## **Requirements**

PHP 5.5.9 and later

## **Installation**

To install the bindings via [Composer](https://getcomposer.org/), add the following to composer.json:

{  
 "repositories": [  
 {  
 "type": "git",  
 "url": "https://github.com/ordercloud-api/php-sdk"  
 }  
 ],  
 "require": {  
 "ordercloud-api/php-sdk": "\*@dev"  
 }  
}

Then run composer install

To install manually, download the files and include autoload.php:

require\_once('/path/to/OrderCloud/autoload.php');

## **Configuration**

Before you can make any API calls, you will first need to define the ClientID and scopes.

**client\_id** identifies the Organization or Buyer Company you will be interacting with. It can be found in the application tab of your Dashboard. Check out [this](http://localhost:3000/docs/guides/getting-started/dashboard-and-api-console#Applications) guide for more information.

**scopes** is an array of roles the app will request from the Oauth server. Roles are unique for each API Client and can be limited further via each user's Security Profile. Our example is using the FullAccessand DevCenterImpersonate roles. Check out [this](http://localhost:3000/docs/guides/authentication/security-profiles) guide for more information on roles and Security Profiles.

Use the following function to set your client\_id and scopes:

OrderCloud\Configuration::getDefaultConfiguration()->setClientId("MY\_CLIENT\_ID");  
OrderCloud\Configuration::getDefaultConfiguration()->setScopes(["FullAccess", "DevCenterImpersnate"]);

## **Authentication**

To authenticate, you will need the username and a password of a user created in the [API Console](http://localhost:3000/docs/guides/getting-started/dashboard-and-api-console#APIConsole). This function will retrieve the access token and set it in the header of every subsequent request.

OrderCloud\ApiAuth::login($username, $password);

## **Impersonation**

The SDK also supports making an API call on behalf of ([impersonation](http://localhost:3000/docs/guides/authentication/impersonation)) a user.

You will first need to retrieve the impersonation token by providing the BuyerID, UserID and the claims.

$user\_id = "USER\_ID";  
$buyer\_id = "BUYER\_ID";  
$user\_instance = OrderCloud\Api\UserApi()  
$impersonation\_token = $user\_instance->getAccessToken($buyer\_id, $user\_id, [" YOUR\_ROLES"]);

The following function will begin impersonation. Now any API call you make will be on behalf of that user.

OrderCloud\ApiAuth::startImpersonate($impersonation\_token);  
print('Impersonation status:' + \Configuration::getDefaultConfiguration()->isImpersonating());

To stop the impersonation, just do:

OrderCloud\ApiAuth::stopImpersonate();  
print('Impersonation status:' + \Configuration::getDefaultConfiguration()->isImpersonating());

Even though impersonation stopped, the original access token was saved. Now the function can be called with no arguments and it will use the previously saved access token. If you need to change who you are impersonating you can provide new parameters.

## **Example**

Let’s see how you might use the PHP SDK to get a list of products. First we’ll need to create a new instance of Products and then we can use the [ListProducts](http://localhost:3000/docs/api) endpoint to get a list of products and print the result

<?php  
require\_once(\_\_DIR\_\_.'/vendor/autoload.php');  
  
$api\_instance = OrderCloud\Api\ProductApi();  
  
try {  
 $result = $api\_instance->callList();  
 print\_r($result);  
} catch (Exception $e) {  
 echo 'Exception when calling ProductApi->callList(): ', $e->getMessage(), PHP\_EOL;  
}  
?>

For more API usage examples take a look at our [PHP SDK repository](https://github.com/ordercloud-api/php-sdk).

## **Conclusion**

You should now have enough information to get started building on our platform! The [API reference](http://localhost:3000/docs/api)should be your go-to guide for working with the API but be sure to check out the [API guides](http://localhost:3000/docs/guides) and the[PHP SDK repository](https://github.com/ordercloud-api/php-sdk) as well.

If you notice anything wrong with this guide or have any questions please don't hesitate to reach out to us on [Stack Overflow](http://stackoverflow.com/), just use the tag ordercloud.