	class	Utility (static helper)	`kernel/private/rest/classes/auth/apikey_rest.php:24`	How the REST layer resolves a personal API key (doc/eng-us/guides/api-keys.md, "For developers").
`expContentAccessReport`	class	Utility (static helper)	`kernel/private/classes/expcontentaccessreport.php:23`	Answers "may this user do this with this object or node, and if not, which limitation refuses it": the access checks of the kernel made for another u...
`expContentSecurityPolicy`	class	Utility (static helper)	`kernel/private/classes/expcontentsecuritypolicy.php:39`	The Content Security Policy of a page, from site.ini [ContentSecurityPolicy].

Class	Kind	Patterns	File	Description
expContentSecurityPolicyReport	class	–	kernel/private/classes/expcontentsecuritypolicyreport.php:40	The reports of the Content Security Policy (doc/eng-us/features/6.0/content-security-policy.md, "Reports"): what the view csp/report receives from th...
expFileConsistencyReport	class	Factory and static factory methods	kernel/private/classes/expfileconsistencyreport.php:36	Compares the files of an installation with the checksum lists that ship with it: share/filelist.md5 of Exponential and the share/filelist.md5 an exte...
expOAuthAuthorizePolicy	class	Utility (static helper)	kernel/private/rest/classes/oauth/authorize_policy.php:21	Decides whether a signed in user may authorize an OAuth client in oauth/authorize.
expOAuthAuthorizePolicyGrant	class	Utility (static helper)	kernel/private/rest/classes/oauth/authorize_policy_grant.php:26	Plans and applies the upgrade grant of the policy oauth/authorize (bin/php/addoauthauthorizepolicy.php).
expOAuthPkce	class	Utility (static helper)	kernel/private/rest/classes/oauth/pkce.php:24	Proof Key for Code Exchange (PKCE, RFC 7636) for the OAuth authorization code flow.
expRestContentPermission	class	Factory and static factory methods, Utility (static helper)	kernel/private/rest/classes/auth/content_permission.php:36	The current user's rights on the content a REST call reads or writes, checked the way the content module checks them (doc/eng-us/guides/api-keys.md,...
expRestCors	class	Factory and static factory methods	kernel/private/rest/classes/cors.php:29	Cross-origin resource sharing (CORS) for the REST interface (index_rest.php: the content API, the OAuth token end point and every other route of a RE...

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expRestPasswordAuthFilter	class extends ezcAuthenticationFilter	Decorator / filter	kernel/private/rest/classes/auth/password_auth_filter.php:23	Checks a login and password for the REST interface's basic authentication the way the sign-in does.
expRestPasswordChangeRequiredStatus	class implements ezcMvcResultStatusObject	–	kernel/private/rest/classes/status/password_change_required.php:15	403 Forbidden with the error code password_change_required: the credentials are right, but the account is marked "change password at next sign-in" (e...
expRestRateLimitedStatus	class implements ezcMvcResultStatusObject	–	kernel/private/rest/classes/status/rate_limited.php:14	429 Too Many Requests with Retry-After, for a personal API key over its rate limit (rest.ini [ApiKeySettings] RateLimitPerMinute).
expRestSecondFactorRequiredStatus	class implements ezcMvcResultStatusObject	–	kernel/private/rest/classes/status/second_factor_required.php:16	The REST answer to a password that was right for an account that needs a second sign-in step (expSignInSecondFactor): 401 with WWW-Authenticate (an a...
expSchemaConsistencyReport	class	Factory and static factory methods	kernel/private/classes/expschemaconsistencyreport.php:36	Compares the database with the schema that ships with Exponential and its active extensions (share/db_schema.dba of the root and of each extension),...
eZAutoloadGenerator	class	Builder, Factory and static factory methods	kernel/private/classes/ezautoloadgenerator.php:19	Utility class for generating autoload arrays for Exponential.
eZClusterFileHandlerInterface	interface	Interface (contract)	kernel/private/interfaces/ezclusterfilehandlerinterface.php:15	Cluster file handlers interface
eZContentObjectState	class extends eZPersistentObject	Active Record (eZPersistentObject), INI plugin point (extension point)	kernel/private/classes/ezcontentobjectstate.php:18	Class representing a content object state

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eZContentObjectStateGroup	class extends eZPersistentObject	Active Record (eZPersistentObject), INI plugin point (extension point)	kernel/private/classes/ezcontentobjectstategroup.php:18	Class respresenting a content object state group
eZContentObjectStateGroupLanguage	class extends eZPersistentObject	Active Record (eZPersistentObject), INI plugin point (extension point)	kernel/private/classes/ezcontentobjectstategrouplanguage.php:21	This class takes care of the localization of a content object state group.
eZContentObjectStateLanguage	class extends eZPersistentObject	Active Record (eZPersistentObject), INI plugin point (extension point)	kernel/private/classes/ezcontentobjectstatelanguage.php:21	This class takes care of the localization of a content object state.
ezpActiveExtensions	class	Factory and static factory methods	kernel/private/classes/ezpactiveextensions.php:26	Changes [ExtensionSettings] ActiveExtensions in settings/override/site.ini.append.php, for Setup › Extensions, without touching anything else in that...
ezpAsynchronousPublisherOutput	interface	Interface (contract)	kernel/private/interfaces/asynchronouspublisheroutput.php:16	This interface is used as the basis for the ezpasynchronouspublisher.php daemon
ezpAsynchronousPublishingFilter	abstract class implements ezpAsynchronousPublishingFilterInterface	Decorator / filter, Template Method / abstract base class	kernel/private/classes/ezpasynchronouspublishingfilter.php:24	This interface is to be used to create accept/reject filters for the Asynchronous Publishing feature Each filter class must implement the accept() me...
ezpAsynchronousPublishingFilterInterface	interface	Decorator / filter, Interface (contract)	kernel/private/interfaces/asynchronouspublishingfilter.php:17	Base interface for eZ Asynchronous Publishing filter classes
ezpAttributeOperatorFormatter	class	–	kernel/private/eztemplate/ezpattributeoperatorformatter.php:12	–
ezpAttributeOperatorFormatterInterface	interface	Interface (contract)	kernel/private/eztemplate/ezpattributeoperatorformatterinterface.php:12	–

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ezpAttributeOperatorHTMLFormatter	class extends ezpAttributeOperatorFormatter implements ezpAttributeOperatorFormatterInterface	INI plugin point (extension point)	kernel/private/eztemplate/ezpattributeoperatorhtmlformatter.php:12	–
ezpAttributeOperatorManager	class	Facade / service, Factory and static factory methods, Utility (static helper)	kernel/private/eztemplate/ezpattributeoperatormanager.php:12	–
ezpAttributeOperatorTextFormatter	class extends ezpAttributeOperatorFormatter implements ezpAttributeOperatorFormatterInterface	INI plugin point (extension point)	kernel/private/eztemplate/ezpattributeoperatortextformatter.php:12	–
ezpAutoloadCliOutput	class implements ezpAutoloadOutput	–	kernel/private/classes/ezpautoloadclioutput.php:17	Utility class for providing CLI output and incremental progress information.
ezpAutoloadFileFindContext	class extends ezcBaseStruct	Value object / struct	kernel/private/structs/ezpautoloadfilefindcontext.php:17	Struct which defines the information collected by the file walker for locating files.
ezpAutoloadGeneratorOptions	class extends ezcBaseOptions	–	kernel/private/options/ezpautoloadgeneratoroptions.php:55	Class containing options for eZAutoloadGenerator
ezpAutoloadOutput	interface	Interface (contract)	kernel/private/interfaces/ezpautoloadoutput.php:17	Interface for classes providing output for autoload generation.
ezpCacheClusterException	class extends ezcCacheException	Exception hierarchy	kernel/private/rest/classes/cache/exceptions/cluster.php:15	Generic exception class for ezpCacheCluster
ezpCacheStorageClusterOptions	class extends ezcBaseOptions	–	kernel/private/rest/classes/cache/options/storage_cluster.php:15	Option class for the ezpCacheStorageCluster class.
ezpContent	class	Factory and static factory methods	kernel/private/api/content/content.php:56	Class that represents a content item.
ezpContentAccessDeniedException	class extends ezpContentException	Exception hierarchy	kernel/private/api/content/exceptions/access_denied.php:12	–

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ezpContentClassCriteria	class implements ezpContentCriteriaInterface	–	kernel/private/api/content/criteria/class.php:16	This class allows for configuration of a content class based criteria
ezpContentCriteria	class	–	kernel/private/api/content/criteria.php:28	This class is used to instantiate and manipulate content listing criterias.
ezpContentCriteriaInterface	interface	Interface (contract)	kernel/private/api/interfaces/content_criteria.php:16	This interface is the base one when it comes to implementing content query criteria
ezpContentCriteriaSet	class implements ArrayAccess, Countable, Iterator	Iterator	kernel/private/api/content/criteria_set.php:16	This class handles a list of content query criteria
ezpContentDepthCriteria	class implements ezpContentCriteriaInterface	–	kernel/private/api/content/criteria/depth.php:16	Depth criteria
ezpContentException	abstract class extends ezcBaseException	Exception hierarchy, Template Method / abstract base class	kernel/private/api/content/exceptions/content_exception.php:17	This is the base exception for the Exponential content API
ezpContentField	class	Factory and static factory methods	kernel/private/api/content/field.php:17	This class handles content fields.
ezpContentFieldCriteria	class implements ezpContentCriteriaInterface	–	kernel/private/api/content/criteria/field.php:17	This class is used to instantiate and manipulate a field value content criteria.
ezpContentFieldNotFoundException	class extends ezpContentException	Exception hierarchy	kernel/private/api/content/exceptions/content_field_not_found.php:11	–
ezpContentFieldSet	class implements ArrayAccess, Iterator	Factory and static factory methods, Iterator	kernel/private/api/content/field_set.php:18	Allows for reading/writing of content fields (attributes) through an array like interface.

Class	Kind	Patterns	File	Description
ezpContentLimitation	class	Utility (static helper)	kernel/private/classes/ezpcontentlimitation.php:26	Asks the handler an extension registered for a content policy limitation the kernel does not know (site.ini [RoleSettings] LimitationHandlers[]=, see...
ezpContentLimitationHandler	interface	Interface (contract), Strategy / handler	kernel/private/interfaces/ezpcontentlimitationhandler.php:29	Evaluates a policy limitation of the content module that the kernel does not know itself.
ezpContentLimitationSolrHandler	interface extends ezpContentLimitationHandler	Interface (contract), Strategy / handler	kernel/private/interfaces/ezpcontentlimitationsolrhandler.php:23	A content limitation handler that can also restrict a search in a search engine that filters by the policies of the user itself, such as eZ Find with...
ezpContentLimitCriteria	class implements ezpContentCriteriaInterface	–	kernel/private/api/content/criteria/limit.php:16	This class allows for configuration of an offset/limit based criteria
ezpContentList	class implements Countable, Iterator	Iterator	kernel/private/api/content/list.php:18	This class lets you browse a previously fetched content list, for instance using ezpContentRepository::query() It is more or less a ResultSet from a...
ezpContentLocation	class extends ezpLocation	Factory and static factory methods	kernel/private/api/content/location.php:21	This class is used to manipulate a specific content location.
ezpContentLocationCriteria	class implements ezpContentCriteriaInterface	–	kernel/private/api/content/criteria/location.php:16	This class allows for configuration of a location based criteria
ezpContentLocationSet	class	–	kernel/private/api/content/location_set.php:15	This class represents the locations for a piece of content
ezpContentNotFoundException	class extends ezpContentException	Exception hierarchy	kernel/private/api/content/exceptions/content_not_found.php:12	–

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ezpContentPublishingProcess	class extends eZPersistentObject	Active Record (eZPersistentObject), Factory and static factory methods	kernel/private/classes/ezpcontentpublishingprocess.php:18	This class provides a PersistentObject interface to a publishing queue process.
ezpContentPublishingQueue	class implements ezpContentPublishingQueueReaderInterface	INI plugin point (extension point), Utility (static helper)	kernel/private/classes/ezpcontentpublishingqueue.php:19	This class manages the content publishing queue.
ezpContentPublishingQueueProcessor	class	Singleton / instance()	kernel/private/classes/ezpcontentpublishingqueueprocessor.php:21	This class manages the publishing queue through ezpContentPublishingProcess persistent objects
ezpContentPublishingQueueReaderInterface	interface	Interface (contract)	kernel/private/interfaces/ezpcontentpublishingqueuereader.php:18	This interface describes an asynchronous publishing queue reader Queue readers are meant to provide the asynchronous publishing system with the next...
ezpContentRepository	class	Utility (static helper)	kernel/private/api/content/repository.php:16	This class handles querying of content repository
ezpContentSortingCriteria	class implements ezpContentCriteriaInterface	–	kernel/private/api/content/criteria/sorting.php:16	Sorting criteria
ezpContentXHTMLRenderer	class extends ezpRestContentRendererInterface	INI plugin point (extension point)	kernel/private/rest/classes/renderers/xhtml_content_renderer.php:12	–
ezpDatabaseBasedClusterFileHandler	interface	Interface (contract), Strategy / handler	kernel/private/interfaces/ezpdatabasebasedclusterfilehandler.php:20	This interface describes a database based cluster file handler
ezpEvent	class	Observer / listener / event, Singleton / instance()	kernel/private/classes/ezpevent.php:20	This class handles internal kernel events in Exponential, aka hooks.
ezpExtension	class	Singleton / instance()	kernel/private/classes/ezpextension.php:15	Object representing an Exponential extension

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ezpExtensionOptions	class extends ezcBaseOptions	–	kernel/private/options/ezpextensionoptions.php:58	Class containing options for eZExtension, this option system is only used by eZExtension::getHandlerClass so far.
ezpFormTokenRefusal	class	Utility (static helper)	kernel/private/classes/ezpformtokenrefusal.php:27	Turns an ezpFormTokenException -- a POST whose form token was missing or wrong -- into a refusal: HTTP 403, Cache-Control: no-store, the security hea…
ezpHttpResponseCodes	class	–	kernel/private/rest/classes/http_response_codes.php:12	–
ezpKernel	class implements ezpWebBasedKernelHandler	Front Controller, Singleton / instance(), Strategy / handler	kernel/private/classes/ezpkernel.php:16	Base Exponential kernel class.
ezpKernelHandler	interface	Front Controller, Interface (contract), Strategy / handler	kernel/private/interfaces/ezpkernelhandler.php:14	Interface for kernel handlers
ezpKernelRedirect	class extends ezpKernelResult	–	kernel/private/classes/ezpkernelredirect.php:14	Struct containing information on HTTP redirection.
ezpKernelRest	class implements ezpKernelHandler	Front Controller, Strategy / handler	kernel/private/rest/classes/ezpkernelrest.php:11	–
ezpKernelResult	class	–	kernel/private/classes/ezpkernelresult.php:14	Struct containing the kernel result.
ezpKernelTreeMenu	class implements ezpKernelHandler	Front Controller, Strategy / handler	kernel/private/classes/ezpkerneltreemenu.php:11	–
ezpKernelWeb	class implements ezpWebBasedKernelHandler	Front Controller, Strategy / handler	kernel/private/classes/ezpkernelweb.php:16	Provides a kernel handler in web context
ezpLanguageSwitcher	class implements ezpLanguageSwitcherCapable	INI plugin point (extension point)	kernel/private/classes/ezplanguageswitcher.php:18	Utility class for transforming URLs between siteaccesses.

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ezpLanguageSwitcherCapable	interface	Interface (contract)	kernel/private/interfaces/ezplanguageswitchercapable.php:17	Interface for classes providing language switcher functionality.
ezpLanguageSwitcherFunctionCollection	class	Fetch function (Query Object, Facade)	kernel/private/modules/switchlanguage/ezpLanguageSwitcherFunctionCollection.php:14	–
ezpLanguageSwitcherOperator	class	Template operator (Interpreter plugin)	kernel/private/eztemplate/ezplanguageswitcheroperator.php:12	–
ezpLocation	class	–	kernel/private/api/location.php:16	This class is used to manipulate locations
ezpMail	class extends ezcMail	–	kernel/private/classes/ezpmail.php:14	ezpMail extends ezcMail in order to override default values and limitations.
ezpMobileDeviceDetect	class	–	kernel/private/classes/ezpmobiledevicedetect.php:15	ezpMobileDeviceDetect class implementation
ezpMobileDeviceDetectFilter	class	Decorator / filter	kernel/private/classes/ezpmobiledevicedetectfilter.php:12	–
ezpMobileDeviceDetectFilterInterface	interface	Decorator / filter, Interface (contract)	kernel/private/classes/ezpmobiledevicedetectfilterinterface.php:12	–
ezpMobileDeviceRegexpFilter	class implements ezpMobileDeviceDetectFilterInterface	Decorator / filter, INI plugin point (extension point)	kernel/private/classes/ezpmobiledeviceregexpfilter.php:15	Default implementation of mobile device detect interface.
ezpMultivariateTest	class	–	kernel/private/classes/ezpmultivariatetest.php:12	–
ezpMultivariateTestHandler	class implements ezpMultivariateTestHandlerInterface	INI plugin point (extension point), Strategy / handler	kernel/private/classes/ezpmultivariatetesthandler.php:12	–
ezpMultivariateTestHandlerInterface	interface	Interface (contract)	kernel/private/classes/ezpmultivariatetesthandlerinterface.php:12	–
ezpMvcConfigurableDispatcher	class extends ezcMvcConfigurableDispatcher	–	kernel/private/rest/classes/dispatcher.php:12	–

Class	Kind	Patterns	File	Description
ezpMvcConfiguration	class implements ezcMvcDispatcherConfiguration	–	kernel/private/rest/classes/mvc_configuration.php:11	–
ezpMvcRailsRoute	class extends ezcMvcRailsRoute	–	kernel/private/rest/classes/routes/rails.php:11	–
ezpMvcRegexpRoute	class extends ezcMvcRegexpRoute	Front Controller	kernel/private/rest/classes/routes/regexp.php:16	Override of ezcMvcRegexpRoute.
ezpNativeUserAuthFilter	class extends ezcAuthenticationFilter	Decorator / filter	kernel/private/rest/classes/auth/native_user_authfilter.php:11	–
ezpOauthBadRequestException	abstract class extends ezpOauthException	Exception hierarchy, Template Method / abstract base class	kernel/private/rest/classes/exceptions/bad_request.php:17	This is the base exception for triggering BAD REQUEST response.
ezpOauthErrorType	class	–	kernel/private/rest/classes/outh_error_type.php:12	–
ezpOauthException	abstract class extends ezcBaseException	Exception hierarchy, Template Method / abstract base class	kernel/private/rest/classes/exceptions/oauth.php:17	This is the base exception for the Exponential oauth library.
ezpOauthExpiredTokenException	class extends ezpOauthRequiredException	Exception hierarchy	kernel/private/rest/classes/exceptions/expired_token.php:18	This exception is thrown when the accept token has expired, but can be renewed.
ezpOauthFilter	class extends ezcAuthenticationFilter	Decorator / filter	kernel/private/rest/classes/oauth/oauth_filter.php:12	–
ezpOauthInsufficientScopeException	class extends ezpOauthRequiredException	Exception hierarchy	kernel/private/rest/classes/exceptions/insufficient_scope.php:18	This exception is thrown when a request is made with a token not repsresenting sufficient scope for the request to be accepted.
ezpOauthInvalidRequestException	class extends ezpOauthBadRequestException	Exception hierarchy	kernel/private/rest/classes/exceptions/invalid_request.php:21	This exception is thrown when a request is invalid.

Class	Kind	Patterns	File	Description
ezpOauthInvalidTokenException	class extends ezpOauthRequiredException	Exception hierarchy	kernel/private/rest/classes/exceptions/invalid_token.php:19	This exception is thrown when a token is invalid.
ezpOauthNoAuthInfoException	class extends ezpOauthRequiredException	Exception hierarchy	kernel/private/rest/classes/exceptions/missing_auth_info.php:18	This exception is thrown when the client did not provide any authentication information in the request.
ezpOauthRequired	class implements ezcMvcResultStatusObject	–	kernel/private/rest/classes/status/oauth_required.php:15	This result type is used to signal a HTTP basic auth header
ezpOauthRequiredException	abstract class extends ezpOauthException	Exception hierarchy, Template Method / abstract base class	kernel/private/rest/classes/exceptions/auth.php:17	This is the base exception for responsenses need authentication.
ezpOauthTokenEndpointErrorType	class	–	kernel/private/rest/classes/oauth_token_endpoint_error.php:12	–
ezpOauthTokenNotFoundException	class extends ezpOauthException	Exception hierarchy	kernel/private/rest/classes/exceptions/oauth_token_not_found.php:17	This is the base exception for the Exponential oauth library.
ezpOauthUtility	class extends ezpRestModel	Utility (static helper)	kernel/private/rest/classes/oauth/utility.php:17	Functionality for working against the draft 10 of the oauth2 spec.
ezpRestAuthcode	class implements ezcPersistentObject	–	kernel/private/rest/classes/models/ezprest_authcode.php:16	Data class ezprest_tokens.
ezpRestAuthConfiguration	class	–	kernel/private/rest/classes/auth/auth_configuration.php:19	Class controlling authentication inside REST layer.
ezpRestAuthController	class extends ezcMvcController	–	kernel/private/rest/classes/controllers/auth.php:15	Handles authentication with the REST interface.
ezpRestAuthenticationStyle	abstract class	Template Method / abstract base class	kernel/private/rest/classes/auth/styles/abstract_auth_style.php:11	–
ezpRestAuthenticationStyleInterface	interface	Interface (contract)	kernel/private/rest/classes/auth/auth_style.php:12	–

Class	Kind	Patterns	File	Description
ezpRestAuthorizedClient	class	–	kernel/private/oauth/classes/restauthorizedclient.php:16	Persistent object class representing a REST application authorization by a user.
ezpRestAuthProvider	class implements ezpRestProviderInterface	INI plugin point (extension point), Strategy / handler	kernel/private/rest/classes/auth/auth_provider.php:11	–
ezpRestAuthStyleNotFoundException	class extends ezpRestException	Exception hierarchy	kernel/private/rest/classes/exceptions/auth_style_not_found.php:12	–
ezpRestBasicAuthStyle	class extends ezpRestAuthenticationStyle implements ezpRestAuthenticationStyleInterface	–	kernel/private/rest/classes/auth/styles/basic_auth.php:23	HTTP basic authentication against the site's users.
ezpRestCacheStorageApcCluster	class extends ezcCacheStorageApcPlain	–	kernel/private/rest/classes/cache/apc.php:11	–
ezpRestCacheStorageCluster	abstract class extends ezpRestCacheStorageFile implements ezcCacheStackableStorage, ezcCacheStackMetaDataStorage	Template Method / abstract base class	kernel/private/rest/classes/cache/cluster.php:11	–
ezpRestCacheStorageClusterObject	class extends ezpRestCacheStorageCluster	–	kernel/private/rest/classes/cache/object.php:16	Cache storage implementation for compatible objects (implementing ezcBaseExportable interface).
ezpRestCacheStorageFile	abstract class extends ezcCacheStorageFile	–	kernel/private/rest/classes/cache/storage.php:11	–
ezpRestClient	class	–	kernel/private/oauth/classes/restclient.php:15	Persistent object class representing a REST application.
ezpRestContentRenderer	class	Factory and static factory methods, Utility (static helper)	kernel/private/rest/classes/content_renderer.php:12	–
ezpRestContentRendererInterface	abstract class	–	kernel/private/rest/classes/interfaces/content_renderer.php:12	–

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ezpRestContentRendererNotFoundException	class extends ezpRestException	Exception hierarchy	kernel/private/rest/classes/exceptions/content_renderer_not_found.php:12	–
ezpRestDbConfig	class implements ezcBaseConfigurationInitializer	Registry, Utility (static helper)	kernel/private/rest/classes/lazy.php:12	–
ezpRestDebug	class	Singleton / instance()	kernel/private/rest/classes/debug/debug.php:11	–
ezpRestDebugPHPFormatter	class implements ezcDebugOutputFormatter	–	kernel/private/rest/classes/debug/formatters/php_formatter.php:11	–
ezpRestDefaultRegexpPrefixFilter	class extends ezpRestPrefixFilterInterface	Decorator / filter, INI plugin point (extension point)	kernel/private/rest/classes/default_regexp_prefix_filter.php:15	Default implementation of prefix filter interface.
ezpRestErrorController	class extends ezcMvcController	–	kernel/private/rest/classes/controllers/error.php:15	This controller deals with error situations arising in the REST layer.
ezpRestException	abstract class extends ezcBaseException	Exception hierarchy, Template Method / abstract base class	kernel/private/rest/classes/exceptions/rest_exception.php:17	This is the base exception for the Exponential REST layer
ezpRestFeedDecorator	class	Decorator / filter	kernel/private/rest/classes/views/feed_decorator.php:24	This class decorates the feed provided in the REST interface for content sync mechanisms.
ezpRestFilterMissingParameterException	class extends ezpRestException	Decorator / filter, Exception hierarchy	kernel/private/rest/classes/exceptions/filter_param_missing.php:12	–
ezpRestFilterNotFoundException	class extends ezpRestException	Decorator / filter, Exception hierarchy	kernel/private/rest/classes/exceptions/filter_not_found.php:12	–
ezpRestHttpRequestParser	class extends ezcMvcHttpRequestParser	–	kernel/private/rest/classes/request/http_parser.php:19	Custom request parser which creates instances of ezpRestRequest.
ezpRestHttpResponse	class implements ezcMvcResultStatusObject	–	kernel/private/rest/classes/status/http_response.php:12	–

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ezpRestHttpResponseWriter	class extends ezcMvcHttpResponseWriter	–	kernel/private/rest/classes/rest_http_response_writer.php:12	–
ezpRestHTTPSRequiredException	class extends ezpRestException	Exception hierarchy	kernel/private/rest/classes/exceptions/https_required.php:12	–
ezpRestIniRouteFilter	class extends ezpRestRouteFilterInterface	Decorator / filter, INI plugin point (extension point)	kernel/private/rest/classes/auth/ini_route_security.php:12	–
ezpRestJsonView	class extends ezcMvcView	–	kernel/private/rest/classes/views/json.php:12	–
ezpRestModel	abstract class	–	kernel/private/rest/classes/models/rest_model.php:15	Abstract class for every REST model
ezpRestMvcController	abstract class extends ezcMvcController	Front Controller, Template Method / abstract base class	kernel/private/rest/classes/controllers/rest_controller.php:15	Abstract class that must be extended by every REST controller
ezpRestMvcResult	class extends ezcMvcResult implements ezcBaseExportable	Factory and static factory methods, Value object / struct	kernel/private/rest/classes/response/result.php:15	This struct contains the result data to be returned by eZP REST controllers
ezpRestNoAuthStyle	class extends ezpRestAuthenticationStyle implements ezpRestAuthenticationStyleInterface	–	kernel/private/rest/classes/auth/styles/no_auth.php:16	This auth style is used when no authentication is required for current REST request A default user will be returned.
ezpRestOauthAuthenticationStyle	class extends ezpRestAuthenticationStyle implements ezpRestAuthenticationStyleInterface	INI plugin point (extension point)	kernel/private/rest/classes/auth/styles/oauth.php:12	–
ezpRestOauthErrorStatus	class implements ezcMvcResultStatusObject	–	kernel/private/rest/classes/status/oauth_error.php:12	–
ezpRestOauthTokenController	class extends ezcMvcController	–	kernel/private/rest/classes/controllers/oauth_token.php:18	Controller for OAuth token endpoint.
ezpRestPoConfig	class implements ezcBaseConfigurationInitializer	–	kernel/private/rest/classes/lazy.php:101	–

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ezpRestPrefixFilterInterface	abstract class	Decorator / filter, Template Method / abstract base class	kernel/private/rest/classes/prefix_filter.php:12	–
ezpRestPreRoutingFilterInterface	interface	Decorator / filter, Interface (contract)	kernel/private/rest/classes/interfaces/prerouting_filter.php:12	–
ezpRestProvider	class	Factory and static factory methods, Strategy / handler, Utility (static helper)	kernel/private/rest/classes/rest_provider.php:12	–
ezpRestProviderInterface	interface	Interface (contract)	kernel/private/rest/classes/interfaces/rest_provider.php:12	–
ezpRestProviderNotFoundException	class extends ezpRestException	Exception hierarchy	kernel/private/rest/classes/exceptions/rest_provider_not_found.php:12	–
ezpRestRequest	class extends ezcMvcRequest	–	kernel/private/rest/classes/request/rest_request.php:20	Class mimicking ezcMvcRequest with distinct containers for GET and POST variables.
ezpRestRequestFilterInterface	interface	Decorator / filter, Interface (contract)	kernel/private/rest/classes/interfaces/request_filter.php:12	–
ezpRestResponseFilterInterface	interface	Decorator / filter, Interface (contract)	kernel/private/rest/classes/interfaces/response_filter.php:12	–
ezpRestResultFilterInterface	interface	Decorator / filter, Interface (contract)	kernel/private/rest/classes/interfaces/result_filter.php:12	–
ezpRestRouteFilterInterface	abstract class	Decorator / filter, Template Method / abstract base class	kernel/private/rest/classes/interfaces/route_filter.php:11	–
ezpRestRouter	class extends ezcMvcRouter	Chain of Responsibility	kernel/private/rest/classes/router.php:11	–

Class	Kind	Patterns	File	Description
ezpRestRoutesCacheClear	class	INI plugin point (extension point), Utility (static helper)	kernel/private/rest/classes/cache/clear_routes.php:15	Clear cache handler.
ezpRestRouteSecurityFilterNotFoundException	class extends ezpRestException	Decorator / filter, Exception hierarchy	kernel/private/rest/classes/exceptions/route_security_filter_not_found.php:12	–
ezpRestStatusResponse	class implements ezcMvcResultStatusObject	–	kernel/private/rest/classes/status/response.php:12	–
ezpRestToken	class implements ezcPersistentObject	–	kernel/private/rest/classes/models/ezprest_token.php:16	Data class ezprest_tokens.
ezpRestTokenManager	class	Facade / service	kernel/private/oauth/classes/tokenmanager.php:17	This class handles application tokens
ezpRestVersionedRoute	class implements ezcMvcRoute, ezcMvcReversibleRoute	–	kernel/private/rest/classes/routes/versioned_route.php:19	Route wrapping around existing instance of ezcMvcRoute providing multiple versions of it.
ezpRestViewControllerInterface	interface	Interface (contract)	kernel/private/rest/classes/interfaces/view_controller.php:12	–
ezpRouteMethodNotAllowedException	class extends ezcMvcToolsException	Exception hierarchy	kernel/private/rest/classes/exceptions/route_method_not_allowed.php:12	–
ezpSearchEngine	interface	Interface (contract), Strategy / handler	kernel/private/interfaces/ezpsearchengine.php:18	This interface is used as the basis for the different search engine implementation
ezpSiteAccessMenu	class	Factory and static factory methods, Utility (static helper)	kernel/private/classes/ezpsiteaccessmenu.php:48	The administration's site menu: the siteaccesses of this installation with their front page addresses, for the globe button in the admin4 header.

Class	Kind	Patterns	File	Description
ezpSiteAccessURL	class	Utility (static helper)	kernel/private/classes/ezpsiteaccessurl.php:44	The address of a siteaccess's front page, worked out from the siteaccess settings and the request the visitor is on: the admin's "open the site" link...
ezpStaticCache	interface	Interface (contract)	kernel/private/interfaces/ezpstaticcache.php:16	This interface is used as the basis for the different StaticCache engine implementation
ezpTemplateOverrides	class	–	kernel/private/classes/ezptemplateoverrides.php:33	Changes the template overrides of one siteaccess, for Design › Templates, in settings/siteaccess//override.ini.append.php and nowhere else.
ezpTopologicalSort	class	–	kernel/private/classes/ezptopologicalsort.php:15	Sorts a series of dependencies in linear order (topological sort).
ezpTopologicalSortNode	class	–	kernel/private/classes/ezptopologicalsortnode.php:17	Node in a topological sort.
ezpUpdatedContent	abstract class	Template Method / abstract base class	kernel/private/rest/classes/sync/updates.php:23	This class provides API through which one can query for updated content items.
ezpUserNotFoundException	class extends ezpRestException	Exception hierarchy	kernel/private/rest/classes/exceptions/user_not_found.php:11	–
ezpWebBasedKernelHandler	interface extends ezpKernelHandler	Interface (contract), Strategy / handler	kernel/private/interfaces/ezpwebbasedkernelhandler.php:14	Interface for web-based kernel handlers
eZScriptClusterPurge	class	–	kernel/private/classes/ezscriptclusterpurge.php:32	This class handles purging of cluster items.
eZScriptTrashPurge	class	–	kernel/private/classes/ezscripttrashpurge.php:12	This class handles purging of trash items.

Module views (8)

View	Script	Policy functions	Defined in
/oauth/authorize	authorize.php	–	kernel/private/modules/oauth/module.php:21
/oauthadmin/list	list.php	–	kernel/private/modules/oauthadmin/module.php:21
/oauthadmin/edit	edit.php	–	kernel/private/modules/oauthadmin/module.php:26
/oauthadmin/action	action.php	–	kernel/private/modules/oauthadmin/module.php:37
/oauthadmin/view	view.php	–	kernel/private/modules/oauthadmin/module.php:46
/oauthadmin/keys	keys.php	–	kernel/private/modules/oauthadmin/module.php:54
/oauthadmin/keyaction	keyaction.php	–	kernel/private/modules/oauthadmin/module.php:61
/switchlanguage/to	to.php	–	kernel/private/modules/switchlanguage/module.php:16

Policy functions (1)

Function	Limitations	Defined in
oauth/authorize	–	kernel/private/modules/oauth/module.php:29

Fetch functions (1)

Fetch	Implemented by	Defined in
fetch('switchlanguage', 'url_alias')	ezpLanguageSwitcherFunctionCollection::fetchUrlAlias()	kernel/private/modules/switchlanguage/function_definition.php:13

Template operators (1)

Operators	Class	Registered in
language_switcher	ezpLanguageSwitcherOperator	kernel/private/eztemplate/eztemplateautoload.php:13

Event hooks (4)

Event	Kind	Called in
request/preinput	notify	kernel/private/classes/ezpkernelweb.php:1661

Event	Kind	Called in
request/input	notify	kernel/private/classes/ezpkernelweb.php:1786
response/preoutput	filter	kernel/private/classes/global_functions.php:83
response/output	filter	kernel/private/classes/global_functions.php:102

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