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# Format of the PHP cache

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Revision 1.7.5

Revision History

2022-07-17

draft

LK

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## 1. L2-cache

Usually, key fields from the YAML-files.

- **abc.php** — Used first letters of the Vendor ID's
- **v??.php** — Vendors info
- **p??.php** — Products info
- **m??.php** — Major versions info
- **s??.php** — Actual search index
- **S??.php** — Old/hidden search index
- **c??.php** — Actual compatibility info
- **C??.php** — Old/hidden compatibility info

## 2. L1-cache

Ready to quick use tables and dictionaries.

- **archdesc.php** — Hardware platforms descriptions
- **distids.php** — dID/ARCH to Distro Dictionary
- **distros.php** — Unsorted Distributives info
- **catids.php** — Sorted Category to gID Dictionary
- **catfull.php** — Sorted by gID full Categories info
- **vendids.php** — vID to Vendor Index Dictionary
- **vendors.php** — Sorted Vendors Names and URL's
- **prodids.php** — vID:pID to Product Index Dictionary
- **products.php** — Sorted Products Names and other info
- **manuals.php** — PDF's CSI-path to MD5 Dictionary
- **csigit.php** — Top-20 CSI git log records
- **recent.php** — Key CSS documents index
- **statinfo.php** — Common statistic counters

## 3. L0-cache

- **comptab-<TABID>.php** — Compatibility Table Cells

## 4. Categories

- **statinfo.php:categories** — Total number of the categories
- **statinfo.php:softgroups** — Software categories number and first hardware category index

Run **bin/catlist.php** script and see output table. The columns:

- **Idx** — Index of array from catids.php
- **Sel** — Index of array from catids.php + 3
- **Min** — Group start index
- **Max** — Group end index

- **Id** — Short ID from catids.php

**Table 1. Fragment example:**

Idx	Sel	Min	Max	Id
6	9	6	8	ПО/Интернет/
7	10	7	7	ПО/Интернет/Браузеры
8	11	8	8	ПО/Интернет/Конференции



Attn: **catfull.php** used same #Idx, ABBR sorted by Short ID!

See also:

- lib/load.php: category2suitable()
- lib/config.php: FCAT\_XXXXIDX constants
- lib/admin/index/categories.php: reindex\_categories()

## 5. abc.php

Sorted list of the used only VendorID first letters, for example:

- **0 = 01** — equal to "1" first letter
- **1 = 10** — equal to "a" first letter
- ...
- **34 = 66** — equal to "Э" first letter
- ...

See also:

- lib/common.php: letter2idx()
- lib/common.php: idx2letter()
- lib/common.php: first\_letter()
- lib/admin/index/invalidate.php

## 6. v??.php

Vendors info: set of the parsed /Vendors/\$vID/vendor.yml.

- **Name** — Calculated Vendor NAME

- **URI** — Required Vendor WEB-site URI
- **List** — Integer List number (0, 1 or 2)
- **Tags** — Tags list (optional array or NULL)
- **Note** — Footnote for the Pivot Compatibility Table (optional)

See also:

- lib/admin/index/vendor.php: update\_vendor\_cache()

## 7. p??.php

Products info: set of the parsed /Vendors/\$vID/\$pID/product.yml.

- **Name** — Calculated Product NAME
- **URI** — Product description WEB-page or ""
- **List** — Integer List number (0, 1 or 2)
- **Tags** — Tags list (array or NULL)
- **Category** — Product category name
- **Suitable** — Suitable: "NoExpand", "Desktop", "Server" or "Universal"
- **Install** — Installation manual URL (wg type 3 only) or ""
- **Manuals** — Product default URL's for tables (optional array)
- **Versions** — Rebuilt versions & releases arrays
- **Footnote** — Footnote for the Pivot Compatibility Table (optional)
- **Hidden** — Do not show in the pivot table (optional, true only)
- **InstPDF** — Installation guides (PDF's, optional array, wg types 5-8)

**Versions example:**

```
'Versions' => array (
  0 => array (
    'v4.3' => 'v4',
  ),
  1 => array (
    'v4' => 'v4',
    'v4.2' => 'v4',
  ),
),
```

**InstPDF example:**

```
'InstPDF' => array (
```

```
0 => '5:8fc4c7ad1f3281a5653ba56e45410c2f',
1 => '6:P10@60fb303e5b604733409c697c2e343158',
2 => '7:x86_64=8fc4c7ad1f3281a5653ba56e45410c2f',
3 => '8:P10@aarch64=60fb303e5b604733409c697c2e343158',
),
```

See also:

- lib/load.php: rebuildVersions()
- lib/admin/index/product.php: update\_product\_cache()

## 8. m??.php

Major versions info: set of the parsed YAML-files /Vendors/\$vID/\$pID/VERS/\$MAJOR/version.yml. All fields is optional.

- **URI** — Major version description WEB-page
- **Hidden** — Do not show in the pivot table (true only)
- **List** — Integer List number (0, 1 or 2)
- **Install** — Installation manual URL (wg type 9 only)
- **Manuals** — Product version URL's for tables (optional array)
- **Tags** — Tags list (array)
- **Footnote** — Footnote for the Pivot Compatibility Table (optional)
- **InstPDF** — Installation guides (PDF's, optional array, wg type "B" & "C")

**InstPDF example:**

```
'InstPDF' => array (
  0 => 'B:8fc4c7ad1f3281a5653ba56e45410c2f',
  1 => 'C:P10@60fb303e5b604733409c697c2e343158',
),
```

See also:

- lib/admin/index/version.php: update\_version\_cache()
- lib/admin/index/majorver.php: check\_majorver\_cache()

## 9. c??.php, C??.php

Compatibility info records: set of the parsed YAML-files /Vendors/\$vID/\$pID/CI/\$cID.yml.

- **vID** — Vendor ID
- **pID** — Product ID

- **cID** — Compatibility info record ID, in the form <YYMMDDNN>
- **start** — PHP timestamp of the action start, it similar to cID
- **finish** — PHP timestamp of the action finish or NULL
- **certID** — Certificate ID, in the form <YYYYMMDD-NN>
- **type** — Record type ("INFO", "NO", "YES" or "CERT")
- **vers** — Rebuilt versions & releases arrays
- **state** — CI record status or NULL (optional)
- **brief** — CI record brief description (optional)
- **hide** — Hide this certificate or compatibility in the table
- **notes** — Footnote for the Pivot Compatibility Table (optional)
- **pgrp** — Product category name
- **list** — Integer List number (0, 1 or 2)
- **check** — Who is check: "We", "They" or "All"
- **suite** — Suitable: "NoExpand", "Desktop", "Server" or "Universal"
- **dist** — DistroID/arch list (array)
- **prods** — Product IDs by Vendor IDs (array or NULL)
- **tags** — Tags list (array or NULL)
- **arch** — Hardware platforms list (array)

See also:

- lib/admin/index/compinfo.php: update\_cmpinfo\_cache()

## 10. s???.php, S???.php

Lower-cased string lists for full-text search (FTS).

## 11. archdesc.php

Hardware platforms descriptions.

- **Brief** — Brief description of the platform
- **Complexes** — Samples URL's (optional array)
- **Links** — Article URL's (optional array)

- **Caption** — Compatibility Matrix Caption

See also:

- lib/admin/index/platforms.php: `reindex_platforms()`

## 12. distros.php

Registered distributive images.

- **0** — Distro full name for work table
- **1** — Brief description or NULL
- **2** — Publish date (string)
- **3** — Hardware platform name
- **4** — Deprecated flag (true or false)
- **5** — Compatibility Matrix Column Label or NULL

See also:

- lib/config.php: `DIST_XXXXIDX` constants
- lib/admin/index/distros.php: `reindex_distros()`

## 13. catfull.php

- **0** — Short ID for entry.php form
- **1** — Long name for the Pivot Compatibility Table
- **2** — Suitable: "NoExpand", "Desktop", "Server" or "Universal"
- **3** — Is this category disabled for the reference? (bool)
- **4** — Platform-specific defaults (optional array)

See also:

- lib/load.php: `category2suitable()`
- lib/config.php: `FCAT_XXXXIDX` constants
- lib/admin/index/categories.php: `reindex_categories()`

## 14. vendors.php

All Vendors, sorted by InQuotes-name.

- **0** — Displayed name
- **1** — Vendor WEB-site URI
- **2** — Footnote for the Pivot Compatibility Table (optional)

See also:

- lib/config.php: VEND\_XXXXIDX constants
- lib/admin/index/vendtab.php: reindex\_vendors\_table()

## 15. products.php

All Products, sorted by InQuotes-name.

- **0** — Index of VendorIds[]
- **1** — Index of Categories[]
- **2** — Displayed name
- **3** — Product WEB-page URL or ""
- **4** — Suitable property [1...4]
- **5** — Manual in form 3:URL or 5:MD5 or ""
- **6** — Footnote for the Pivot Compatibility Table (optional)

See also:

- lib/config.php: PROD\_XXXXIDX constants
- lib/admin/index/prodtab.php: reindex\_products\_table()

## 16. comptab.php

Cells list for the Pivot Compatibility Table (array of the indexes).

- **0** — Index of hardcoded \$distro\_cols[]
- **1** — Index of hardcoded \$hw\_platforms[]
- **2** — Index of VendorIds[]
- **3** — Index of ProductIds[]
- **4** — Major version (string) or ""
- **5** — CI-record ID (in YYMMDDNN form)
- **6** — CertLink (in YYYYMMDD-NN form) or -1 for compatibility



- **7** — Suitable property value [1...4]
- **8** — Manual in wg:URL or wg:MD5 form (optional)
- **9** — Footnote for the Pivot Compatibility Table (optional)

See also:

- lib/config.php: CTAB\_XXXXIDX constants and global arrays
- lib/admin/index/comptab.php: `reindex_compatibility()`

## 17. Manual types

This is a wg code's (priorities), bigger value is preferred. inst.ref can be used instead inst.pdf and points to the common manuals directories.

- **0** — No manual
- **1** — Category default URL (/Categories/.../category.yml:ArchDefs:\$ARCH:Install)
- **2** — Category default URL for table (/Categories/.../category.yml:ArchDefs:\$ARCH:Manuals:\$TABID)
- **3** — Product default URL (/Vendors/\$vID/\$pID/product.yml:Install)
- **4** — Product default URL for table (/Vendors/\$vID/\$pID/product.yml:Manuals:\$TABID)
- **5** — Product default PDF (/Vendors/\$vID/\$pID/ARCH/ALL/inst.pdf)
- **6** — Product PDF for table (/Vendors/\$vID/\$pID/ARCH/ALL/inst.\$TABID.pdf)
- **7** — Platform-specific PDF (/Vendors/\$vID/\$pID/ARCH/\$ARCH/inst.pdf)
- **8** — Platform-specific PDF for table (/Vendors/\$vID/\$pID/ARCH/\$ARCH/inst.\$TABID.pdf)
- **9** — Product version URL (/Vendors/\$vID/\$pID/VERS/\$MAJOR/version.yml:Install)
- **A** — Product version URL for table (/Vendors/\$vID/\$pID/VERS/\$MAJOR/version.yml:Manuals:\$TABID)
- **B** — Product version PDF (/Vendors/\$vID/\$pID/VERS/\$MAJOR/inst.pdf)
- **C** — Product version PDF for table (/Vendors/\$vID/\$pID/VERS/\$MAJOR/inst.\$TABID.pdf)

See also:

- bin/mkcsv.php: `$docref` in the main loop and `output_product()`

## 18. Suites

- **1** — Universal

- **2** — Desktop
- **3** — Server
- **4** — NoExpand

See also:

- lib/config.php: SUITES\_xxxx constants and \$SUITES global array
- lib/admin/index/prodtab.php: reindex\_products\_table()
- lib/admin/index/comptab.php: reindex\_compatibility()