Built-in template operators

The template operators of an installation, grouped by implementing class - strings, arrays, logic, arithmetic, types, dates, URLs, settings, translation, icons, access, encoding, the packer.

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Part 8, reference 23. This page lists the operators of a running Exponential 6 installation, grouped by the PHP class that implements them. The list was produced by asking the template engine of a demo installation for every registered operator (October 2026), so it is what templates can call, not what an old manual said. Extensions add their own operators; those appear only when the extension is active. How each operator is used, with examples, is in the designer help (Operators overview and Operator reference).

Strings (eZTemplateStringOperator)

`break`, `chr`, `count_chars`, `count_words`, `downcase`, `ord`, `pad`, `shorten`, `simplify`, `trim`, `upcase`, `upfirst`, `upword`, `wash`, `wrap`

`wash` escapes a value for HTML (or, with a parameter, for `javascript`, `email` and other targets). Every value that did not come from your own template text goes through it.

More string functions (eZTemplateStringsOperator)

PHP's string functions under their own names, among them `sprintf`, `number_format`, `str_contains`, `str_starts_with`, `str_ends_with`, `strlen`, `substr_count`, `substr_replace`, `strtr`, `stripos`, `lcfirst`, `html_entity_decode`, `htmlentities`, `levenshtein`, `similar_text`, `soundex`, `metaphone`, `str_split`, `str_word_count`, `chunk_split`, `bin2hex`, `hex2bin`, `quoted_printable_encode` and the comparison functions (`strcmp`, `strcasecmp`, `strnatcmp` ...). Also `nl2br`, `strip_tags`, `urlencode`, `rawurlencode`, `urldecode`, `serialize`, `unserialize` and `getenv`.

Arrays (eZTemplateArrayOperator)

`append`, `array`, `array_append`, `array_merge`, `array_prepend`, `array_sum`, `begins_with`, `compare`, `contains`, `ends_with`, `explode`, `extract`, `extract_left`, `extract_right`, `hash`, `implode`, `insert`, `merge`, `prepend`, `remove`, `repeat`, `replace`, `reverse`, `unique`

Logic and control (eZTemplateLogicOperator, eZTemplateControlOperator)

`and`, `or`, `not`, `eq`, `ne`, `lt`, `le`, `gt`, `ge`, `choose`, `true`, `false`, `null`; `cond`, `first_set`

Arithmetic (eZTemplateArithmeticOperator)

`sum`, `sub`, `mul`, `div`, `mod`, `inc`, `dec`, `abs`, `ceil`, `floor`, `round`, `int`, `float`, `min`, `max`, `count`, `rand`, `roman`

Types (eZTemplateTypeOperator)

`is_array`, `is_boolean`, `is_integer`, `is_float`, `is_numeric`, `is_string`, `is_object`, `is_class`, `is_null`, `is_set`, `is_unset`, `get_type`, `get_class`

Dates and locale (eZTemplateLocaleOperator)

`l10n`, `locale`, `datetime`, `currentdate`, `maketime`, `makedate`, `gettime`

URLs, designs, settings, request (the URL operator class)

`ezurl`, `ezroot`, `ezdesign`, `ezimage`, `exturl`, `ezsys`, `ezini`, `ezini_hasvariable`, `ezhttp`, `ezhttp_hasvariable`; for multisite installations also `siteaccess_url`. `ezurl` and the image and design operators print their result quoted unless given `'no'`.

Translation (eZi18nOperator)

`i18n`, `x18n`, `d18n`: `{'Text'|i18n( 'extension/myext' )}` with your extension's context.

Icons (eZWordToImageOperator)

`icon`, `icon_info`, `class_icon`, `classgroup_icon`, `action_icon`, `mimetype_icon`, `flag_icon`, `wordtoimage`

Access (eZTemplateRoleOperator, ezjscore)

`has_role`, `has_role_id`, `has_any_role`, `has_role_by_user`, `has_role_by_user_id`, `has_policy`, `has_policy_by_user`, `has_access_to_limitation`. For "may the current user do X", prefer the fetch function `fetch( 'user', 'has_access_to', ... )` (eZUser and access checks).

Encoding and the packer (ezjscore)

`json_encode`, `node_encode`, `xml_encode`; `ezcss`, `ezcss_load`, `ezcss_require`, `ezcssfiles`, `ezscript`, `ezscript_load`, `ezscript_require`, `ezscriptfiles` (Theme assets, the packer and CSP).

Other kernel operators

`fetch`, `fetch_alias` (fetch functions); `attribute`, `dump` (inspect a value while debugging); `concat`, `indent`; `si` (units); `crc32`, `md5`, `rot13`; `texttoimage`, `imagefile`; `expinfo` (installation and extension information); `ezpreference`; `ezmodule`, `module_params`; `topmenu`, `treemenu`, `content_structure_tree`; `eztoc`, `autolink`, `simpletags`, `alphabet`, `month_overview`, `ezpackage`; `installation_name`, `is_production_system`, `exp_environment`,

`exp_environment_badge`; `csp_nonce` (the Content Security Policy's nonce, for the rare inline script that must stay).

Operators of shipped extensions

Some operators that templates use often come from extensions shipped with the kernel, and exist only when those are active: `ezpagedata`, `ezpagedata_set`, `ezpagedata_append`, `ezkeywordlist` and `ezarchive` (ezwebin and ezdemo), `ezcreateclasslistgroups` (ezwt), `exp_config` (expui), and the ezjscore operators above.

Listing them yourself

The list differs per installation, because extensions add operators. To see yours, render a template with the debug output on and an unknown operator: the error names the operator. Or ask the **Extension point survey** (`/setup/radsurvey`), which lists the operators each active extension registers.

Related pages

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