



InstaMember USER'S GUIDE

InstaMember Licensing API Quick-Guide

InstaMember Licensing API Quick-Guide

InstaMember licensing feature is designed to integrate seamlessly into your software application. It gives you the ability, not only to protect your software, but also to track who is using your software, where they are using it at and provides mechanisms to disable access if needed.

TABLE OF CONTENTS

Title Page	1
Inroductory Page	2
Table of Contents	3
InstaMember Licensing API Quick-Guide	4
Credits & Contact Page	12

License Setup

- ☐ Login to your WordPress Dashboard as an administrator.
- ☐ Navigate to the InstaMember admin panel, and click the "Products" tab.
- ☐ Edit the product that will be protected by InstaMember license, and click on the "Licensing" sub-menu.
- ☐ Enable the product licensing feature.
- ☐ You can set the license limitation on the "Usage Per License" setting.
For example, if you want to limit a license so it can be used on a single domain only, then enter '1' and choose "Domain Name" from the drop down. Or, you can simply choose 'No Limit' for unlimited use.
- ☐ Optionally, you can set the 'Prefix' and 'Suffix' for the license key. The 'prefix' and 'suffix' will be included in the generated license key. Both 'prefix' and 'suffix' values are static, so it will be the same for each customer.
- ☐ The default length of the generated license is 10 characters. Please note that the length of 'prefix' and 'suffix' will not be counted. So, if the combined 'prefix' and 'suffix' length is 8, and the license's length is 12 then the total length of the generated license key for each customer will be 20 characters.
- ☐ You can also set the license key expiration in the "Expire In" setting.
- ☐ Click the "Save License Settings" button when you're done.

License API Integration

Before you can make any request, you must obtain the API URI and the Secret word. Here's how:

- ☐ In your "InstaMember" admin panel, go to the "Setup/Configuration -> General."
- ☐ Scroll down to find the "Licensing Server Configuration" section, and click the "+" button to open up its settings.
- ☐ You'll find two fields under the "Licensing Server Configuration." The first one is "Licensing Server Secret" and the other is "Licensing Server URL."
- ☐ The "Licensing Server Secret" will be used for authentication when an API Call is made. By default, InstaMember have already generated a random key for this setting, however, you can change it if you wish.
- ☐ The "Licensing Server URL" is your license API URI.
- ☐ Your API URI will look like this:
[http:// YOURDOMAIN.COM /!/instamember_api/license](http://YOURDOMAIN.COM /!/instamember_api/license)
If you installed WP in a sub-directory, then the API URI will look like this:
http://YOURDOMAIN.COM/WPDIR!/instamember_api/license
- ☐ Click the "Update Settings" button to save any changes.

You can use the InstaMember's licensing API in two different ways. The first is for software activation, and the other is to validate the user's license key periodically.

Every API request requires basic HTTP authentication, and support both "POST" and "GET" methods. The responses will be returned in the JSON serialization format.

License Activation using the “POST” method

Description: Request to validate a license key and also log/write the user’s data into the database. You have to use this method upon software activation so InstaMember can count or limit the usage properly.

API End-Point:

http://YOURDOMAIN.COM/!/instamember_api/license/{license_key}

PHP Example:

```
<?php
$secret_key = 'YOUR
SECRET KEY'; $license_key
= 'LICENSE KEY HERE';
```

```

$md5_hash = md5($license_key . $secret_key);
$api_url =
"http://yourdomain.com/!/instamember_api/license/{ $license_k
ey}";

$hostname =
@gethostbyaddr($_SERVER['SERVER_ADDR']);
$data = array(

    'domain' =>
        $_SERVER['HTTP_HOST'],
    'userip' =>
        $_SERVER['REMOTE_ADDR'],
    'servip' => ( $hostname ) ? $hostname :
        $_SERVER['SERVER_ADDR']

);

$ch = curl_init();
curl_setopt($ch, CURLOPT_URL, $api_url);
curl_setopt($ch, CURLOPT_USERPWD,
"{ $secret_key }: { $md5_hash }"); curl_setopt($ch,
CURLOPT_FOLLOWLOCATION, true); curl_setopt($ch,
CURLOPT_SSL_VERIFYPEER, false);
curl_setopt($ch,
CURLOPT_SSL_VERIFYHOST, false);
curl_setopt($ch, CURLOPT_TIMEOUT,
10); curl_setopt($ch,
CURLOPT_RETURNTRANSFER, true);
curl_setopt($ch, CURLOPT_POST, true);
curl_setopt($ch, CURLOPT_POSTFIELDS,
http_build_query($data));

$result = curl_exec($ch);
$response =
json_decode($result);

```

```

If ( $response->status == 'Success' ) {
    // code to unlock software here...
} else {
    // code handling error here...
}

```

License Validation using the "GET" method

Description: Request to validate the license whether the license is still active or invalid (e.g. expired, inactive, suspended, etc). This method does not accept any type of data, and will not log any data into the database.

API End-Point:

http://YOURDOMAIN.COM/!/instamember_api/license/{license_key}

PHP Example:

```

<?php
$secret_key = 'YOUR SECRET KEY';
$license_key = 'LICENSE KEY
HERE'; $md5_hash =
md5($license_key . $secret_key);
$api_url =
"http://yourdomain.com/!/instamember_api/license/{license_key}";

$ch = curl_init();
curl_setopt($ch, CURLOPT_URL, $api_url);
curl_setopt($ch, CURLOPT_USERPWD,
"{ $secret_key }: { $md5_hash }"); curl_setopt($ch,
CURLOPT_FOLLOWLOCATION, true); curl_setopt($ch,
CURLOPT_SSL_VERIFYPEER, false);
curl_setopt($ch,
CURLOPT_SSL_VERIFYHOST, false);
curl_setopt($ch, CURLOPT_TIMEOUT,
10); curl_setopt($ch,
CURLOPT_RETURNTRANSFER, true);

$result = curl_exec($ch);

```



```
$response =  
json_decode($result);  
  
If ( $response->status == 'Expired' ) {  
    //the license key is expired... do  
    something here... } else if ( $response-  
>status == 'Suspended' ) {  
    //the license key has been suspended... do something here...  
} else {  
    //do something here...  
}
```

Status Types

Success – License key is active or valid

Maxed – License key is active but has reached the maximum usage limit (returned only upon activation)

Expired – License key has expired

Inactive – License key is not active or disabled by admin *Suspended* –

License key has been suspended by admin *Unauthorized* –

Authentication request failed

Error – Any type of errors

Response Data Example (in JSON)

License Active/Success:

```
{
  "status": "Success", "message": "License key is active"
}
```

License Inactive:

```
{
  "status": "Inactive",
  "message": "License key is inactive or disabled"
}
```

License Expired:

```
{
  "status": "Expired",
  "message": "License key has been expired"
}
```

License Maxed:

```
{
  "status": "Maxed",
  "message": "License key is active but has reached the maximum usage limit"
}
```

License Suspended:

```
{
  "status":"Suspended",
  "message":"License key has been suspended"
}
```

Authentication Failed:

```
{
  "status":"Unauthorized",
  "message":"Authentication failed"
}
```

License key is empty:

```
{
  "status":"Error", "message":"License key is
  empty"
}
```

License is not found in the database:

```
{
  "status":"Error", "message":"Invalid license
  key"
}
```

No post data upon activation:

```
{
  "status":"Error",
  "message":"Required fields are empty"
}
```

License Keys Management

Simply login to your WordPress Dashboard, and navigate to "InstaMember -> Manage Licenses." You can view license keys that has been generated along with the details, including the member data, associated product and also the usage log. You can also "deactivate" or "reactivate" or "delete" a license key from this page.

BROUGHT TO YOU BY: SUZANNA THERESIA

If you have any questions or input on how we could improve this manual, please contact our support team at <http://asksuzannatheresia.com>