



Search resources



```
add_meta_box( string $id, string $title, callable $callback,  
string|array|WP_Screen $screen = null, string $context = 'advanced',  
string $priority = 'default', array $callback_args = null )
```

Adds a meta box to one or more screens.

Parameters

\$id string required

Meta box ID (used in the 'id' attribute for the meta box).

\$title string required

Title of the meta box.

\$callback callable required

Function that fills the box with the desired content.

The function should echo its output.

\$screen string|array|WP_Screen optional

The screen or screens on which to show the box (such as a post type, 'link', or 'comment'). Accepts a single screen ID, [WP_Screen](#) object, or array of screen IDs. Default is the current screen. If you have used [add_menu_page\(\)](#) or [add_submenu_page\(\)](#) to create a new screen (and hence screen_id), make sure your menu slug conforms to the limits of [sanitize_key\(\)](#) otherwise the 'screen' menu may not correctly render on your page.

Default: null

\$context string optional

The context within the screen where the box should display. Available contexts vary from screen to screen. Post edit screen contexts include 'normal', 'side', and 'advanced'. Comments screen contexts include 'normal' and 'side'.

Menus meta boxes (accordion sections) all use the 'side' context. Global default is 'advanced'.

Default: 'advanced'

\$priority string optional

The priority within the context where the box should show.

Accepts 'high', 'core', 'default', or 'low'. Default 'default'.

Default: 'default'

\$callback_args array optional

Data that should be set as the \$args property of the box array (which is the second parameter passed to your callback).

Default: null

Source

wp-admin/includes/template.php

[Expand code](#) [Copy](#)

```
function add_meta_box( $id, $title, $callback, $screen = null, $context = 'advanced', $priority = 10, $callback_args = array() ) {
    global $wp_meta_boxes;

    if ( empty( $screen ) ) {
        $screen = get_current_screen();
    } elseif ( is_string( $screen ) ) {
        $screen = convert_to_screen( $screen );
    } elseif ( is_array( $screen ) ) {
        foreach ( $screen as $single_screen ) {
            add_meta_box( $id, $title, $callback, $single_screen, $context, $priority, $callback_args );
        }
    }
}
```

[View all references](#) · [View on Trac](#) · [View on GitHub](#)

Related

Uses

[get_current_screen\(\)](#)

wp-admin/includes/screen.php

[convert_to_screen\(\)](#)

wp-admin/includes/template.php

[add_meta_box\(\)](#)

wp-admin/includes/template.php

Used by

[register_and_do_post_meta_boxes\(\)](#)

wp-admin/includes/meta-boxes.php

[wp_add_dashboard_widget\(\)](#)

wp-admin/includes/dashboard.php

[add_meta_box\(\)](#)

wp-admin/includes/template.php

[do_meta_boxes\(\)](#)

wp-admin/includes/template.php

[wp_nav_menu_setup\(\)](#)

wp-admin/includes/nav-menu.php

[Show 2 more](#)

Changelog

Version	Description
4.4.0	The <code>\$screen</code> parameter now accepts an array of screen IDs.
2.5.0	Introduced.

User Contributed Notes

Codex9 years ago

35

Class

This is an example of how to add a meta box from inside a class

[Expand code](#)[Copy](#)

```
/**  
 * Calls the class on the post edit screen.  
 */  
function call_someClass() {  
    new someClass();  
}  
  
if ( is_admin() ) {  
    add_action( 'load-post.php',      'call_someClass' );  
    add_action( 'load-post-new.php', 'call_someClass' );  
}  
  
/**
```

[Log in to add feedback](#)

Drew Jaynes10 years ago

25

[Expand code](#)[Copy](#)

```
/**  
 * Register meta box(es).  
 */  
function wpdocs_register_meta_boxes() {  
    add_meta_box( 'meta-box-id', __( 'My Meta Box', 'textdomain' ), 'wpdocs_my_display_callback',  
}  
add_action( 'add_meta_boxes', 'wpdocs_register_meta_boxes' );  
  
/**  
 * Meta box display callback.  
 *  
 * @param WP_Post $post Current post object.  
 */
```

[Log in to add feedback](#)

wpdevco8 years ago

^ 21 ▾

[Expand code](#) [Copy](#)

```
/**  
 * Register a meta box using a class.  
 */  
class WPDocs_Custom_Meta_Box {  
  
    /**  
     * Constructor.  
     */  
    public function __construct() {  
        if ( is_admin() ) {  
            add_action( 'load-post.php', array( $this, 'init_metabox' ) );  
            add_action( 'load-post-new.php', array( $this, 'init_metabox' ) );  
        }  
    }  
}
```

[Log in to add feedback](#)

Codex9 years ago

^ 19 ▾

Callback args

The `$callback_args` array will be passed to the callback function as the second argument. The first argument is the post's `$post` object.

[Expand code](#) [Copy](#)

```
/**  
 * This function adds a meta box with a callback function of my_metabox_callback()  
 */  
function add_wpdocs_meta_box() {  
    $var1 = 'this';  
    $var2 = 'that';  
    add_meta_box(  
        'metabox_id',  
        __( 'Metabox Title', 'textdomain' ),  
        'wpdocs_metabox_callback',  
        'page',  
        'normal',  
        'low',  
    );  
}
```

[Show feedback \(1\)](#)[Log in to add feedback](#)

obiPlabon8 years ago

^ 15 ▾

This is the way to register menu screen metabox :)

[Expand code](#) [Copy](#)

```
function op_register_menu_meta_box() {  
    add_meta_box(  
        'op-menu-meta-box-id',  
        esc_html__( 'Op Menu MetaBox Title', 'text-domain' ),  
        'op_render_menu_meta_box',  
        'nav-menus',  
        'side',  
        'core'  
    );  
}  
  
add_action( 'load-nav-menus.php', 'op_register_menu_meta_box' );  
  
function op_render_menu_meta_box() {
```

[Log in to add feedback](#)

yitwail 5 years ago

6 ▾

Seems to me this page should reference the '`_block_editor_compatible_meta_box`' and '`_back_compat_meta_box`' options for `$callback_args` as described in this article: <https://make.wordpress.org/core/2018/11/07/meta-box-compatibility-flags/>

[Log in to add feedback](#)

David 8 years ago

4 ▾

An often forgotten, but also very important, fact is that any `save_post` handler should check for a multisite switched context. Here's an example of such guard:

[Expand code](#) [Copy](#)

```
<?php  
namespace DevWpNote\MetaBox;  
  
add_action( 'save_post', __NAMESPACE__ . '\save_fields', 10, 3 );  
function save_fields( $post_id, WP_Post $post, $update ) {  
    // check nonce ...  
    // check autosave ...  
    // check user capabilities ...  
  
    // check if there was a multisite switch before  
    if ( is_multisite() && ms_is_switched() ) {  
        return $post_id;  
    }  
}
```

That ensures compatibility with other plugins that uses `switch_to_blog()` while they are working on the `save_post` hook. If they are calling `wp_insert_post()` again on other sites, your code would overwrite the wrong content without this check.

[Log in to add feedback](#)

Rubel Miah 8 years ago

^ 4 ▼

[Expand code](#) [Copy](#)

```
//Register Meta Box
function rm_register_meta_box() {
    add_meta_box( 'rm-meta-box-id', esc_html__( 'RM MetaBox Title', 'text-domain' ), 'rm_meta_box_'
}
add_action( 'add_meta_boxes', 'rm_register_meta_box');

//Add field
function rm_meta_box_callback( $meta_id ) {

    $outline = '<label for="title_field" style="width:150px; display:inline-block;">'. esc_html__(
    $title_field = get_post_meta( $meta_id->ID, 'title_field', true );
    $outline .= '<input type="text" name="title_field" id="title_field" class="title_field" value='
```

[Log in to add feedback](#)

Md.Mehedi Hasan 4 years ago

^ 4 ▼

Example:

[Expand code](#) [Copy](#)

```
//Register Meta box
add_action( 'add_meta_boxes', function() {
    add_meta_box( 'wpdocs-id', 'Social link', 'wpdocs_field_cb', 'post', 'side' );
} );

//Meta callback function
function wpdocs_field_cb( $post ) {
    $wpdocs_meta_val = get_post_meta( $post->ID, 'wpdocs-meta-name', true );
    ?>
    <input type="url" name="wpdocs-meta-name" value="<?php echo esc_attr( $wpdocs_meta_val ) ?>">
    <?php
}
```

[Log in to add feedback](#)

Kuba Mikita 7 years ago

^ 2 ▼

This is how the metabox data should be processed in the `save_post` action.

[Expand code](#) [Copy](#)

```
function save_metabox_callback( $post_id ) {  
    if ( ! isset( $_POST['nonce'] ) ) {  
        return;  
    }  
  
    if ( ! wp_verify_nonce( $_POST['nonce'], 'nonce_value' ) ) {  
        return;  
    }  
  
    if ( defined( 'DOING_AUTOSAVE' ) && DOING_AUTOSAVE ) {  
        return;  
    }  
}
```

[Log in to add feedback](#)

Tomas Eklund 5 years ago

^ 2 ▾

Not only is the second parameter `$title` required. If `$title` is an empty string or the string `"0"`, the meta box will not be rendered.

[Log in to add feedback](#)

Bucur 3 years ago

^ 2 ▾

This is an example of how to add a meta box from inside a class with textarea. Replace tabs post type with your custom post type name.

[Expand code](#) [Copy](#)

```
/**  
 * The Class.  
 */  
class someClass {  
  
    /**  
     * Hook into the appropriate actions when the class is constructed.  
     */  
    public function __construct() {  
        add_action( 'add_meta_boxes', array( $this, 'add_meta_box' ) );  
        add_action( 'save_post', array( $this, 'save' ) );  
    }  
}
```

[Log in to add feedback](#)

joydevs 2 years ago

^ 2 ▾

How to add metabox in custom post type:

[Expand code](#)[Copy](#)

```
class Register_Post_Type
{
    /**
     * Register_Post_Type constructor.
     */
    public function __construct() {
        add_action( "init", array( $this, "register_post_type" ) );
        add_action( "add_meta_boxes", array( $this, "add_mata_box" ) );
        add_action( "save_post", array( $this, "save_mata_date" ) );
    }
}
```

```
/**
```

[Log in to add feedback](#)

Rakib Hossain 2 years ago

▲ 2 ▼

Use same Meta Box for multiple post_type

[Expand code](#)[Copy](#)

```
/**
 * Register Metabox
 */
function prefix_add_meta_boxes(){
    add_meta_box( 'unique_mb_id', __( 'Metabox Title','text-domain' ),'prefix_mb_callback', ['page']
}
add_action('add_meta_boxes', 'prefix_add_meta_boxes');

/**
 * Meta field callback function
 */
function prefix_mb_callback(){ ?>
    <label for="mb_id"><?php echo esc_html('Field Label','text-domain'); ?></label>
```

[Log in to add feedback](#)

Vincent Dubroeucq 4 years ago

▲ 1 ▼

Slight gotcha for comments metabox

If you need to add a metabox to the comment edit screen, you have to pass in the value '**normal**' for the **\$context** parameter.

[Expand code](#)[Copy](#)

```
// This will NOT work
add_meta_box(
    'my_comment_metabox_1',           // ID
```

```
__( 'My comment metabox 1' ), // Title
'prefix_comment_metabox', // Callback
'comment' // Screen
);
// This WILL work. Same call, but with 'normal' for context instead of default 'advanced'
add_meta_box(
    'my_comment_metabox_2', // ID
    __( 'My comment metabox 2' ), // Title
    'prefix_comment_metabox', // Callback
    'comment', // Screen
    'normal' // Context
```

[Log in to add feedback](#)

Md Masud2 years ago

^ 0 ▾

In Plugin context:

Add multiple meta boxes for custom post type.

[Expand code](#) [Copy](#)

```
//In admin_init:
add_action('add_meta_boxes', [static::class, 'add_my_action_boxes'], 10, 2);

//related functions structure
public static function add_my_action_boxes($post_type, $post){
    add_meta_box(
        'action_box_1',
        'Action box title',
        [static::class,'call_back_function_one_to_show_content'],
        self::POST_TYPE,
        'normal',
        'high',
        $args1,
```

[Log in to add feedback](#)

slamorte7 years ago

^ -3 ▾

From WordPress 4.4 the \$screen arg can be an array, which greatly simplifies mass additions or alterations of meta boxes. The following code changes the title of the "Author" meta box to "Editor" on pages, posts, attachments, and all custom post types no matter how many are added or when they are added to your site.

[Copy](#)

```
add_action( 'do_meta_boxes', 'my_customize_meta_boxes'); //do_meta_boxes also allows plugin metaboxes
function my_customize_meta_boxes(){
$post_types = get_post_types();
remove_meta_box( 'authordiv', $post_types, 'normal' );

add_meta_box( 'authordiv', __( 'Editor', 'textdomain' ), 'post_author_meta_box', $post_types, 'normal' );
```

[Log in to add feedback](#)

Ashok8 years ago

^ -5 ▾

Sorry didn't find any edit option. The last function should be declared as static:

[Copy](#)

```
static public function wpdocs_register_meta_boxes_static() {
    add_meta_box( 'meta-box-id', __( 'My Meta Box', 'textdomain' ), 'wpdocs_my_display_callback'
}
```

[Log in to add feedback](#)

Ashok8 years ago

^ -9 ▾

This is how it can be called within a class:

[Expand code](#) [Copy](#)

```
class MyClass{

    public function __construct() {
        add_action( 'add_meta_boxes', array( &$this, 'wpdocs_register_meta_boxes' ) );
        // If static
        add_action( 'add_meta_boxes', array( __CLASS__, 'wpdocs_register_meta_boxes_static' ) );
    }

    // Singleton
    static function get_instance() {
        static $Inst = null;
        if( $Inst == null ) {
            $Inst = new self();
        }
    }
}
```

[Log in to add feedback](#)

designdrumm8 years ago

^ -11 ▾

You have \$screen = null in the function call but no check and balances for if it IS null. This was causing an error warning when error logging was turned on.

[Expand code](#) [Copy](#)

```
function add_meta_box( $id, $title, $callback, $screen = null, $context = 'advanced', $priority = 10, $args = array() ) {
    global $wp_meta_boxes;

    if ( empty( $screen ) ) {
        $screen = get_current_screen();
    } elseif ( is_string( $screen ) ) {
        $screen = $screen;
    }
}
```

```
$screen = convert_to_screen( $screen );
} elseif ( is_array( $screen ) ) {
    foreach ( $screen as $single_screen ) {
        add_meta_box( $id, $title, $callback, $single_screen, $context, $priority, $callback_args );
    }
}
```

should be replaced with..

[Expand code](#) [Copy](#)

```
function add_meta_box( $id, $title, $callback, $screen = null, $context = 'advanced', $priority = 10, $callback_args = array() ) {
    global $wp_meta_boxes;

    if ( $screen == null ) {
        $screen = WP_Screen::get();
    } elseif ( empty( $screen ) ) {
        $screen = get_current_screen();
    } elseif ( is_string( $screen ) ) {
        $screen = convert_to_screen( $screen );
    } elseif ( is_array( $screen ) ) {
        foreach ( $screen as $single_screen ) {
            add_meta_box( $id, $title, $callback, $single_screen, $context, $priority, $callback_args );
        }
    }
}
```

not

[Copy](#)

```
if ( ! isset( $screen->id ) ) {
    return;
}
```

IMHO

Best,

Design Drumm

[Log in to add feedback](#)

You must [log in](#) before being able to contribute a note or feedback.

[About](#)

[News](#)

[Hosting](#)

[Privacy](#)

[Showcase](#)

[Themes](#)

[Plugins](#)

[Plugins](#)

[Patterns](#)

[Learn](#)

[Documentation](#)

[Developers](#)

[WordPress.tv ↗](#)

[Get Involved](#)

[Events](#)

[Donate ↗](#)

[Swag Store ↗](#)

[WordPress.com ↗](#)

[Matt ↗](#)

[bbPress ↗](#)

[BuddyPress ↗](#)



CODE IS POETRY