

# The power of Feeds module



# Tons of formats to import



# How we used to do it

- Write a form on a certain path and parse the feed in a function after submitting the form
- Map the items in the feed to nodes, users or store in simply in the database



**“I’m sending you to a seminar to help you work harder and be more productive.”**

# What feeds does

- Periodic import of feeds
- Imports RSS, Atom, OPML, CSV feeds
- Using HTTP or file upload
- Creating nodes, users, terms
- Map values to fields in entities
- Extend Feeds with Youtube, Flickr, XPath, ...

# XPath is powerful



- XPath is a syntax for defining parts of an XML document
- So we can find parts in a XML and map it to fields
- But this also works for HTML, EPUB or any other markup language

# Example of Xpath



```
• <?xml version="1.0" encoding="ISO-8859-1"?>
•
• <bookstore>
•
• <book category="COOKING">
• <title lang="en">Everyday Italian</title>
• <author>Giada De Laurentiis</author>
• <year>2005</year>
• <price>30.00</price>
• </book>
•
• <book category="CHILDREN">
• <title lang="en">Harry Potter</title>
• <author>J K. Rowling</author>
• <year>2005</year>
• <price>24.99</price>
• </book>
•
• </bookstore>
```

- **Select all titles**

- `/bookstore/book/title`

- **Select first title**

- `/bookstore/book[1]/title`

- **Add Logic to it**

- `/bookstore/book[price>25]/price`

# Demo of feeds



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- Importing holidays from a CSV as nodes
- Show me the demo!



# Problems you encounter

- All data you import is tainted.
- Structure in documents can change
- Html markup in the values such as “E&eacute;n van de betere hotels”
- Different character encoding sets (utf-8, iso-8859-1, or something tropical)

# Development



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- Play with the data before processing at `hook_feeds_after_parse`
- Declare a feeds\_plugin with `hook_feeds_plugins()`
- `hook_feeds_parser_sources_alter()`
- `hook_feeds_data_processor_targets_alter()`
- `hook_feeds_node_processor_targets_alter()`
- `hook_feeds_term_processor_targets_alter()`
- `hook_feeds_user_processor_targets_alter()`
- `hook_feeds_after_clear`
- And much more...