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### Packages

* [CodeIgniter](http://docs.google.com/package-CodeIgniter.html)
  + [Libraries](http://docs.google.com/package-CodeIgniter.Libraries.html)
  + [Rest](http://docs.google.com/package-CodeIgniter.Rest.html)
* [None](http://docs.google.com/package-None.html)

### Classes

* [Format](http://docs.google.com/class-Format.html)
* [Rest\_server](http://docs.google.com/class-Rest_server.html)
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* Package
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Class Format

Format class Help convert between various formats such as XML, JSON, CSV, etc.

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**Located at** [libraries/Format.php](http://docs.google.com/source-class-Format.html#5-531)

Methods summary

| public | [#](#gjdgxs) [\_\_construct](http://docs.google.com/source-class-Format.html#76-106)( null $data = NULL, null $from\_type = NULL )  DO NOT CALL THIS DIRECTLY, USE factory()  DO NOT CALL THIS DIRECTLY, USE factory() Parameters $data $from\_type Throws Exception |
| --- | --- |
| public object | [#](#30j0zll) [factory](http://docs.google.com/source-class-Format.html#108-123)( mixed $data, string $from\_type = NULL )  Create an instance of the format class e.g: echo $this->format->factory(['foo' => 'bar'])->to\_csv();  Create an instance of the format class e.g: echo $this->format->factory(['foo' => 'bar'])->to\_csv(); Parameters $data Data to convert/parse $from\_type Type to convert from e.g. json, csv, html Returns object  Instance of the format class |
| public array | [#](#1fob9te) [to\_array](http://docs.google.com/source-class-Format.html#127-163)( mixed|null $data = NULL )  Format data as an array  Format data as an array Parameters $data  Optional data to pass, so as to override the data passed to the constructor Returns array  Data parsed as an array; otherwise, an empty array |
| public mixed | [#](#3znysh7) [to\_xml](http://docs.google.com/source-class-Format.html#165-248)( mixed|null $data = NULL, null $structure = NULL, string $basenode = 'xml' )  Format data as XML  Format data as XML Parameters $data  Optional data to pass, so as to override the data passed to the constructor  $structure $basenode Returns mixed |
| public mixed | [#](#2et92p0) [to\_html](http://docs.google.com/source-class-Format.html#250-300)( mixed|null $data = NULL )  Format data as HTML  Format data as HTML Parameters $data  Optional data to pass, so as to override the data passed to the constructor Returns mixed |
| public string | [#](#tyjcwt) [to\_csv](http://docs.google.com/source-class-Format.html#302-389)( mixed|null $data = NULL, string $delimiter = ',', string $enclosure = '"' )  Parameters  $data  Optional data to pass, so as to override the data passed to the constructor  $delimiter  The optional delimiter parameter sets the field delimiter (one character only). NULL will use the default value (,)  $enclosure  The optional enclosure parameter sets the field enclosure (one character only). NULL will use the default value (") Returns string  A csv string Link <http://www.metashock.de/2014/02/create-csv-file-in-memory-php/> |
| public string | [#](#3dy6vkm) [to\_json](http://docs.google.com/source-class-Format.html#391-427)( mixed|null $data = NULL )  Encode data as json  Encode data as json Parameters $data  Optional data to pass, so as to override the data passed to the constructor Returns string  Json representation of a value |
| public string | [#](#1t3h5sf) [to\_serialized](http://docs.google.com/source-class-Format.html#429-446)( mixed|null $data = NULL )  Encode data as a serialized array  Encode data as a serialized array Parameters $data  Optional data to pass, so as to override the data passed to the constructor Returns string  Serialized data |
| public mixed | [#](#4d34og8) [to\_php](http://docs.google.com/source-class-Format.html#448-465)( mixed|null $data = NULL )  Format data using a PHP structure  Format data using a PHP structure Parameters $data  Optional data to pass, so as to override the data passed to the constructor Returns mixed  String representation of a variable |
| protected SimpleXMLElement | [#](#2s8eyo1) [\_from\_xml](http://docs.google.com/source-class-Format.html#469-476)( $data )  Parameters  $data string Returns SimpleXMLElement  XML element object; otherwise, empty array |
| protected array | [#](#17dp8vu) [\_from\_csv](http://docs.google.com/source-class-Format.html#478-502)( string $data, string $delimiter = ',', string $enclosure = '"' )  Parameters  $data CSV string $delimiter  The optional delimiter parameter sets the field delimiter (one character only). NULL will use the default value (,)  $enclosure  The optional enclosure parameter sets the field enclosure (one character only). NULL will use the default value (") Returns array  A multi-dimensional array with the outer array being the number of rows and the inner arrays the individual fields |
| protected mixed | [#](#3rdcrjn) [\_from\_json](http://docs.google.com/source-class-Format.html#504-511)( $data )  Parameters  $data json string Returns mixed  Decoded json string with leading and trailing whitespace removed |
| protected mixed | [#](#26in1rg) [\_from\_serialize](http://docs.google.com/source-class-Format.html#513-520)( string $data )  Parameters  $data to unserialized Returns mixed  Unserialized data |
| protected string | [#](#lnxbz9) [\_from\_php](http://docs.google.com/source-class-Format.html#522-529)( $data )  Parameters  $data to trim leading and trailing whitespace Returns string  Data with leading and trailing whitespace removed |

Constants summary

| string | [**ARRAY\_FORMAT**](http://docs.google.com/source-class-Format.html#14-17)  Array output format  Array output format | [#](#35nkun2) 'array' |
| --- | --- | --- |
| string | [**CSV\_FORMAT**](http://docs.google.com/source-class-Format.html#19-22)  Comma Separated Value (CSV) output format  Comma Separated Value (CSV) output format | [#](#1ksv4uv) 'csv' |
| string | [**JSON\_FORMAT**](http://docs.google.com/source-class-Format.html#24-27)  Json output format  Json output format | [#](#44sinio) 'json' |
| string | [**HTML\_FORMAT**](http://docs.google.com/source-class-Format.html#29-32)  HTML output format  HTML output format | [#](#2jxsxqh) 'html' |
| string | [**PHP\_FORMAT**](http://docs.google.com/source-class-Format.html#34-37)  PHP output format  PHP output format | [#](#z337ya) 'php' |
| string | [**SERIALIZED\_FORMAT**](http://docs.google.com/source-class-Format.html#39-42)  Serialized output format  Serialized output format | [#](#3j2qqm3) 'serialized' |
| string | [**XML\_FORMAT**](http://docs.google.com/source-class-Format.html#44-47)  XML output format  XML output format | [#](#1y810tw) 'xml' |
| string | [**DEFAULT\_FORMAT**](http://docs.google.com/source-class-Format.html#49-52)  Default format of this class  Default format of this class | [#](#4i7ojhp) [Format::**JSON\_FORMAT**](http://docs.google.com/class-Format.html#JSON_FORMAT) |

Properties summary

| protected mixed | [$\_data](http://docs.google.com/source-class-Format.html#61-66)  Data to parse  Data to parse | [#](#2xcytpi) [] |
| --- | --- | --- |
| protected string | [$\_from\_type](http://docs.google.com/source-class-Format.html#68-73)  Type to convert from  Type to convert from | [#](#1ci93xb) NULL |

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