# fase4_rdf

Class RDF/RSS Parser

**public class fase4_rdf**

Class RDF/RSS Parser
This class offers methods to parse RDF/RSS Files

Links

| | |
|---|---|
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| Version | 1.5 (2001–11–06) $Revision: 1.39 $ |
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## Public Method Summary

void **fase4_rdf()**

Constructor of our Class

string **parse_RDF(string $rdf)**

This Method starts the parsing of the specified RDF File. The File can be a local or a remote File.

string **finish()**

This Method is called when all parsing is finished to use the garbage collection

string **use_dynamic_display(string $bool)**

With this method you can decide whether to use the normal cache and dynamic display Options or to use a static cache.

boolean **set_refresh(int $seconds)**

This Methods allows you to set the Refresh Time

boolean **set_max_item(int $int)**

This Methods allows you to set the No. of <item>s to display

boolean **set_CacheDir(string $dir)**

This Methods allows you to set the Cache Directory

array **get_array_channel()**

This Method returns the data from the <channel /> paragraph.

array **get_array_item()**

This Method returns the data from each <item /> paragraph.

array **get_array_textinput()**

This Method returns the data from <textinput />.

array

**get_array_image()**

This Method returns the data from <image />.

void **set_Options([ string $options ])**

This Method allows you to choose if specific Parameters are displayed or not. These are:

void **set_table_width([ integer $width ])**

This Method allows you to define the width of the table that holds the representation of the rdf/rss file.

array **get_Options()**

This Method returns an assocative Array with available Options.

string **cache()**

This Method returns the Content of the RDF File in one string. The String actually holds the whole XML Document.

string **get_cache_update_time()**

This Method returns the Date/Time of last Cache Update of the actually parsed RDF File.

string **get_CacheType()**

This Method returns the Type of Cache that was used ('normal' or 'fast')

array **is_cachedFile()**

Returns true if cached file was used, otherwise false

void **clear_cache()**

This Method deletes all the cached Files.

void **set_proxy(string $phost, string $pport)**

this method sets a proxy server

void **set_proxy_auth(string $pname, string $ppasswd)**

this method sets a proxy server authentification

## Private Method Summary

void **_parse_xRDF(string $data)**

This Method avtually parses the XML data.

void **_throw_exception(string $msg)**

This Method displays Error Messages and terminates the Execution of the Script

void **_clear_Items([ string $array ])**

This Method clears the Array containig the Items.

void **_clear_cItems([ string $array ])**

This Method clears the Array containig the Channel Items.

void **_startElement(mixed $parser, string $name, string $attrs)**

XML Parser Start Element Handler

void

**get_ChannelData(mixed $parser)**

Retrives the Channel Data in <rss> File

void **endElement(mixed $parser, string $name)**

XML Parser End Element Handler

void **parseData(mixed $parser, string $text)**

XML Parser Data Handler

boolean **create_cache_dir()**

This Methods creates the Cache Directory if the specified Directory does not exist.

void **update_cache([ string $content ])**

This Method updates the cached RDF Files and synchronises them with their remote Counterparts.

string **cut_string(string $string, [ string $str_len ])**

Cuts the String $string after $str_len and adds "... "

void **garbage_collection()**

this Method implements simple Garbage Collection

array **rdf_data()**

gets _remote_file into an array

# Public Field Summary

integer **$gc_probability**

Garbage collection: probability in percent

# Private Field Summary

string **$_link_target**

If $_link_target is set a target='xxx' attribute in each <a /> and <form /> html tag will be added

string **$_phost**

vars for proxy settings – Prox Host

string **$_pport**

vars for proxy settings – Prox Port

string **$_pname**

vars for proxy settings – Prox Username

string **$_ppasswd**

vars for proxy settings – Prox Password

boolean **$_use_proxy**

just a flag for checking if proxy–support should be enabled

boolean

**$_use_proxy_auth**

just a flag for checking if proxy−support with authentication

integer **$_refresh**

The time the Files will be cached (in seconds).

string **$_cached_file**

The Name of the cached File.

boolean **$_use_cached_file**

Indicates whether the cached or the remote file was used.

string **$_cache_type**

(fast|normal) depends on _use_dynamic_display(). _use_dynamic_display( TRUE ) –> 'normal', otherwise 'fast'

string **$_remote_file**

The Name of the Remote File.

string **$_cache_dir**

Path to the Cache Directory.

boolean **$_cache_dir_ok**

Indicates whether the Creating of the Cache Directory needs to be done or not.

string **$_type**

Type of the file to be parsed (RSS or RDF).

array **$_display_opt**

Array of Display Settings.

integer **$_table_width**

Defines the width attribute in the table that holds the rdf/rss representation

boolean **$_use_dynamic_display**

Indicates whether or not to use dynamic Display Settings

integer **$_item_count**

<item> count

boolean **$_max_count**

No of max <item>s

array **$_array_channel**

Array containing the content of

array **$_array_item**

Array containing the content of each

array **$_array_textinput**

Array containing the content of

array

**$_array_image**

Array containing the content of <image />

array **$_citem**

Array containing the Channel content. Just For internal XML Parser Purposes.

array **$_cdepth**

Array containing the Channel Parser Depth. Just For internal XML Parser Purposes.

array **$_ctags**

Array containing the Channel tags. Just For internal XML Parser Purposes.

array **$_item**

Array containing the Channel content. Just For internal XML Parser Purposes.

array **$_depth**

Array containing the Channel Parser Depth. Just For internal XML Parser Purposes.

array **$_tags**

Array containing the tags. Just For internal XML Parser Purposes.

string **$_output**

HTML Output

# Public Method Details

**fase4_rdf**

**public void fase4_rdf( )**

|  | Constructor of our Class<br>This Method checks if the Cache Directory can be found. Otherwise it tries to creat the Cache Directory at the specified Path.Additionally the Refresh Time is set to a default Value of 1200s (20 min). |
|---|---|
| Returns | void |
| Author(s) | Stefan Saasen <s@fase4.com> |

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**parse_RDF**

**public string parse_RDF( string $rdf )**

|  | This Method starts the parsing of the specified RDF File. The File can be a local or a remote File. |
|---|---|
| Parameter | |
|  | string $rdf |
|  | RDF File<br>(Location) |
| Returns | string |
|  | Displays RDF Content ( using _display() ) |
| See Also | cache() |
| Author(s) | Stefan Saasen <s@fase4.com> |

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**finish**

**public string finish( )**

|  | This Method is called when all parsing is finished to use the garbage collection |
|---|---|
| Returns | string |
|  | Displays RDF Content ( using _display() ) |
| See Also | cache() |
| Author(s) | Stefan Saasen &lt;s@fase4.com&gt; |

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**use_dynamic_display**

**public string use_dynamic_display( string $bool )**

|  | With this method you can decide whether to use the normal cache and dynamic display Options or to use a static cache.<br>In the first case the rdf/rss File will be stored locally, in the second case the html output of the specified source will be stored.In this case you can not modify the display settings.processing time: ( 1.4792) ––&gt; remote fileprocessing time: ( 0.0313) ––&gt; using 'normal cache' with display Modification turned on.processing time: ( 0.0019) ––&gt; using 'fast cache' |
|---|---|
| Parameter |  |
|  | string $bool |
|  | RDF File<br>(Location) |
| Returns | string |
|  | Displays RDF Content ( using _display() ) |
| See Also | cache() |
| Author(s) | Stefan Saasen &lt;s@fase4.com&gt; |

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**set_refresh**

**public boolean set_refresh( int $seconds )**

|  | This Methods allows you to set the Refresh Time |
|---|---|
| Parameter |  |
|  | int $seconds |
|  | time files will be cached (in seconds). |
| Returns | boolean |
| Author(s) | Stefan Saasen &lt;s@fase4.com&gt; |

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**set_max_item**

**public boolean set_max_item( int $int )**

|  | This Methods allows you to set the No. of &lt;item&gt;s to display |
|---|---|
| Parameter |  |

|  | int $int |
|---|---|
|  | No of max <item>s |
| Returns | boolean |
| See Also | _endElement() |
| Author(s) | Stefan Saasen <s@fase4.com> |

**set_CacheDir**

**public boolean set_CacheDir( string $dir )**

| | This Methods allows you to set the Cache Directory |
|---|---|
| Parameter | |
| | string $dir |
| | Path to Directory. |
| Returns | boolean |
| Author(s) | Stefan Saasen <s@fase4.com> |

**get_array_channel**

**public array get_array_channel( )**

| | This Method returns the data from the <channel /> paragraph. |
|---|---|
| Returns | array |
| Author(s) | Stefan Saasen <s@fase4.com> |

**get_array_item**

**public array get_array_item( )**

| | This Method returns the data from each <item /> paragraph. |
|---|---|
| Returns | array |
| Author(s) | Stefan Saasen <s@fase4.com> |

**get_array_textinput**

**public array get_array_textinput( )**

| | This Method returns the data from <textinput />. |
|---|---|
| Returns | array |
| Author(s) | Stefan Saasen <s@fase4.com> |

**get_array_image**

**public array get_array_image( )**

| | This Method returns the data from <image />. |
|---|---|
| Returns | array |
| Author(s) | Stefan Saasen <s@fase4.com> |

**set_Options**

**public void set_Options( [ string $options ] )**

This Method allows you to choose if specific Parameters are displayed or not. These are:
image, channel, textinput, build and cache_update. If set to "hidden" those elements won't be displayed.

Parameter

 string $options = >>" "<<

Returns                          void

Author(s)                        Stefan Saasen <s@fase4.com>

**set_table_width**

**public void set_table_width( [ integer $width ] )**

This Method allows you to define the width of the table that holds the representation of the rdf/rss file.

Parameter

 integer $width   = >>400<<

                  attribute width in tag <table>

Returns                          void

Author(s)                        Stefan Saasen <s@fase4.com>

**get_Options**

**public array get_Options( )**

This Method returns an assocative Array with available Options.
The Keys are the Name of the Options to be set.The Values are short Description of available Options.

Returns                          array $options

Author(s)                        Stefan Saasen <s@fase4.com>

**cache**

**public string cache( )**

This Method returns the Content of the RDF File in one string. The String actually holds the whole XML Document.

Returns                          string

                                 XML Presentation of parsed RDF File

See Also                          _update_cache()

Author(s)                        Stefan Saasen <s@fase4.com>

**get_cache_update_time**

**public string get_cache_update_time( )**

| | |
|---|---|
| | This Method returns the Date/Time of last Cache Update of the actually parsed RDF File. |
| Returns | string |
| | Date /Time of last Update |
| Author(s) | Stefan Saasen <s@fase4.com> |

**get_CacheType**

**public string get_CacheType( )**

| | |
|---|---|
| | This Method returns the Type of Cache that was used ('normal' or 'fast') |
| Returns | string |
| | Displays RDF Content ( using _display() ) |
| See Also | cache() |
| Author(s) | Stefan Saasen <s@fase4.com> |

**is_cachedFile**

**public array is_cachedFile( )**

| | |
|---|---|
| | Returns true if cached file was used, otherwise false |
| Returns | array $options |
| Author(s) | Stefan Saasen <s@fase4.com> |

**clear_cache**

**public void clear_cache( )**

| | |
|---|---|
| | This Method deletes all the cached Files. Please keep in mind to use this method just as a 'manual garbage collection'You should cache the rss/rdf files locally to avoid unnecessary traffic.(Both for your visitors and the Publisher) |
| Returns | void |
| Author(s) | Stefan Saasen <s@fase4.com> |

**set_proxy**

**public void set_proxy( string $phost, string $pport )**

| | |
|---|---|
| | this method sets a proxy server |
| Parameter | |
| | string $phost |
| | Proxy Host |
| | string $pport |
| | Prox Port |
| Returns | void |

| Author(s) | Marco Kraus &lt;marco.kraus@siemens.com&gt; |
| --- | --- |

**set_proxy_auth**

**public void set_proxy_auth( string $pname, string $ppasswd )**

this method sets a proxy server authentification

Parameter

string $pname

Username

string $ppasswd

Password

| Returns | void |
| --- | --- |
| Author(s) | Marco Kraus &lt;marco.kraus@siemens.com&gt; |

## Private Method Details

**_parse_xRDF**

**private void _parse_xRDF( string $data )**

This Method avtually parses the XML data.

Parameter

string $data

RDF File XML
Data

| Returns | void |
| --- | --- |
| See Also | _clear_Items() |
| Author(s) | Stefan Saasen &lt;s@fase4.com&gt; |

**_throw_exception**

**private void _throw_exception( string $msg )**

This Method displays Error Messages and terminates the Execution of the Script

Parameter

string $msg

Message to display on
failure

| Returns | void |
| --- | --- |
| Author(s) | Stefan Saasen &lt;s@fase4.com&gt; |

**_clear_Items**

**private void _clear_Items( [ string $array ] )**

This Method clears the Array containig the Items.

Parameter

string $array = >>" "<<

   Itemarray

| | |
|---|---|
| Returns | void |
| Author(s) | Stefan Saasen <s@fase4.com> |

---

**_clear_cItems**

**private void _clear_cItems( [ string $array ] )**

   This Method clears the Array containig the Channel Items.

Parameter

  string $array  = >>" "<<

   Array containing the Channel Items

| | |
|---|---|
| Returns | void |
| Author(s) | Stefan Saasen <s@fase4.com> |

---

**_startElement**

**private void _startElement( mixed $parser, string $name, string $attrs )**

   XML Parser Start Element Handler

Parameter

  mixed $parser

   a reference to the XML parser calling the
   handler.

  string $name

   contains the name of the element for which this handler is
   called.

  string $attrs

   contains an associative array with the element's attributes (if
   any).

| | |
|---|---|
| Returns | void |
| See Also | _get_ChannelData(), _clear_Items() |
| Author(s) | Stefan Saasen <s@fase4.com> |

---

**_get_ChannelData**

**private void _get_ChannelData( mixed $parser )**

   Retrives the Channel Data in <rss> File

Parameter

  mixed $parser

   a reference to the XML parser calling the
   handler.

| | |
|---|---|
| Returns | void |
| Author(s) | Stefan Saasen <s@fase4.com> |

---

**_endElement**

**private void _endElement( mixed $parser, string $name )**

XML Parser End Element Handler

Parameter

mixed $parser

a reference to the XML parser calling the
handler.

string $name

contains the name of the element for which this handler is
called.

Returns void

See Also  _clear_Items()

Author(s) Stefan Saasen <s@fase4.com>

---

**_parseData**

**private void _parseData( mixed $parser, string $text )**

XML Parser Data Handler

Parameter

mixed $parser

a reference to the XML parser calling the
handler.

string $text

contains the character data as a
string.

Returns void

Author(s) Stefan Saasen <s@fase4.com>

---

**_create_cache_dir**

**private boolean _create_cache_dir( )**

This Methods creates the Cache Directory if the specified Directory does not exist.

Returns boolean

Author(s) Stefan Saasen <s@fase4.com>

---

**_update_cache**

**private void _update_cache( [ string $content ] )**

This Method updates the cached RDF Files and synchronises them with their
remote Counterparts.

Parameter

string $content = >>" "<<

RDF File (Location)

Returns void

See Also  _throw_exception()

| Author(s) | Stefan Saasen <s@fase4.com> |

---

**_cut_string**

**private string _cut_string( string $string, [ string $str_len ] )**

Cuts the String $string after $str_len and adds "... "

Parameter

string $string

String to be
shortened

string $str_len                    = >>"30"<<

length of the returned String (overall length including "... ")

Returns          string

Cut String

---

**_garbage_collection**

**private void _garbage_collection( )**

this Method implements simple Garbage Collection

Returns          void

Author(s)        Stefan Saasen <s@fase4.com>

---

**_rdf_data**

**private array _rdf_data( )**

gets _remote_file into an array
needed, cause if you use a proxy, you have to opena raw−tcp−socket to get the
data

Returns          array

See Also         cache()

Author(s)        Marco Kraus <Marco.Kraus@siemens.com>

---

# Public Field Details

**$gc_probability**

**public integer $gc_probability**

>>1<<

Garbage collection: probability in percent

---

# Private Field Details

### $_link_target
### private string $_link_target

```
>>"_blank"<<
```

If $_link_target is set a target='xxx' attribute in each <a /> and <form /> html tag will be added
Possible values are "_blank", "_content", "_parent", "_self", "_top"

---

### $_phost
### private string $_phost

```
>>" "<<
```

vars for proxy settings – Prox Host

---

### $_pport
### private string $_pport

```
>>" "<<
```

vars for proxy settings – Prox Port

---

### $_pname
### private string $_pname

```
>>" "<<
```

vars for proxy settings – Prox Username

---

### $_ppasswd
### private string $_ppasswd

```
>>" "<<
```

vars for proxy settings – Prox Password

---

### $_use_proxy
### private boolean $_use_proxy

```
>>false<<
```

just a flag for checking if proxy–support should be enabled
set default to false (will be enabled if set_proxy is called)

See Also                                    set_proxy()

---

**$_use_proxy_auth**

**private boolean $_use_proxy_auth**

>>false<<

just a flag for checking if proxy−support with authentication
should be enabledset default to false (will be enabled if set_proxy is called)

See Also                                                  set_proxy()

---

**$_refresh**

**private integer $_refresh**

>><<

The time the Files will be cached (in seconds).

---

**$_cached_file**

**private string $_cached_file**

>>" "<<

The Name of the cached File.

---

**$_use_cached_file**

**private boolean $_use_cached_file**

>>false<<

Indicates whether the cached or the remote file was used.

---

**$_cache_type**

**private string $_cache_type**

>>" "<<

(fast|normal) depends on _use_dynamic_display(). _use_dynamic_display( TRUE ) –> 'normal', otherwise
'fast'

---

**$_remote_file**

**private string $_remote_file**

>>" "<<

The Name of the Remote File.

---

**$_cache_dir**

**private string $_cache_dir**

```
>>"cache/"<<
```

Path to the Cache Directory.

---

**$_cache_dir_ok**

**private boolean $_cache_dir_ok**

```
>>false<<
```

Indicates whether the Creating of the Cache Directory needs to be done or not.

---

**$_type**

**private string $_type**

```
>>""<<
```

Type of the file to be parsed (RSS or RDF).
The Type depends on the root node

---

**$_display_opt**

**private array $_display_opt**

```
>>array()<<
```

Array of Display Settings.
Specific Parameters can be set to hidden. These are:image, channel and textinput. If set to "hidden" those elements won't be displayed.

---

**$_table_width**

**private integer $_table_width**

```
>>400<<
```

Defines the width attribute in the table that holds the rdf/rss representation

---

**$_use_dynamic_display**

**private boolean $_use_dynamic_display**

```
>>false<<
```

Indicates whether or not to use dynamic Display Settings

---

**$_item_count**
**private integer $_item_count**

>><<

<item> count

---

**$_max_count**
**private boolean $_max_count**

>>false<<

No of max <item>s

---

**$_array_channel**
**private array $_array_channel**

>>array()<<

Array containing the content of

---

**$_array_item**
**private array $_array_item**

>>array()<<

Array containing the content of each

---

**$_array_textinput**
**private array $_array_textinput**

>>array()<<

Array containing the content of

---

**$_array_image**
**private array $_array_image**

>>array()<<

Array containing the content of <image />

---

**$_citem**
**private array $_citem**

>>array()<<

Array containing the Channel content. Just For internal XML Parser Purposes.

---

**$_cdepth**

**private array $_cdepth**

```
>>array()<<
```

Array containing the Channel Parser Depth. Just For internal XML Parser Purposes.

---

**$_ctags**

**private array $_ctags**

```
>>array( "x" )<<
```

Array containing the Channel tags. Just For internal XML Parser Purposes.

---

**$_item**

**private array $_item**

```
>>array()<<
```

Array containing the Channel content. Just For internal XML Parser Purposes.

---

**$_depth**

**private array $_depth**

```
>>array()<<
```

Array containing the Channel Parser Depth. Just For internal XML Parser Purposes.

---

**$_tags**

**private array $_tags**

```
>>array( "x" )<<
```

Array containing the tags. Just For internal XML Parser Purposes.

---

**$_output**

**private string $_output**

```
>>" "<<
```

HTML Output

---

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