



HOUSEKEEPING

Documentation

Adriano Fabri
afabri@gmail.com

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The Project

The FALM Housekeeping is a collection of tools to cleanup Umbraco. The new version of our tool works in a custom section and it has been completely re-written to take all advantages of AngularJS

In our section, you can find the following tools:

- **Umbraco Logs Manager**
 - You can view and delete the Umbraco Logs events (DB)
 - You can view the Trace Log (this new function is a simplified version of [Diplo Trace Log Viewer project](#))
- **Media Folder Manager**
 - You can cleanup the “/media” folder (filesystem) from orphans (in other words, all that folders which have no entry in the Umbraco DB)
- **Delete Users Manager**
 - You can remove all Umbraco users (except the admin user)
- **Version Manager**
 - You can view and cleanup the versions history that Umbraco maintains for each content node
- **Recycle Bins Manager**
 - You can cleanup Content and Media Recycle Bins and create a service page to auto clean both Recycle Bins. This page can be used with a scheduler (for example I use “Url Task Scheduler For V7”) to be able to schedule automatic cleaning of Recycle Bins

ATTENTION! To view the new FALM section you must enable it for all users that can use this tool

For Umbraco until v7.6.12

Users – User – Add “F.A.L.M.” section

The screenshot shows the Umbraco user management interface. On the left, the 'Users' menu is expanded, and the 'Admin' user is selected. The main area displays the user's details and settings. Under the 'Sections' section, a list of checkboxes is shown, including 'Content', 'Media', 'Settings', 'Developer', 'Users', 'Members', 'Forms', 'Translation', and 'F.A.L.M.'. The 'F.A.L.M.' checkbox is circled in red, and a red arrow points to it from the text 'Select "F.A.L.M." section for all users that can use the tool!'.

For Umbraco v7.7+

Users Section – List of Users

The screenshot shows the Umbraco user management interface for version 7.7 and above. The 'Users' section is selected, and the 'List of Users' view is shown. A red arrow points to the 'Groups' button in the top right corner, which is circled in red. The button is labeled 'Groups' and has a red circle around it.

Users Section – List of Groups

The screenshot shows the 'User management' interface. On the left, a sidebar contains icons for various functions, with 'Users' highlighted. The main area is titled 'User management' and includes a 'Create group' button. Below this, a list of groups is displayed under the heading 'Groups (4)'. The 'Administrators' group is circled in red. A red arrow points to this group with the text 'Select the group to enable the "F.A.L.M." section to be displayed'.

Group	Sections	Content start node	Media start node
Administrators	Content, Media, Settings, Developer, Users, Members, Forms, Merello, FALM	Content root	Media root
Editors	Content, Media, Forms	Content root	Media root
Translators	Translation	Content root	Media root
Writers	Content	Content root	Media root

Users Section – Group page

The screenshot shows the 'Administrators' group page. The 'Assign access' section is visible, listing various sections with 'Remove' buttons. The 'FALM' section is highlighted. A red circle is drawn around the 'Add' button, and a red arrow points to it with the text 'Click on the "Add" button to add the "F.A.L.M." section'.

Section	Remove
Content	Remove
Media	Remove
Settings	Remove
Developer	Remove
Users	Remove
Members	Remove
Forms	Remove
Merello	Remove
FALM	Remove

Users Section – Group – Add “F.A.L.M.” section

The screenshot shows the Umbraco Users section interface. On the left is a sidebar with navigation icons. The main area is titled 'Administrators' and has a search bar. Below the search bar is a tab labeled 'Assign access'. Under this tab, there is a 'Sections' list with the following items: Content, Media, Settings, Developer, Users, Members, Forms, Merello, and FALM. The 'FALM' section is highlighted with a red circle. To the right of the 'FALM' section, there is a red arrow pointing to it from a red text box that says 'Select "F.A.L.M." section for all users groups that can use the tool'. At the bottom right of the interface, there are 'Cancel' and 'Submit' buttons.

The Package

The New Section with Dashboard

The screenshot shows the Umbraco FALM section interface. On the left is a sidebar with navigation icons. The main area is titled 'FALM' and has a tab labeled 'Dashboard'. Below the tab, there is a 'Housekeeping' section with a list of tasks: Umbraco Logs Manager, Media Folder Manager, Delete Users Manager, and Versions Manager. Below this is a 'Latest Changes' section with a list of updates, and a 'Version History' section with a list of versions.

The Logs Manager (DB)

Type to search...

Menu

- Log
 - DB events
 - Trace Log
 - Media
 - Users
 - Versions

F.A.L.M. Housekeeping

Umbraco Logs Manager (DB)

With this tool you can manage Umbraco DB log events.

DB Log contains 180 events

Items per page: 10

ID	Type	Date	Username	Nodeid	Node name	Description
180	Save	08/01/2018 15:19:00	Admin	-1	SYSTEM DATA: umbraco...	Save ContentTypes performed by user
179	PackageInstall	08/01/2018 15:18:49	Admin	-1	SYSTEM DATA: umbraco...	Package 'F.A.L.M. Housekeeping' installed. Package guid: efb2af1...
178	PackageUninstall	08/01/2018 15:11:52	Admin	-1	SYSTEM DATA: umbraco...	Package 'F.A.L.M. Housekeeping' uninstalled. Package guid: b6c3...
177	Save	04/01/2018 18:00:39	Admin	-1	SYSTEM DATA: umbraco...	Save ContentTypes performed by user
176	PackageInstall	04/01/2018 18:00:26	Admin	-1	SYSTEM DATA: umbraco...	Package 'F.A.L.M. Housekeeping' installed. Package guid: b6c35f...
175	Save	14/12/2017 19:38:46	Admin	1149	Page Return	Save Template performed by user
174	Save	14/12/2017 19:38:41	Admin	1149	Page Return	Save Template performed by user
173	Save	14/12/2017 19:37:52	Admin	1149	Page Return	Save Template performed by user
172	Save	14/12/2017 19:37:26	Admin	1149	Page Return	Save Template performed by user
171	Save	14/12/2017 19:36:45	Admin	1149	Page Return	Save Template performed by user

Page 1 of 18

Checkup Logs older than 6 months Delete Logs

Reload

Type to search...

Menu

- Log
 - DB events
 - Trace Log
 - Media
 - Users
 - Versions

F.A.L.M. Housekeeping

Umbraco Logs Manager (DB)

With this tool you can manage Umbraco DB log events.

DB Log contains 180 events

Items per page: 10

ID	Type	Date	Username	Nodeid	Node name	Description
180	Save	08/01/2018 15:19:00	Admin	-1	SYSTEM DATA: umbraco...	Save ContentTypes performed by user
179	PackageInstall	08/01/2018 15:18:49	Admin	-1	SYSTEM DATA: umbraco...	Package 'F.A.L.M. Housekeeping' installed.
178	PackageUninstall	08/01/2018 15:11:52	Admin	-1	SYSTEM DATA: umbraco...	Package 'F.A.L.M. Housekeeping' uninstalle
177	Save	04/01/2018 18:00:39	Admin	-1	SYSTEM DATA: umbraco...	Save ContentTypes performed by user
176	PackageInstall	04/01/2018 18:00:26	Admin	-1	SYSTEM DATA: umbraco...	Package 'F.A.L.M. Housekeeping' installed.
175	Save	14/12/2017 19:38:46	Admin	1149	Page Return	Save Template performed by user
174	Save	14/12/2017 19:38:41	Admin	1149	Page Return	Save Template performed by user
173	Save	14/12/2017 19:37:52	Admin	1149	Page Return	Save Template performed by user
172	Save	14/12/2017 19:37:26	Admin	1149	Page Return	Save Template performed by user
171	Save	14/12/2017 19:36:45	Admin	1149	Page Return	Save Template performed by user

Event details (Id: 180)

EventSave

Date08 January 2018

Hour15:19:00

UserAdmin

Node Id-1

Node NameSYSTEM DATA: umbraco master root

Description:Save ContentTypes performed by user

Close

The Logs Manager (Trace Log)

Type to search...

Menu

- Log
- DB events
- Trace Log

Today

- 2018-01-08
- 2018-01-05
- 2018-01-04
- 2017-12-15
- 2017-12-14
- 2017-12-13
- 2017-11-10
- 2017-11-09
- 2017-09-26
- 2017-09-25

Media

Users

Versions

F.A.L.M. Housekeeping

Umbraco Logs Manager (TraceLog)

With this tool you can view the Umbraco Trace Logs events

Trace Log "UmbracoTraceLog.BA-FABRI.txt" contains 15 events

Type to search...

Items per page: 10

Date	Type	Process	Domain	Thread	Logger	Detail
15:50:36	INFO	2464	38	1271	Umbraco.Core.Security.BackOfficeSignInManager	Event Id: 0, state: Login attempt succeeded for username Admin from IP address 1...
15:50:36	INFO	2464	38	1271	Umbraco.Core.Security.BackOfficeSignInManager	Event Id: 0, state: User: Admin logged in from IP address 127.0.0.1...
15:44:50	INFO	2464	38	1307	Umbraco.Core.Logging.OwinLogger	Event Id: 0, state: User logged will be logged out due to timeout: Admin, IP Add...
15:12:52	INFO	2464	38	1298	Umbraco.Core.Security.BackOfficeSignInManager	Event Id: 0, state: Login attempt succeeded for username Admin from IP address 1...
15:12:52	INFO	2464	38	1298	Umbraco.Core.Security.BackOfficeSignInManager	Event Id: 0, state: User: Admin logged in from IP address 127.0.0.1...
11:59:51	INFO	2464	38	760	umbraco.BusinessLogic.Log	Log scrubbed. Removed all items older than 2018-01-08 11:59:51...
08:58:36	INFO	2464	38	405	Umbraco.Core.PluginManager	Resolving umbraco.interfaces.IDiscoverable
08:58:36	INFO	2464	38	405	Umbraco.Core.PluginManager	Resolved umbraco.interfaces.IDiscoverable (book 0ms)
08:58:36	INFO	2464	38	405	Umbraco.Core.PluginManager	Resolving Umbraco.Web.HealthCheck.HealthCheck
08:58:36	INFO	2464	38	405	Umbraco.Core.PluginManager	Resolved Umbraco.Web.HealthCheck.HealthCheck (book 13ms)

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Page 1 of 2

Reload

Type to search...

Menu

- Log
- DB events
- Trace Log

Today

- 2018-01-08
- 2018-01-05
- 2018-01-04
- 2017-12-15
- 2017-12-14
- 2017-12-13
- 2017-11-10
- 2017-11-09
- 2017-09-26
- 2017-09-25

Media

Users

Versions

F.A.L.M. Housekeeping

Umbraco Logs Manager (TraceLog)

With this tool you can view the Umbraco Trace Logs events

Trace Log "UmbracoTraceLog.BA-FABRI.txt" contains 15 events

Type to search...

Items per page: 10

Date	Type	Process	Domain	Thread	Logger	Detail
15:59:50	INFO	2464	38	1307	umbraco.BusinessLogic.Log	Log scrubbed. Removed all items older
15:50:36	INFO	2464	38	1271	Umbraco.Core.Security.BackOfficeSignInManager	Event Id: 0, state: Login attempt succee
15:50:36	INFO	2464	38	1271	Umbraco.Core.Security.BackOfficeSignInManager	Event Id: 0, state: User: Admin logged i
15:44:50	INFO	2464	38	1307	Umbraco.Core.Logging.OwinLogger	Event Id: 0, state: User logged will be k
15:12:52	INFO	2464	38	1298	Umbraco.Core.Security.BackOfficeSignInManager	Event Id: 0, state: Login attempt succee
15:12:52	INFO	2464	38	1298	Umbraco.Core.Security.BackOfficeSignInManager	Event Id: 0, state: User: Admin logged i
11:59:51	INFO	2464	38	760	umbraco.BusinessLogic.Log	Log scrubbed. Removed all items older
08:58:36	INFO	2464	38	405	Umbraco.Core.PluginManager	Resolving umbraco.interfaces.IDiscover
08:58:36	INFO	2464	38	405	Umbraco.Core.PluginManager	Resolved umbraco.interfaces.IDiscover
08:58:36	INFO	2464	38	405	Umbraco.Core.PluginManager	Resolving Umbraco.Web.HealthCheck.

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Event details

Event

INFO

Date

09 January 2018

Hour

15:59:50

Process

2464

Domain

38

Thread

1307

Logger

umbraco.BusinessLogic.Log

Description:

Log scrubbed. Removed all items older than 2018-01-08 15:59:50

Close

The Media Folder Management (File System)

⌕

Type to search...

Menu

Log

Media

File System cleanup

Users

Versions

F.A.L.M. Housekeeping

Media Folder Management (File System)

With this tool you can delete file system folders under '/media' which have no entry in the DB (orphans).

File System Cleanup

No orphans to delete

Restart search

⌕

Type to search...

Menu

Log

Media

File System cleanup

Users

Versions

F.A.L.M. Housekeeping

Media Folder Management (File System)

With this tool you can delete file system folders under '/media' which have no entry in the DB (orphans).

Informations

The following folders will not be deleted

Entry	Details
/media/created-packages	The folder name is not standard (number)

File System Cleanup

The following folders can be deleted

Entry	Details
/media/0000	The folder contains 1 object/s

Delete all orphans

Restart search

The Users Manager

Type to search...

Menu

- Log
- Media
- Users
 - Cleanup users
- Versions

F.A.L.M. Housekeeping

Users Manager - Cleanup

With this tool you can delete one or more users

Users

The following users can be deleted

	Id	Name	Username	Email	User type
<input checked="" type="checkbox"/>	8	Test	test@testL.com	test@testL.com	Writer

Delete selected users

Reload

The Versions Manager

Type to search...

Menu

- Log
- Media
- Users
- Versions
 - Versions manager

F.A.L.M. Housekeeping

Umbraco Versions Manager

With this tool you can manage the Umbraco history versions.

Versions

Filter by Node Id

Filter by Node Name

Items per page: 10

Node Id	Node name	Published version	Other Versions
1129	OPBG	14/12/2017 13:31:50	2
1130	Catalog	13/12/2017 17:26:22	1
1131	Basket	13/12/2017 17:26:07	1
1132	Account	13/12/2017 17:26:01	1
1133	Checkout	13/12/2017 17:25:44	1
1134	Forgot Password	13/12/2017 17:25:28	1
1135	Login	13/12/2017 17:25:17	1
1136	Receipt	13/12/2017 17:24:50	1
1137	Disegni (F)	13/12/2017 17:26:16	2
1138	Product	13/12/2017 17:25:05	3

Page 1 of 2

Cleanup all VersionsCleanup versions by count

Restart search

Type to search...

Menu

- Log
- Media
- Users
- Versions
 - Versions manager

F.A.L.M. Housekeeping

Umbraco Versions Manager

With this tool you can manage the Umbraco history versions.

Versions

Filter by Node Id

Filter by Node Name

Node Id	Node name	Published version	Other Versions
1129	OPBG	14/12/2017 13:31:50	2
1130	Catalog	13/12/2017 17:26:22	1
1131	Basket	13/12/2017 17:26:07	1
1132	Account	13/12/2017 17:26:01	1
1133	Checkout	13/12/2017 17:25:44	1
1134	Forgot Password	13/12/2017 17:25:28	1
1135	Login	13/12/2017 17:25:17	1
1136	Receipt	13/12/2017 17:24:50	1
1137	Disegni (F)	13/12/2017 17:26:16	2
1138	Product	13/12/2017 17:25:05	3

Page 1 of 2

Cleanup all VersionsCleanup versions by count

Restart search

Version details (Id: 1129)

Node name

OPBG

Date and Hour of the published version

14 December 2017 13:31:50

User

Admin

Versions list

Date	Published	Newest
14/12/2017 13:31:50	1	1
13/12/2017 16:59:28	0	0
13/12/2017 16:59:10	0	0

Page 1 of 1

Delete all versions of the current nodeClose

Type to search...

Menu

Log

Media

Users

Versions

Versions manager

F.A.L.M. Housekeeping

Umbraco Versions Manager

With this tool you can manage the Umbraco history versions.

Versions

Filter by Node Id

Filter by Node Name

Node Id	Node name	
1129	OPBIG	1
1130	Catalog	1
1131	Basket	1
1132	Account	1
1133	Checkout	1
1134	Forgot Password	1
1135	Login	1
1136	Receipt	1
1137	Disegni (P)	1
1138	Product	1

1

2

Cleanup all Versions

Cleanup versions by count

Restart search

Cleanup by count

With this tool you can cleanup the version history, keeping a given number of versions for each content node.
Please note that Umbraco requires each node to have at least 2 versions (the currently published and the newest). These versions will never be deleted.

Number of versions to keep

0

Cleanup versions

Close

The Recycle Bins Manager

Type to search...

Menu

Log

DB events

Trace Log

Today

2018-03-05

Media

File System cleanup

Users

Cleanup users

Versions

Versions manager

Recycle Bin

Recycle Bins manager

F.A.L.M. Housekeeping

Recycle Bins manager

With this tool you can empty the Content Recycle Bin and the Media Recycle Bin

Informations

The following table shows the total number of items contained in each Recycle Bin

Recycle Bin	Number of items contained
content	0
media	0

Empty CONTENT Recycle Bin

Empty MEDIA Recycle Bin

Empty BOTH Recycle Bins

Reload Page

Create the Service Page

The Cache and TEMP directories Manager

Type to search...

Menu

- Log
- Media
- Users
- Versions
- Recycle Bin
- Cache and Temp
 - App_Data/cache directory Manager
 - App_Data/TEMP directory Manager

FALM. Housekeeping

App_Data/cache directory management (File System)
With this tool you can easily empty the "App_Data/cache" folder (on File System)

App_Data/cache directory content

List of directories and files found on File System

Entry	Type	Dimension
/App_Data/cache/0	directory	4 KB (4032 bytes)
/App_Data/cache/1	directory	32 KB (32929 bytes)
/App_Data/cache/2	directory	22 KB (22344 bytes)
/App_Data/cache/3	directory	12 KB (12314 bytes)
/App_Data/cache/4	directory	26 KB (26681 bytes)
/App_Data/cache/5	directory	20 KB (20680 bytes)
/App_Data/cache/6	directory	23 KB (23607 bytes)
/App_Data/cache/7	directory	13 KB (13426 bytes)
/App_Data/cache/8	directory	10 KB (10340 bytes)
/App_Data/cache/9	directory	10 KB (10340 bytes)
/App_Data/cache/a	directory	783 KB (801511 bytes)
/App_Data/cache/b	directory	774 KB (792139 bytes)
/App_Data/cache/c	directory	30 KB (31020 bytes)
/App_Data/cache/d	directory	36 KB (36946 bytes)
/App_Data/cache/e	directory	2 MB (1596818 bytes)
/App_Data/cache/f	directory	34 KB (34341 bytes)

Empty cache directory

Reload Create the Service Page

Type to search...

Menu

- Log
- Media
- Users
- Versions
- Recycle Bin
- Cache and Temp
 - App_Data/cache directory Manager
 - App_Data/TEMP directory Manager

FALM. Housekeeping

App_Data/TEMP directory management (File System)
With this tool you can easily empty the "App_Data/TEMP" folder (on File System)

App_Data/TEMP directory content

List of directories and files found on File System

Entry	Type	Dimension
/App_Data/TEMP/ClientDependency	directory	1 MB (1244311 bytes)
/App_Data/TEMP/DistCache	directory	8 bytes
/App_Data/TEMP/ExaminedIndexes	directory	588 KB (602304 bytes)
/App_Data/TEMP/FileUploads	directory	407 KB (416981 bytes)
/App_Data/TEMP/Install	directory	0 bytes
/App_Data/TEMP/PluginCache	directory	112 KB (114543 bytes)

Delete selected items

Reload

The Package - Latest Changes

- **v7.7.2.1** - Various Fixes
 - Fix: Resolved issue #48 (GitHub) in Versions manager UI
 - Fix: DBLogs manager UI
- **v7.7.2.0** - New feature and Various Fixes
 - New feature: Cache and TEMP directories Manager
 - Clean "App_Data/cache" and "App_Data/TEMP" directories on File System
 - Possibility to create a Service Page to auto clean "App_Data/cache" directory on File System. This page can be used with a scheduler (for example I use "Url Task Scheduler For V7" <https://our.umbraco.org/projects/backoffice-extensions/url-task-scheduler-for-v7/>) to be able to schedule automatic cleaning of both recycle bins. This action will create 2 FALM DocumentTypes, 1 FALM Template and 2 FALM nodes, simply by clicking a button.
After creation of the Service Page, I recommend to add all FALM nodes and template urls in the robots.txt file to avoid being indexed by search engines
 - Fix: Recycle Bins Cleanup Service Page
- **v7.7.1.0** - New feature and Various Fixes
 - New feature: Recycle Bin Manager
 - Clean Content and Media Recycle Bins
 - Possibility to create a Service Page to auto clean both recycle bins. This page can be used with a scheduler (for example I use "Url Task Scheduler For V7" <https://our.umbraco.org/projects/backoffice-extensions/url-task-scheduler-for-v7/>) to be able to schedule automatic cleaning of both recycle bins. This action will create 2 FALM DocumentTypes, 1 FALM Template and 2 FALM nodes, simply by clicking a button.
After creation of the Service Page, I recommend to add all FALM nodes and template urls in the robots.txt file to avoid being indexed by search engines
 - Fix: Resolved issue #45 (GitHub) with bootstrap-datapicker. Removed reference and files from package because the stile affected Umbraco core datepicker
 - Fix: Updated UI
 - Fix: Updated User Manager
- **v7.7.0.2** – Fix: Versions Manager now works with SQLCE
- **v7.7.0.1** – Bug: Resolved issue #43 (GitHub) in Versions Manager

- **v7.7.0.0** - Various Fixes
 - Bug: Resolved issue #40 (GitHub) in Users manager
 - Fix: Updated Versions manager UI
 - Fix: Updated TraceLogs manager UI
 - Bug: Resolved issue #41 (GitHub) in Media manager (Thank you to TFAstudio for the support)
 - Fix: Updated Media manager UI
- **v7.6.0.9** - Minor Fixes
- **v7.6.0.8** - Fix: highlighting selected node + Update transaltions
- **v7.6.0.7** - Fix: removed control and installation of FALM key in core language files. Thanks to Bjarne Fyrstenborg for the support
- **v7.6.0.6** - Some UI Fixes. Many thanks to Bjarne Fyrstenborg for the support
- **v7.6.0.3** - Updated naming to prevent conflicts
- **v7.6.0.2** - Updated NuGet Package
- **v7.6.0.1** - Minor fixes
- **v7.6.0.0** - New version: totally rewrite using AngularJS and now in a Custom Section. Fixed SQLCE compatibility (Not yet for Versions manager)
- **v7.0.0.1** - Bug Fix: Resolved Error 404 when click all main headers (Logs, Media, Users, Versions) and resolved conflict in Users Manager

The Package - Versions History

- **v7.7.2.1** - For Umbraco v7.7+
- **v7.7.2.1_for_Umbraco_v7_6_13** - For Umbraco v7.6.0 to v7.6.13
- **v7.6.0.3** - For Umbraco until v7.5.14
- **v7.0.0.1** - For Umbraco v7+
- **v6.1.3.0** - For Umbraco v6 to v7.2
- **v4.11.0.2** - For Umbraco v4.8 to v4.11
- **v4.5.0.1** - For Umbraco v4.5 to v4.7.2
- **v1.1.0.0** - For Umbraco v3 to v4.0

The Package – Correspondence between Versions and Source Code

FALM HK Version	Umbraco Versions	Branch	Commit	Link
v7.7.2.1	v7.7+ v7.8+ v7.9+ v7.10+	master	b324ac76a2d683653e37d4260ea44ddc7b794ab8	View on GitHub
v7.7.2.1_for_Umbraco_v7_6_13		This version is only compatible with Umbraco v7.6.0 to v7.6.13 No Commit on Github		
v7.7.2.0	v7.6+ v7.7+ v7.8+ v7.9+ v7.10+	master	c1c2df8c807c9eb225b01f149647f56a2395c669	View on GitHub
v7.7.1.0	v7.6+ v7.7+ v7.8+ v7.9+	master	c6a051f1c3ac122b98adce85d4f32527b11055422	View on GitHub
v7.7.0.2	v7.6+ v7.7+	master	4afbc3e4c2812fdcd5dd98c14910117475bed8aa	View on GitHub
v7.7.0.1	v7.6+ v7.7+	master	95054e0148ce50fe2a5f4e7ed8b3ce7168f7d5de	View on GitHub
v7.7.0.0	v7.6+ v7.7+	master	1cf1ca85f9bed2bf03f3e2f20eec77dfd687914f	View on GitHub
v7.6.0.3	until v7.5.14	master	d356dabd23059bec5a54796a3529b5a6fd04870b	View on GitHub
v7.0.0.1	v7.2+	master	8c51f43e48ba8eabc4fee010dc258efb465ca0a2	View on GitHub
v6.1.3.0	v6 to v7.2	master	78239c85d0bbdf444d87e1732140b9fa179b5683	View on GitHub
v4.11.0.2	v4.8 to v4.11	master	88c8ebfc606e4f409ebd4a33453e40f19be5b3d5	View on GitHub
v4.5.0.1	v4.5 to v4.7.2	master	917263f7e3640eebe78872527980454a940fcfba	View on GitHub
v1.1.0.0	v3 to v4.0	master	49f2afd8a5a0a787575f22180d38830b326e06e7	View on GitHub