



Introducing SQLi Import

2010-09-21



Summary

- Facts
- Specifications
- Main features
- Simplified API
- Demonstration

Facts & Specifications



Facts

- Content import is a recurring task
 - ▶ «One-shot» imports (data transfer)
 - ▶ Content from partners (content providers, affiliate streams...)
 - ▶ Information System harmonization (product catalog, interface with ERP)
- Various formats
 - ▶ XML
 - ▶ CSV
 - ▶ SOAP
- Content management API very powerful but also very complex
 - ▶ Language handling
 - ▶ Versions, sections, object states
 - ▶ Various datatypes
 - ▶ Cache handling
- Performance and Flexibility needs
- Existing extension : data_import
 - ▶ Some very good ideas, but not very flexible
 - ▶ Code getting old



Specifications

- Need of a robust extension
 - ▶ Ability to manage very high quantity of data
 - ▶ Need of a good error handling in order not to block an import chain

- Need of a flexible extension
 - ▶ Must be able to handle all type of data
 - ▶ Easy to configure

- Need of an extension easily exploitable
 - ▶ Running imports monitor
 - ▶ Scheduling recurring imports

- Need of an easy to implement extension
 - ▶ Documentation
 - ▶ Simplified API (avoid bad practices)
 - ▶ Simple interface

SQLi Import : Main features

SQLi Import : Main features

- Import «handlers» management
 - ▶ Each source of data is managed by a handler, written in PHP
 - ▶ PHP Interface for the handler
 - ▶ Various formats management (CSV and XML parsers are provided)
 - ▶ Iteration against all items from the source to import
- Simplified API
- Simple configuration and on-the-fly options
 - ▶ Each handler has a dedicated configuration INI section in *sqliimport.ini*
 - ▶ Capability to add options on-the-fly
- Error handling
 - ▶ If an exception is caught during an iteration, an error is logged and the program goes to the next iteration
- Exploitation via admin interface
 - ▶ Capability to launch «one-shot» imports
 - ▶ Schedule recurring imports
 - ▶ Capability to interrupt a running import, without any risk
 - ▶ Running imports monitor (progression percentage, progression notes)
 - ▶ Users traceability & rights management
 - ▶ Performances (view cache deactivation and DelayedIndexing activation temporarily)

SQLi Import : Simplified API

A background image showing two fencers in white gear and masks, one in the foreground and one in the background, with a large white plus sign overlaid on the left side.

SQLi Import : Simplified API

- eZ Publish API is very powerful but also very complex
 - ▶ Not well known and hardly mastered by developers
 - ▶ Difficult to learn
 - ▶ Bad practices
- Simplified API planned in the future versions of eZ Publish
 - ▶ Matterhorn (4.5)
 - ▶ Needs are real, concrete and immediate
- Let's take the lead !
 - ▶ SQLi Import API is compatible with the concepts presented in june 2010
 - ▶ Compatible with eZ Publish 4.1+
 - ▶ Fully OOP, based on Apache Zeta Components approach

```

$cli->notice( 'Creation of a new "comment" object' );
$options = new SQLIContentOptions( array(
    'class_identifier'    => 'comment',
    'remote_id'          => 'my_ubber_cool_remote_id',
    'language'           => 'fre-FR'
) );
$comment = SQLIContent::create( $options );
$cli->notice( 'Current version : '.$comment->current_version );
$comment->fields->subject = 'Mon super sujet';
$comment->fields->author = 'Moi !';
$comment->fields->message = 'Le commentaire de la mort';

$comment->addTranslation( 'eng-US' );
$comment->fields['eng-US']->subject = 'My great subject';
$comment->fields['eng-US']->author = 'Batman';
$comment->fields['eng-US']->message = 'Death comment';

$comment->addLocation( SQLILocation::fromNodeID( 2 ) );
$comment->addLocation( SQLILocation::fromNodeID( 43 ) );

$publisher = SQLIContentPublisher::getInstance();
$publisher->publish( $comment );

$cli->notice( 'Current version : '.$comment->current_version );

// Loop against locations
foreach( $comment->locations as $nodeID => $location )
{
    $cli->notice( $nodeID.' => '.$location->path_string );
}

```

SQLi Import : Demonstration

Questions ?



- Project page : <http://projects.ez.no/sqlimport>
- My Blog : <http://www.lolart.net/en>
- My company : <http://www.sqli.com>
- Twitter : @jvieilledent
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