



It's moving day! Why not make moving data easier?

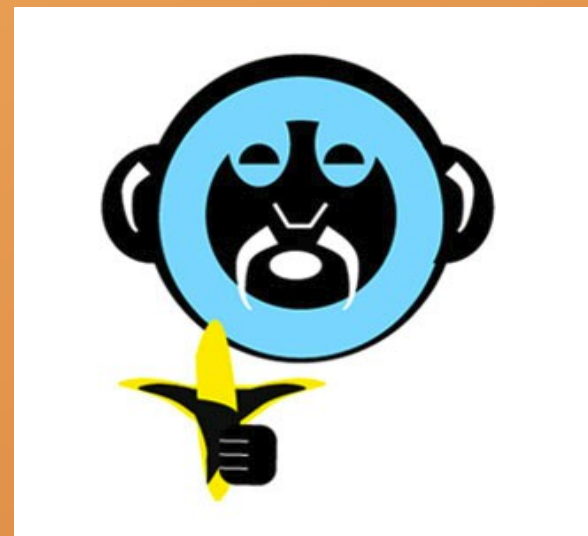
By Renato Francia Castillo

The 1,500 hour mistake

- Story: Save time importing
- Execution
- Tips



Monk-Chu's T-shirt store



Fundwisdom's case



Spire is the only wearable that tracks movement and state of mind throughout the day. By measuring breathing patterns, Spire brings awareness to levels of focus, stress, calm and flow, prompting users to modify behavior in real time to achieve their goals.

Raising Status: **Funded**

Engineering

Healthcare

Country: United States

City: San Francisco

USA state: California

Link to Business: [Spire](#)

Date Listed: 1 year 6 months ago

Platforms Listed On: [AngelList](#)

Date funding ended: 1 year 8 months ago

Capital Type: Equity

Funding:

\$1,400,000.00

100%

Goal: \$1,400,000.00



Let's begin!



It all starts with data

	A	B	C
1	<u>product_sku</u>	product_name	product_price
2	BL_SHIRT	Blue Shirt	15
3	GRN_SHIRT	Green Shirt	15
4	RD_SHIRT	Red Shirt	20



Feeds module

Purpose

- Import
- Aggregate
- nodes, users, taxonomy terms




Getting Started

- Requirements
- Installation
 - Feeds importer
- Create a new importer



Step 1: My first importer

[Home](#) » [Administration](#) » [Structure](#) » [Feeds importers](#)

Shirt Importer 

EDIT

EXPORT

CLONE

DELETE

TAMPER

Basic settings

Attached to: [none]
Periodic import: every 30 min
Import on submission

[Settings](#)

Fetcher

[Change](#)

File upload
Upload content from a local file.

[Settings](#)

Parser

[Change](#)

CSV parser
Parse data in Comma Separated Value format.

[Settings](#)

Processor

[Change](#)

Commerce Product processor
Create and update commerce products.

[Settings](#)

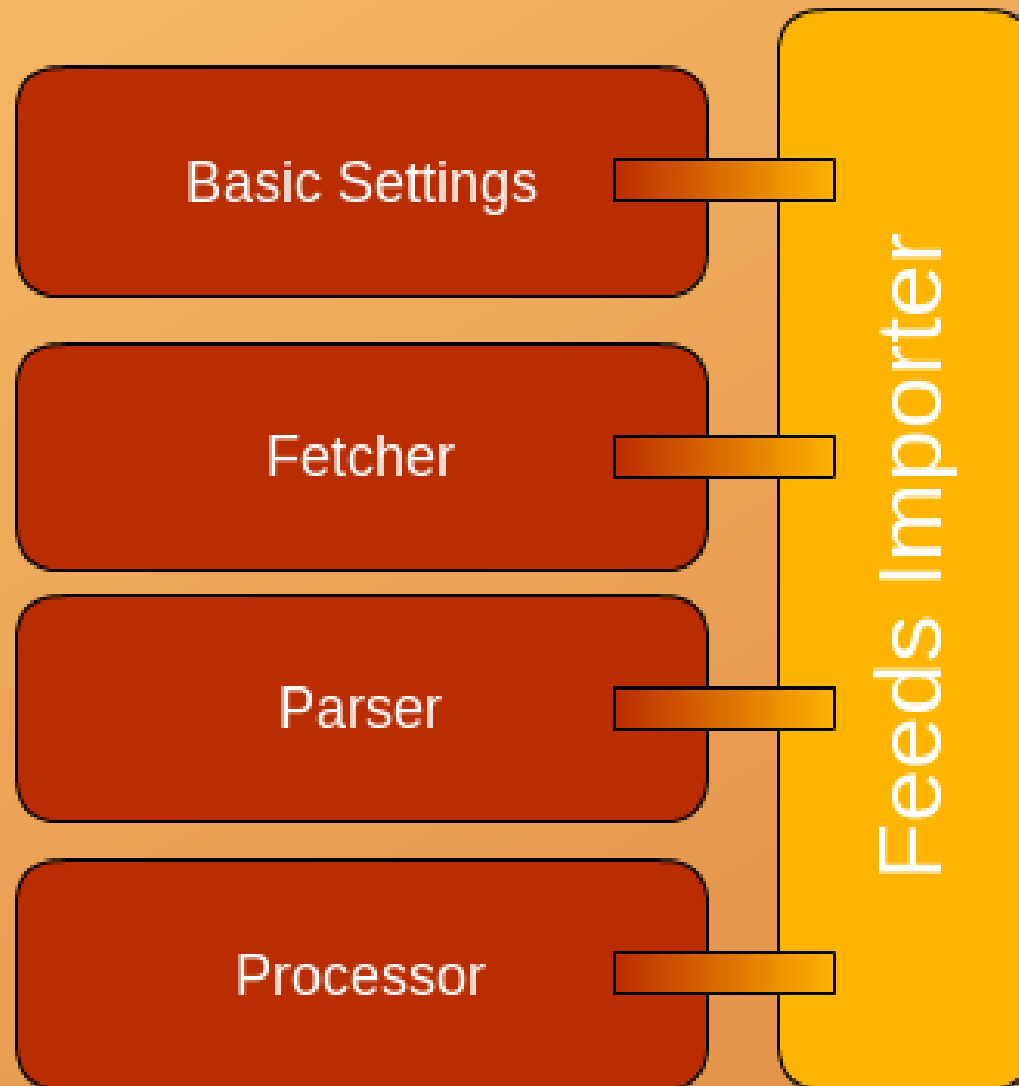
[Mapping](#)

Getting started

You can create as many Feeds importer configurations as you would like to. Each can have a distinct purpose like letting your users aggregate RSS feeds or importing a CSV file for content migration. Here are a couple of things that are important to understand in order to get started with Feeds:

- Every importer configuration consists of basic settings, a fetcher, a parser and a processor and their settings.
- The **basic settings** define the general behavior of the importer. **Fetchers** are responsible for loading data, **parsers** for organizing it and **processors** for "doing stuff" with it, usually storing it.
- In Basic settings, you can **attach an importer configuration to a content type**. This is useful when many imports of a kind should be created, for example in an RSS aggregation scenario. If you don't attach a configuration to a content type, you can use it on the [Import](#) page.
- Imports can be **scheduled periodically** - see the periodic import select box in the Basic settings.
- Processors can have **mappings** in addition to settings. Mappings allow you to define what elements of a data feed should be mapped to what content fields on a granular level. For instance, you can specify that a feed item's author should be mapped to a node's body.

Feeds Importer



Basic Settings

[Help](#)

Basic settings

Attached to: [none]	Settings
Periodic import: every 30 min	
Import on submission	

Fetcher [Change](#)

HTTP Fetcher	Settings
Download content from a URL.	

Parser [Change](#)

Common syndication parser	Settings
Parse RSS and Atom feeds.	

Processor [Change](#)

Node processor	Settings
Create and update nodes.	Mapping

Basic settings

Name *

A human readable name of this importer.

Description

A description of this importer.

Attach to content type

If "Use standalone form" is selected a source is imported by using a form under http://localhost/migrate_example/?q=import. If a content type is selected a source is imported by creating a node of that content type.

Periodic import

Choose how often a source should be imported periodically. [Requires cron to be configured.](#)

☒ Import on submission

Check if import should be started at the moment a standalone form or node form is submitted.

☐ Process in background

For very large imports. If checked, import and delete tasks started from the web UI will be handled by a cron task in the background rather than by the browser. This does not affect periodic imports, they are handled by a cron task in any case. [Requires cron to be configured.](#)

Where I should get the data

- Fetcher:

Core:

- Local (Files), Remote(http)

- Contributed:

- OAuth, Directory, SOAP/WSDL, SQL, import.io, Clients, etc.



Where should I get the data

Select a fetcher

[Help](#)

File upload

Upload content from a local file.

☒ Select

HTTP Fetcher

Download content from a URL.

☐ Select

Save

Fetcher Settings

Settings for File upload

[Help](#)

Allowed file extensions

txt csv tsv xml opml

Allowed file extensions for upload.

☐ Supply path to file or directory directly

For experts. Lets users specify a path to a file or a *directory of files* directly, instead of a file upload through the browser. This is useful when the files that need to be imported are already on the server.

Upload directory *

public://feeds

Directory where uploaded files get stored. Prefix the path with a scheme. Available schemes: public.

Save

How should I read and interpret data

- Parser:
- Core:
 - CSV, Syndication(RSS,Atom)
- Contributed:
 - Xpath, xslt, Flickr, Youtube, Vimeo, Pininterest, Wordpress, Excel,XML, etc..



How should I read and interpret data

Select a parser[Help](#)

Common syndication parser
Parse XML feeds in RSS 1, RSS 2 and Atom format.

☐ Select

CSV parser
Parse data in Comma Separated Value format.

☒ Select

OPML parser
Parse OPML files.

☐ Select

Sitemap parser
Parse Sitemap XML format feeds.

☐ Select

XPath HTML parser
Parse HTML using XPath.

☐ Select

XPath XML parser
Parse XML using XPath.

☐ Select

Save

Parser Settings

Settings for CSV parser

Default delimiter

,

▼

Default field delimiter.

☐ No headers
Check if the imported CSV file does not start with a header row. If checked, mapping sources must be named '0', '1', '2' etc.

Save

What should I do with the data

- Processor:
- Core:
 - Node, Taxonomy, User
- Contributed:
 - Commerce



What should I do with the data

Select a processor

[Help](#)

Commerce Customer Profile processor

Create and update commerce customer profiles from parsed content.

☐ Select

Commerce Product processor

Create and update commerce products from parsed content.

☒ Select

Node processor

Create and update nodes from parsed content.

☐ Select

Taxonomy term processor

Create taxonomy terms from parsed content.

☐ Select

User processor

Create users from parsed content.

☐ SelectSave

What should I do with the data

Settings for Commerce Product processor

Bundle *

Shirt ▼

Update existing commerce products

- ☐ Do not update existing products
- ☒ Update existing products

Existing commerce products will be determined using mappings that are a "unique target".

☐ Skip hash check

Force update of items even if item source data did not change.

Text format *

Plain text ▼

Select the input format for the body field of the nodes to be created.

Product type

Shirt ▼

Select the product type for the products to be created. **Note:** Users with "import shirt_importer feeds" permissions will be able to **import** products of the type selected here regardless of the product level permissions. Further, users with "clear shirt_importer permissions" will be able to **delete** imported products regardless of their product level permissions.

Author

anonymous ○

Select the author of the products to be created - leave empty to assign "anonymous".

Tax rate

None ▼





What should I do with the data

Mapping for Commerce Product processor

[Help](#)

Define which elements of a single item of a feed (= *Sources*) map to which content pieces in Drupal (= *Targets*). Make sure that at least one definition has a *Unique target*. A unique target means that a value for a target can only occur once. E. g. only one item with the URL *http://example.com/content/1* can exist.

[Show row weights](#)

SOURCE	TARGET	TARGET CONFIGURATION	
 product_sku	Product SKU	Used as unique . 	<input type="checkbox"/> Remove
 product_name	Product title		<input type="checkbox"/> Remove
 product_price	Price: Amount		<input type="checkbox"/> Remove
<input type="text"/>	<input type="text" value="- Select a target -"/>		
The name of source field.	The field that stores the data.		

▶ LEGEND

Almost there

Shirt Importer

[Import](#)[Delete items](#)[Log](#)[Unlock](#)

Status

- No imported items.

Import

Import [CSV files](#) with one or more of these columns: product_sku, product_name, product_price.

- Column **product_sku** is mandatory and considered unique: only one item per product_sku value will be created.
- [Download a template](#)

Delimiter

The character that delimits fields in the CSV file.

☐ No Headers

Check if the imported CSV file does not start with a header row. If checked, mapping sources must be named '0', '1', '2' etc.

File

[Choose File](#) No file chosen

Select a file from your local system.


[Import](#)



Success!



Created 3 commerce products.

Products 

LIST

PRODUCT TYPES

[+ Add a product](#)

Filter by SKUs containing

Apply

Reset

SKU ▲	TITLE	TYPE	PRICE	STATUS	OPERATIONS
BL_SHIRT	Blue Shirt	Shirt	\$15.00	Active	edit delete
GRN_SHIRT	Green Shirt	Shirt	\$15.00	Active	edit delete
RD_SHIRT	Red Shirt	Shirt	\$20.00	Active	edit delete

Success!

<input type="checkbox"/>	TITLE	TYPE	AUTHOR	STATUS
<input type="checkbox"/>	Breathez Vac Services new	Company	Anonymous (not verified)	published
<input type="checkbox"/>	Strut new	Company	Anonymous (not verified)	published
<input type="checkbox"/>	UltraWood Products Company Inc. new	Company	Anonymous (not verified)	published
<input type="checkbox"/>	Silicon Solar Solutions new	Company	Anonymous (not verified)	published
<input type="checkbox"/>	Contactually new	Company	Anonymous (not verified)	published
<input type="checkbox"/>	BetterWorld Wireless new	Company	Anonymous (not verified)	published
<input type="checkbox"/>	EXXIZZ FOODS Inc., (dba) DONUTSDATROCK - new	Company	Anonymous (not verified)	published
<input type="checkbox"/>	sendwithus new	Company	Anonymous (not verified)	published
<input type="checkbox"/>	Sprig new	Company	Anonymous (not verified)	published
1 2 3 4 5 6 7 8 9 ... next > last »				

The 1,500 hour reward

- Stories to take home
- Execution to build on
- Tips for right now



Thank You

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Appendix A

- Feeds module
 - <https://www.drupal.org/node/2190315>
 - <https://www.drupal.org/node/2190321>
 - Contributed module list:
 - <https://www.drupal.org/node/856644>
 - The developers guide to Feeds
 - <https://www.drupal.org/node/622700>
- The site builder's guide to Feeds
 - [drupal.org/node/622698](https://www.drupal.org/node/622698)
- Community documentation
 - <http://developmentseed.org/blog/2009/nov/03/good-bye-feedapi-hello-feeds/>

Appendix B

- LevelUptuts+
 - <https://www.youtube.com/watch?v=YXgjFRn7ty4>
- Importing with the Feeds module (Drupal delphia 2012)
 - <https://www.youtube.com/watch?v=DBFncYuZ8k4>
- Drupal Data Migration Made Simple with Feeds
 - prezi.com/g6chbltwdcbx/drupal-data-migration-made-simple-with-feeds