

Getting started with uMunge

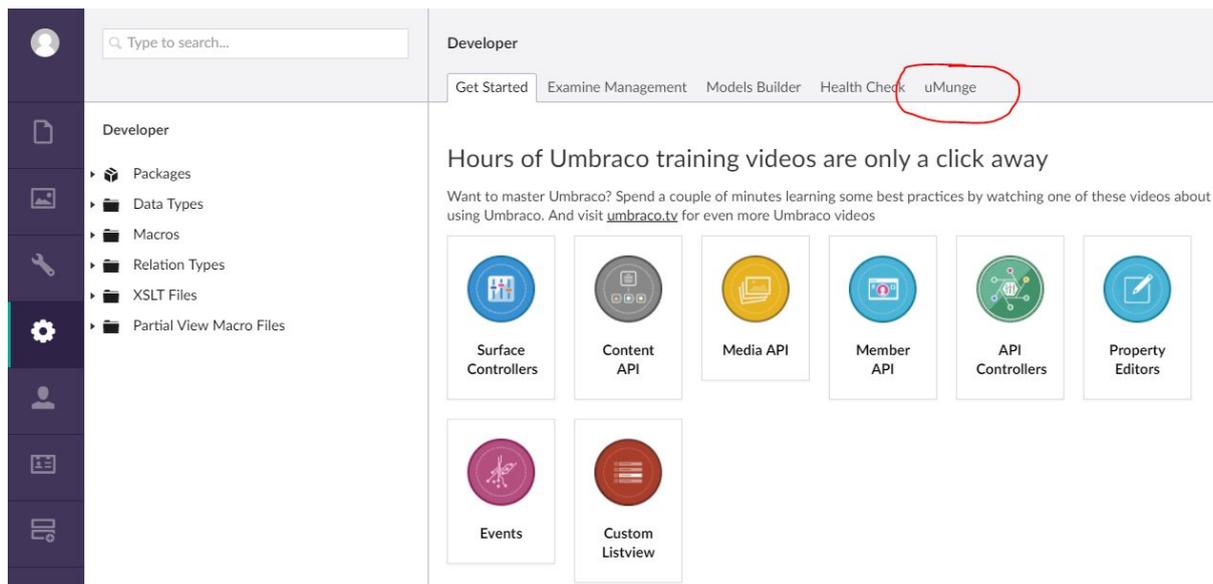
Welcome to uMunge!

In this guide we go through using uMunge for the first time, including setting up, basic configuration and the audit history. As an example we will anonymise the data in Member records.

Installation

Install uMunge in the usual way for Umbraco packages. We recommend that it is installed on your *Staging*, *QA* or *Preview* environment. Please see the uMunge introduction for more information about architecture.

After installation, uMunge will be available as a tab in the Umbraco Backoffice in the Developer section.



First use: are you on the right server?

When you go to the uMunge tab for the first time, you will be asked to confirm that you are *not* on your production site. This is because data running on this instance *will* be destroyed or irreversibly changed.

Developer

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uMunge History About



DATA IS AN ASSET. IT SHOULDN'T BE A LIABILITY.

Munge your live Umbraco data to make it safe to work with.
[Find out more at datamunge.io.](https://datamunge.io)

⚠ uMunge is going to muddle up your data.

**You can't undo this, and you should never do this on a live system.
Ever.**

You are currently looking at Umbraco via the web address **http://localhost:31610**.

Is this a production (live) environment?

Yes **No** Maybe

Options

Once you have confirmed that you're not about to destroy your company's live data, you can start looking at what uMunge can do for you.

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Select which elements of your Umbraco installation should be munged:

 Content	<input checked="" type="checkbox"/> Munge website content
	<input checked="" type="checkbox"/> Delete version history of munged content
	<input checked="" type="checkbox"/> Include unpublished and recycled content
	<input checked="" type="checkbox"/> Republish site after munging

 Media	<input checked="" type="checkbox"/> Anonymise filenames (may cause missing images)
--	--

 Users	<input type="checkbox"/> Munge name, username and email. (Configure methods under advanced rules)
---	---

 Members	<input checked="" type="checkbox"/> Munge names and fields
--	--

 Database	<input checked="" type="checkbox"/> Truncate database log
---	---

The Options tab gives an overview of what uMunge can change, as well as being a convenient place to turn munging on or off for whole classes of data.

Rules

The Rules tab is where the interesting configuration happens. Each field in the database will be munged according to the mungers defined here.

Every Member Type and Document Type is listed, along with all the properties defined on that type. The configuration for Users and Media is available in the "Advanced edit" section.

Developer

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Select which munging method to apply to each property of a document type or member.

[Advanced edit](#)

Members

 Member

12 properties

realName		Core.Undecided	
username		Core.Undecided	
email		Core.Undecided	
Membership			
umbracoMemberCom...	Textarea	Core.Undecided	
umbracoMemberFaile...	Label	Core.LeaveMeAlone	
umbracoMemberAppr...	True/false	Core.LeaveMeAlone	
umbracoMemberLocke...	True/false	Core.LeaveMeAlone	
umbracoMemberLastL...	Label	Core.LeaveMeAlone	
umbracoMemberLastL...	Label	Core.LeaveMeAlone	
umbracoMemberLastP...	Label	Core.LeaveMeAlone	

Document Types

 home

1 item, 16 properties

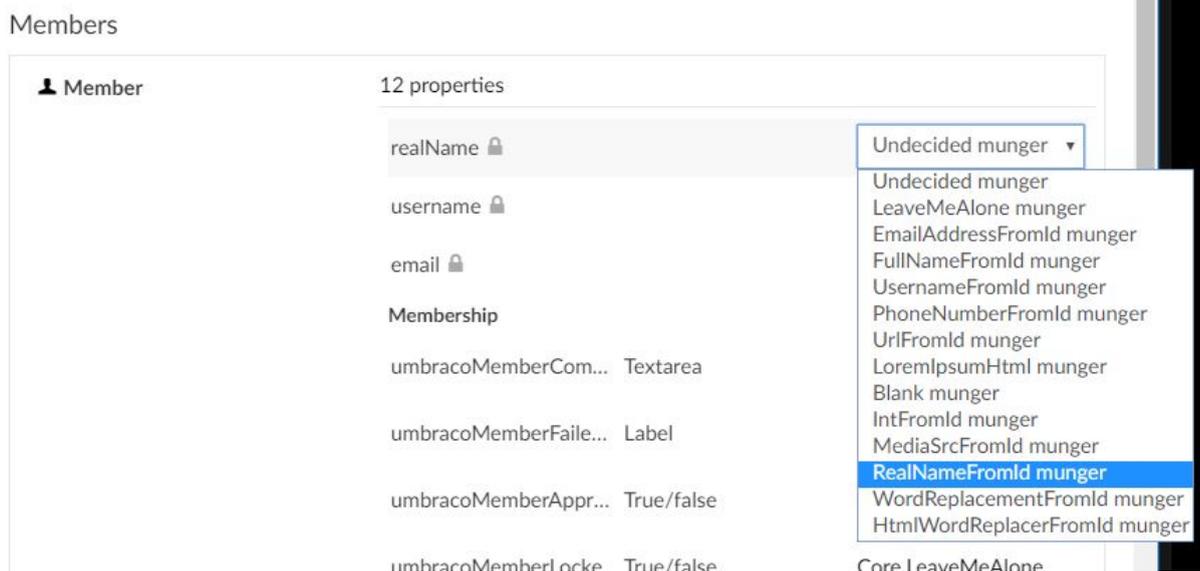
nodeName		Core.Undecided	
Content			
bodyText	Home - Content - Grid...	Core.Undecided	
Design			
sitename	Textstring	Core.Undecided	
SiteLogo	Home - Design - Medi...	Core.Undecided	
HeroBackgroundImage	Home - Design - Medi...	Core.Undecided	
colorTheme	Home - Color Theme - ...	Core.Undecided	

Let's set up the built-in Member type for munging. uMunge knows that certain fields won't contain personal data, such as umbracoMemberLockedOut, so has set these already to LeaveMeAlone, which doesn't change the data at all.

The interesting fields are realName, username, email and umbracoMemberComments. uMunge has marked these as "Undecided", with a warning icon to indicate that you should think about whether these need munging.

Clicking on Core.Undecided next to realName will produce a drop-down from which you can select the most appropriate munger. uMunge ships with a basic set of mungers for standard types of data. Future versions will expand on this and also allow custom mungers to be included.

Members

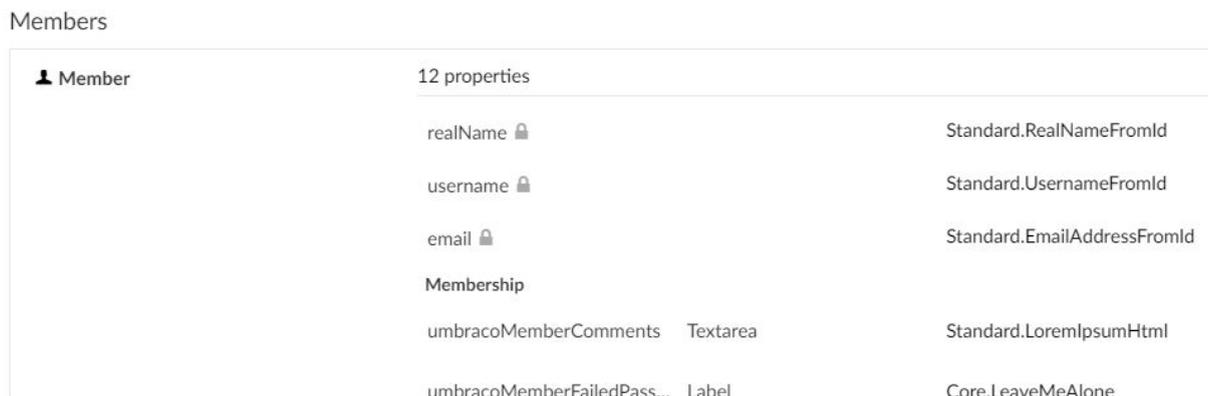


Property Name	Type	Munger
realName	Text	Undecided munger
username	Text	Undecided munger
email	Text	Undecided munger
Membership		
umbracoMemberComments	Textarea	Core.LoveMeAlone
umbracoMemberFailedPassword	Label	Core.LoveMeAlone
umbracoMemberApproved	True/false	Core.LoveMeAlone
umbracoMemberLockedOut	True/false	Core.LoveMeAlone

A good value for a person's name field is the "Real Name" munger. Descriptions for all the mungers can be found in accompanying documentation.

Set up the simple username and email mungers, and set umbracoMemberComments to LoremIpsumHtml. It is possible that personal information could be written here, so it's best to replace with lorem ipsum text of a similar length.

Members



Property Name	Type	Munger
realName	Text	Standard.RealNameFromId
username	Text	Standard.UsernameFromId
email	Text	Standard.EmailAddressFromId
Membership		
umbracoMemberComments	Textarea	Standard.LoremIpsumHtml
umbracoMemberFailedPassword	Label	Core.LoveMeAlone

The first munge

Go back to the uMunge tab and Start Munging.

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Start Munging

A side panel appears for you to confirm that you are ready to change and delete data.

Ready to munge?

This process will change the following information in your Umbraco installation:

- Content - based on the selected document types.
- Media - changing filenames will remove personal data references but may cause broken images.
- Members - public users of the site will have personal information removed.
- Database data - remove any temporary storage or log files that may have clues to personal data.

Munging this database will delete information.
There is no undo.

I understand.

Let's munge

Status information appears as munging happens.

Note that only nodes that will be changed by munging appear here, so in this example there are zero Content nodes.

Munging this database will delete information.
There is no undo.

I understand.

Let's munge

Munging Members : 11 of 11

Munging Content node properties : 0 of 0

Munging Media node properties : 0 of 0

Republish steps : 2 of 2

Deleting old Content versions : 0 of 0

Truncating Umbraco log table : 1 of 1

Munging finished

Continue

Finish off by refreshing the Umbraco backoffice in your browser, so that it reloads the new munged data.

The screenshot shows the Umbraco backoffice interface. On the left is a navigation sidebar with a search bar and a menu containing 'Members', 'Member Types', and 'Member Groups'. The 'Members' section is expanded, and the 'Member' item is selected. The main content area displays a table of members with columns for Name, Username, Email, and Last edited. The table contains 11 rows of data, each with a person icon, a name, a username, an email address, and a timestamp. At the bottom of the table is a pagination control with 'Previous', '1', '2', and 'Next' buttons.

Name	Username	Email	Last edited
U Jo Greenfield	user1139	email1139@notreal.c...	2017-09-11 13:53
Pablo Williams	user1140	email1140@notreal.c...	2017-09-11 13:53
Patricia Jones	user1141	email1141@notreal.c...	2017-09-11 13:53
Jerry Turner	user1142	email1142@notreal.c...	2017-09-11 13:53
David Blanchard	user1143	email1143@notreal.c...	2017-09-11 13:53
Jennifer Delvecchio	user1144	email1144@notreal.c...	2017-09-11 13:53
Charles Rafael Clark	user1145	email1145@notreal.c...	2017-09-11 13:53
Aaron Dean	user1146	email1146@notreal.c...	2017-09-11 13:53
John Harrington	user1147	email1147@notreal.c...	2017-09-11 13:53
Krista Souza	user1148	email1148@notreal.c...	2017-09-11 13:53

The Members list should now contain munged data!

Munging history

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Database munging history

☰ Mon 11 Sep 2017, 13:53

☰ Members

11 Member

- RealName : RealNameFromId munger
- Username : UsernameFromId munger
- Email : EmailAddressFromId munger
- umbracoMemberComments : LoremIpsumHtml munger

🐾 uMunge Tasks

- Publishing root node Id: 1094
- Republished all
- Deleting old content versions *Deleting 0*
- Truncated Umbraco Log table

A log of munging actions is stored in the database. This can be viewed from uMunge's History tab.

Where now?

The rules can be configured further, to include Content nodes, for example. It is possible to munge the database multiple times; each run will show in the History.

When the database is fully munged to your satisfaction, a backup of the database can be taken and copied to development machines without the risk of leaking personal information.

The current configuration is stored on your site in JSON format in the file **/config/uMunge.config**. This is also visible by using the Advanced Edit button. If this file is present on a site, then uMunge will use it. This means that it is possible to add it to your source control system and tie it into your development process as desired.

Small print

uMunge is in beta (version 1.0). We would like to improve it in all directions, based on feedback from the community. Please let us know about your particular munging challenges and any way that uMunge could be modified to help you overcome them.

It is limited to smaller databases (500 nodes) and each version will expire three months after it was built. Please contact us via the forums or support@datamunge.io if you need these restrictions lifting.