Patterns in kernel/classes/datatable

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

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

Every class, interface and trait of `kernel/classes/datatable` 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 (19)

Class	Kind	Patterns	File	Description
`expDataConnection`	class extends eZPersistentObject	Active Record (eZPersistentObject)	`kernel/classes/datatable/expdataconnection.php:19`	A named database connection made in the administration (Setup › Data tables › Connections): a row of exp_data_connection.
`expDataConnections`	class	Utility (static helper)	`kernel/classes/datatable/expdataconnections.php:35`	The named database connections of the installation (doc/eng-us/features/6.0/data-tables.md, "Connections"):
`expDataSync`	class	Factory and static factory methods, Utility (static helper)	`kernel/classes/datatable/sync/expdatasync.php:39`	The synchronisation between content and data tables (doc/eng-us/features/6.0/data-tables.md, "Synchronisation"):
`expDataSyncConflict`	class extends eZPersistentObject	Active Record (eZPersistentObject)	`kernel/classes/datatable/sync/expdatasyncdefinition.php:140`	A conflict of a two-way synchronisation with the rule "ask" (table exp_data_sync_conflict): both sides changed since the last synchronisation; the va...

Class	Kind	Patterns	File	Description
expDataSyncDefinition	class extends eZPersistentObject	Active Record (eZPersistentObject)	kernel/classes/datatable/sync/expdatasyncdefinition.php:19	A synchronisation between content and a data table (table exp_data_sync; doc/eng-us/features/6.0/data-tables.md, "Synchronisation"): the persistent c…
expDataSyncLink	class extends eZPersistentObject	Active Record (eZPersistentObject)	kernel/classes/datatable/sync/expdatasyncdefinition.php:104	The pairing of a row and a content object of a synchronisation (table exp_data_sync_link): the row's key, the object, and the hashes and times of bot…
expDataSyncListener	class	Observer / listener / event, Utility (static helper)	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…
expDataSyncTask	class implements expKernelTransferTask	–	kernel/classes/datatable/sync/expdatasynctask.php:17	One run of a data table synchronisation, as the transfer runner calls it (expKernelTransferTask): parameters sync (the definition's id) and, for the…
expDataTableCatalogue	class	Singleton / instance()	kernel/classes/datatable/expdatatablecatalogue.php:32	The catalogue of data tables (doc/eng-us/features/6.0/data-tables.md, "The catalogue"): every persistent class of the installation (an eZPersistentOb…
expDataTableClassFieldSource	class implements expDataTableFieldSource	–	kernel/classes/datatable/expdatatablefieldsources.php:186	The fields of a content class: one column per attribute, typed by its datatype, and the columns that tie a row to its object (contentobject_id, uniqu…

Class	Kind	Patterns	File	Description
expDataTableDescriber	class	Utility (static helper)	kernel/classes/datatable/expdatatabledescriber.php:25	A data table as its database has it (doc/eng-us/features/6.0/data-tables.md, "Describe"): whether the table exists, its columns from the engine's own...
expDataTableFieldSource	interface	Interface (contract)	kernel/classes/datatable/expdatatablefieldsource.php:33	Something that can hand the fields of a new data table to the module table wizard (doc/eng-us/features/6.0/ data-tables.md, "The module table wizard"...
expDataTableFieldSources	class	Utility (static helper)	kernel/classes/datatable/expdatatablefieldsources.php:17	The field sources of the module table wizard: the kernel's (a content class, an existing table on a connection) and the kernel services tagged datata...
expDataTableFunctionCollection	class	Fetch function (Query Object, Facade), Utility (static helper)	kernel/classes/datatable/expdatatablefunctioncollection.php:28	The template fetch functions of the datatable module (kernel/datatable/function_definition.php, doc/eng-us/features/6.0/data-tables.md, "In templates...
expDataTableRelation	class	Utility (static helper)	kernel/classes/datatable/expdatatablerelation.php:25	Relations between data tables and content (doc/eng-us/features/6.0/data-tables.md, "Relations"): what a relation column of a row points at (a content...
expDataTableSchema	class	Factory and static factory methods, Utility (static helper)	kernel/classes/datatable/expdatatableschema.php:30	The schema of data tables on any connection (doc/eng-us/features/6.0/data-tables.md, "Schema"): a .dba schema, or one made from a persistent class's...

Class	Kind	Patterns	File	Description
`expDataTableTableFieldSource`	class implements expDataTableFieldSource	–	`kernel/classes/datatable/expdatatablefieldsources.php:254`	The fields of an existing table on a connection (the columns as the database describes them).
`expDataTableWriter`	class	–	`kernel/classes/datatable/expdatatablewriter.php:33`	Writes rows into a persistent class's table, the one way every import, sync and tool puts rows into a data table (doc/eng-us/features/6.0/data-tables...
`expKernelTableSchema`	class	Utility (static helper)	`kernel/classes/datatable/expkerneltableschema.php:25`	Tables of a .dba schema on any engine: whether a table exists (asked of the engine's own catalogue, never inferred from a query result: MongoDB answe...

Exponential Copyright © 1998-2026 Exponential Foundation and 7x
Permission is granted to copy, distribute and/or modify this document under the terms of the GNU Free Documentation License, Version 1.3 or any later version published by the Free Software Foundation; with no Invariant Sections, no Front-Cover Texts, and no Back-Cover Texts. A copy of the license is included in the section entitled "GNU Free Documentation License".
This documentation is free documentation, licensed under the GNU Free Documentation License 1.3 or later: https://www.gnu.org/licenses/fdl-1.3.html.