Observer / listener / event

Code that reacts to something that happened elsewhere without the source knowing it: ezpEvent listeners, notification handlers, cache listeners. 10 instances in Exponential.

Source file: `doc/eng-us/standards/patterns/observer.md` Last changed 2026-11-04
https://doc.exponential.earth/exphelp/viewer/standards/patterns/observer.md

> **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.

Code that reacts to something that happened elsewhere without the source knowing it: ezpEvent listeners, notification handlers, cache listeners.

Group	Behavior
Instances	10
Recognized by	Class name contains Listener, Observer or Subscriber, or has attach()/notify()/addListener() methods; every ezpEvent notify()/filter() call (see the hooks page).
Extension point	event.ini [Event] Listeners[]=EVENT@CALLBACK; notification.ini [NotificationEventHandlerSettings] AvailableNotificationEventTypes[].

Classes by area

extension/cjw_newsletter (2)

All patterns of extension/cjw_newsletter

Class	Kind	File	Description	Extension point
`CjwNewsletterSubscriberExport`	class	`extension/cjw_newsletter/classes/importexport/cjwnewslettersubscriberexport.php:22`	The subscribers of one list as CSV, with filters (subscription status, a date range on a chosen date) and a choice of columns.	–
`Exponential\View\Extension\CjwNewsletter\Newsletter\SubscriberExport`	class extends ModuleView	`extension/cjw_newsletter/classes/runnable/views/newsletter/subscriber_export.php:15`	newsletter/subscriber_export/: the subscribers of a list as a CSV file, with filters (status, a date range) and a choice of columns.	–

extension/expai (1)

All patterns of extension/expai

Class	Kind	File	Description	Extension point
expAiPackageDraftListener	class	extension/expai/classes/expaipackagedraftlistener.php:21	Listens to the kernel's event package/install/drafts (eZPackage::notifyDraftsInstalled(): after any install of a package as drafts, in Setup › Packag...	–

extension/explayouts (2)

All patterns of extension/explayouts

Class	Kind	File	Description	Extension point
expLayoutsSiteBundleEvent	class	extension/explayouts/classes/explayoutssitebundleevent.php:4	–	–
expLayoutsSiteBundleEventListener	class	extension/explayouts/classes/explayoutssitebundleeventlistener.php:4	–	–

kernel/classes/datatable (1)

All patterns of kernel/classes/datatable

Class	Kind	File	Description	Extension point
expDataSyncListener	class	kernel/classes/datatable/sync/expdatasynclistener.php:20	The live mirror of the data table synchronisations (doc/eng-us/features/6.0/data-tables.md, "Live mirror"): the kernel notifies content/publish, cont...	–

kernel/classes/requestclassifier (1)

All patterns of kernel/classes/requestclassifier

Class	Kind	File	Description	Extension point
expRequestVerdictListenerInterface	interface	kernel/classes/requestclassifier/exprequestverdictlistenerinterface.php:18	Told about every verdict of the request classifier after its security.log line is written (settings/requestclassifier.ini [ClassifierSettings] Listen...	–

kernel/private (1)

All patterns of kernel/private

Class	Kind	File	Description	Extension point

Class	Kind	File	Description	Extension point
ezpEvent	class	kernel/private/classes/ezpevent.php:20	This class handles internal kernel events in Exponential, aka hooks.	–

kernel/private/classes/clusterfilehandlers (1)

All patterns of kernel/private/classes/clusterfilehandlers

Class	Kind	File	Description	Extension point
eZClusterEventListener	interface	kernel/private/classes/clusterfilehandlers/interfaces/ezclustereventlistener.php:14	Interface to be implemented by any cluster event listener	–

kernel/private/classes/httpcache (1)

All patterns of kernel/private/classes/httpcache

Class	Kind	File	Description	Extension point
ezpHttpCacheListener	class	kernel/private/classes/httpcache/ezphttpcachelistener.php:27	The kernel side of the role-aware HTTP cache: stores rendered content views for the early exit and Velocity's parent to serve, and turns the kernel's...	–

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