

WDDX

Introduction

These functions are intended for work with [» WDDX](#).

Installing/Configuring

Requirements

In order to use WDDX, you will need to install the expat library (which comes with Apache 1.3.7 or higher).

Installation

After installing expat compile PHP with *--enable-wddx*.

The Windows version of PHP has built-in support for this extension. You do not need to load any additional extensions in order to use these functions.

Runtime Configuration

This extension has no configuration directives defined in *php.ini*.

Resource Types

This extension defines a WDDX packet identifier returned by [wddx_packet_start\(\)](#).

Predefined Constants

This extension has no constants defined.

Examples

All the functions that serialize variables use the first element of an array to determine whether the array is to be serialized into an array or structure. If the first element has string key, then it is serialized into a structure, otherwise, into an array.

Example #1 - Serializing a single value with WDDX

```
<?php
echo wddx_serialize_value("PHP to WDDX packet example", "PHP packet");
?>
```

This example will produce:

```
<wddxPacket version='1.0'><header comment='PHP packet'></header><data>
<string>PHP to WDDX packet example</string></data></wddxPacket>
```

Example #2 - Using incremental packets with WDDX

```
<?php
$pi = 3.1415926;
$packet_id = wddx_packet_start("PHP");
wddx_add_vars($packet_id, "pi");

/* Suppose $cities came from database */
$cities = array("Austin", "Novato", "Seattle");
wddx_add_vars($packet_id, "cities");

$packet = wddx_packet_end($packet_id);
echo $packet;
?>
```

This example will produce:

```
<wddxPacket version='1.0'><header comment='PHP'></header><data><struct>
<var name='pi'><number>3.1415926</number></var><var name='cities'>
<array length='3'><string>Austin</string><string>Novato</string>
<string>Seattle</string></array></var></struct></data></wddxPacket>
```

Note

If you want to serialize non-ASCII characters you have to convert your data to UTF-8 first (see [utf8_encode\(\)](#) and [iconv\(\)](#)).

WDDX Functions

wddx_add_vars

wddx_add_vars -- Add variables to a WDDX packet with the specified ID

Description

bool **wddx_add_vars** (resource \$packet_id, mixed \$var_name [, mixed \$...])

Serializes the passed variables and add the result to the given packet.

Parameters

This function takes a variable number of parameters.

packet_id

A WDDX packet, returned by [wddx_packet_start\(\)](#).

var_name

Can be either a string naming a variable or an array containing strings naming the variables or another array, etc.

...

Return Values

Returns **TRUE** on success or **FALSE** on failure.

wddx_deserialize

wddx_deserialize -- Alias of [wddx_unserialize\(\)](#)

Description

This function is an alias of: [wddx_unserialize\(\)](#).

wddx_packet_end

wddx_packet_end -- Ends a WDDX packet with the specified ID

Description

string **wddx_packet_end** (resource \$packet_id)

Ends and returns the given WDDX packet.

Parameters

packet_id

A WDDX packet, returned by [wddx_packet_start\(\)](#).

Return Values

Returns the string containing the WDDX packet.

wddx_packet_start

wddx_packet_start -- Starts a new WDDX packet with structure inside it

Description

resource **wddx_packet_start** ([string `$comment`])

Start a new WDDX packet for incremental addition of variables. It automatically creates a structure definition inside the packet to contain the variables.

Parameters

comment

An optional comment string.

Return Values

Returns a packet ID for use in later functions, or **FALSE** on error.

wddx_serialize_value

wddx_serialize_value -- Serialize a single value into a WDDX packet

Description

string **wddx_serialize_value** (*mixed* \$var [, string \$comment])

Creates a WDDX packet from a single given value.

Parameters

var

The value to be serialized

comment

An optional comment string that appears in the packet header.

Return Values

Returns the WDDX packet, or **FALSE** on error.

wddx_serialize_vars

wddx_serialize_vars -- Serialize variables into a WDDX packet

Description

string **wddx_serialize_vars** (*mixed* \$var_name [, *mixed* \$...])

Creates a WDDX packet with a structure that contains the serialized representation of the passed variables.

Parameters

This function takes a variable number of parameters.

var_name

Can be either a string naming a variable or an array containing strings naming the variables or another array, etc.

...

Return Values

Returns the WDDX packet, or **FALSE** on error.

Examples

Example #3 - [wddx_serialize_vars\(\)](#) example

```
<?php
$a = 1;
$b = 5.5;
$c = array("blue", "orange", "violet");
$d = "colors";

$clvars = array("c", "d");
echo wddx_serialize_vars("a", "b", $clvars);
?>
```

The above example will output:

```
<wddxPacket version='1.0'><header/><data><struct><var
name='a'><number>1</number></var>
<var name='b'><number>5.5</number></var><var name='c'><array length='3'>
<string>blue</string><string>orange</string><string>violet</string></array><
/var>
<var name='d'><string>colors</string></var></struct></data></wddxPacket>
```

wddx_unserialize

wddx_unserialize -- Unserializes a WDDX packet

Description

mixed wddx_unserialize (string \$packet)

Unserializes a WDDX *packet*.

Parameters

packet

A WDDX packet, as a string or stream.

Return Values

Returns the unserialized value which can be a string, a number or an array. Note that structures are unserialized into associative arrays.