



WHMCS Reseller API

API Version: 3.2

Last Updated: 6th April 2021

Introduction

The Reseller API makes available license information and management actions for members of the WHMCS Reseller Program.

- API Endpoint: <https://licenseapi.whmcs.com/v2/reseller/>
- Accepts **POST** and **GET** requests.
- Response format is **XML**.

Supported Functions

- Get Available Products
- Get Pricing
- List Licenses
- Search Licenses
- Add License
- Order Licenses
- Reissue License
- Modify License
- Cancel License
- Upgrade License
- Downgrade License
- Upgrade and Reissue License
- Create Ticket

API Functions

Get Available Products

Returns a list of available products and pricing.

On 1st July 2021, license tiers are changing. For more information, please refer to the WHMCS 2021 Pricing Reseller API Guide.

Request Parameters

Parameter	Type	Description	Required
email	string	Your WHMCS Members Area Email Address	Yes
apikey	string	Your Reseller API Key	Yes
action	string	getavailableproducts	Yes

Response Parameters

Parameter	Type	Description
action	string	The action completed
result	string	success or error
products	array	Products information (see Products Information Parameters below)
message	string	API Error Response Message (if applicable)

Product Information Parameters

Parameter	Type	Description
name	string	Product name
display_name	string	User friendly product name
description	string	User friendly product description
price	float	Your cost price for the product
client_limit NEW	integer string	The maximum number of permitted active clients for the product, or unlimited for Unlimited

Successful Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>getavailableproducts</action>
  <result>success</result>
  <products>
    <product>
      <name>starter</name>
      <display_name>Starter</display_name>
      <description><![CDATA[250 Client Limit. With Branding]]></description>
      <price>13.60</price>
      <client_limit>250</client_limit>
    </product>
    <product>
      <name>plus</name>
      <display_name>Plus</display_name>
      <description><![CDATA[250 Client Limit. No Branding]]></description>
      <price>15.60</price>
      <client_limit>250</client_limit>
    </product>
    <product>
      <name>professional</name>
      <display_name>Professional</display_name>
      <description><![CDATA[1000 Client Limit. No Branding]]></description>
      <price>23.60</price>
      <client_limit>1000</client_limit>
    </product>
    <product>
      <name>business</name>
      <display_name>Business</display_name>
      <description><![CDATA[No Client Limit. No Branding]]></description>
      <price>33.60</price>
      <client_limit>unlimited</client_limit>
    </product>
  </products>
</licenseapi>
```

Failed Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>getavailableproducts</action>
  <result>error</result>
  <message>Reseller Not Found</message>
</licenseapi>
```

Get Pricing

Returns your current and next pricing tier information.

On 1st July 2021, license tiers are changing. For more information, please refer to the WHMCS 2021 Pricing Reseller API Guide.

Request Parameters

Parameter	Type	Description	Required
email	string	Your WHMCS Members Area Email Address	Yes
apikey	string	Your Reseller API Key	Yes
action	string	getpricing	Yes

Response Parameters

Parameter	Type	Description
action	string	The action completed
result	string	success or error
numbranded	integer	The number of branded licenses
numnوبرanded	integer	The number of unbranded licenses
totalactive	integer	The total number of active licenses
buyprice	float	The current buy price for a Starter license
pricingtier	integer	The minimum number of licenses for the pricing tier
nextbuyprice	float	The next tier buy price for a Starter license
nexttier	integer	The minimum number of licenses for the next pricing tier
business_tier_volume_discount_percentage NEW	integer	The discount percentage that will be applied to retail pricing for licenses in the Business 2500 and higher license tiers. Only returned from 1st July 2021 onwards. <i>For more information, please refer to the WHMCS 2021 Pricing Reseller API Guide.</i>
currentpricing	array	Pricing for the current license tier

	Parameter	Type	Description
nextpricing		array	Pricing for the next available license tier
message		string	API Error Response Message (if applicable)

Successful Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>getpricing</action>
  <result>success</result>
  <numbranded>4</numbranded>
  <numnobranded>3</numnobranded>
  <totalactive>7</totalactive>
  <buyprice>x.xx</buyprice>
  <pricingtier>5</pricingtier>
  <nextbuyprice>x.xx</nextbuyprice>
  <nexttier>10</nexttier>
  <business_tier_volume_discount_percentage>15</business_tier_volume_discount_percentage>
  <currentpricing>
    <starter>x.xx</starter>
    <plus>x.xx</plus>
    <professional>x.xx</professional>
    <business>x.xx</business>
  </currentpricing>
  <nextpricing>
    <starter>x.xx</starter>
    <plus>x.xx</plus>
    <professional>x.xx</professional>
    <business>x.xx</business>
  </nextpricing>
</licenseapi>
```

Failed Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>getpricing</action>
  <result>error</result>
  <message>Reseller Not Found</message>
</licenseapi>
```

List Licenses

Returns a list of all licenses within your account.

Request Parameters

Parameter	Type	Description	Required
email	string	Your WHMCS Members Area Email Address	Yes
apikey	string	Your Reseller API Key	Yes
action	string	listlicenses	Yes

Response Parameters

Parameter	Type	Description
action	string	The action completed
result	string	success or error
licenses	array	License information (see License Information Parameters below)
message	string	API Error Response Message (if applicable)

License Information Parameters

Parameter	Type	Description
name	string	Product name
display_name	string	User friendly product name
key	string	The license key
validdomain	string	A comma separated list of allowed domains
validip	string	A comma separated list of allowed IP address
validdirectory	string	A comma separated list of allowed directories
nobranding	bool	True if the license has no branding status
status	string	The license status. One of either Reissued, Active or Suspended
		The client limit status. One of either ok (not close

Parameter	Type	Description
client_limit_status	string	to client limit), approaching (within 50 of the client limit), imminent (within 10 of the client limit) or exceeded (over the client limit).
client_limit NEW	integer string	The maximum number of permitted active clients for assigned product, or unlimited for Unlimited
cost_price NEW	float	Your cost price for the license
upgrade_required	bool	Returns true when the license is within 5 of the client limit
upgrade_product	string	The next available level of product for upgrades.
pricing2021_new_product_name NEW	string	<p>The license product name that the license will be automatically moved to on 1st July 2021 based on the latest available active client count for the license. Empty = no change.</p> <p><i>This is a temporary parameter to aid with the 2021 Price Changes and will no longer be returned after 1st July 2021. For more information, please refer to the WHMCS 2021 Pricing Reseller API Guide.</i></p>
pricing2021_new_cost_price NEW	float	<p>The cost price for the new product itemised in pricing2021_new_product_name . Empty = no change.</p> <p><i>This is a temporary parameter to aid with the 2021 Price Changes and will no longer be returned after 1st July 2021. For more information, please refer to the WHMCS 2021 Pricing Reseller API Guide.</i></p>

Successful Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>listlicenses</action>
  <result>success</result>
  <licenses>
    <license>
      <name>professional</name>
      <display_name>Professional</display_name>
      <key>WHMCS-xxxxxxxxxxxxxxxxxxxx</key>
      <validdomain>example1.com,www.example1.com</validdomain>
      <validip>127.0.0.1</validip>
      <validdirectory>/home/user/public</validdirectory>
      <nobranding>1</nobranding>
      <status>Active</status>
      <client_limit_status>approaching</client_limit_status>
      <client_limit>1000</client_limit>
      <cost_price>x.xx</cost_price>
      <upgrade_required>0</upgrade_required>
      <upgrade_product>business</upgrade_product>
      <pricing2021_new_product_name>business1000</pricing2021_new_product_name>
      <pricing2021_new_cost_price>x.xx</pricing2021_new_cost_price>
    </license>
    <license>
      <name>starter</name>
      <display_name>Starter</display_name>
      <key>Leased-xxxxxxxxxxxxxxxxxxxx</key>
      <validdomain>example2.com,www.example2.com</validdomain>
      <validip>127.0.0.1</validip>
      <validdirectory>/home/user/public</validdirectory>
      <nobranding>0</nobranding>
      <status>Active</status>
      <client_limit_status>okay</client_limit_status>
      <client_limit>250</client_limit>
      <cost_price>x.xx</cost_price>
      <upgrade_required>1</upgrade_required>
      <upgrade_product>professional</upgrade_product>
      <pricing2021_new_product_name></pricing2021_new_product_name>
      <pricing2021_new_cost_price></pricing2021_new_cost_price>
    </license>
    <license>
      <name>plus</name>
      <display_name>Plus</display_name>
      <key>WHMCS-xxxxxxxxxxxxxxxxxxxx</key>
      <validdomain>example3.com,www.example3.com</validdomain>
      <validip>127.0.0.1</validip>
      <validdirectory>/home/user/public</validdirectory>
      <nobranding>1</nobranding>
      <status>Suspended</status>
      <client_limit_status>exceeded</client_limit_status>
```



```

</client_limit_status>exceeded</client_limit_status>
<client_limit>250</client_limit>
<cost_price>x.xx</cost_price>
<upgrade_required>1</upgrade_required>
<upgrade_product>professional</upgrade_product>
<pricing2021_new_product_name>professional</pricing2021_new_product_name>
<pricing2021_new_cost_price>x.xx</pricing2021_new_cost_price>
</license>
<license>
  <name>business</name>
  <display_name>Business</display_name>
  <key>WHMCS-xxxxxxxxxxxxxxxxxxxx</key>
  <validdomain>example4.com,www.example4.com</validdomain>
  <validip>127.0.0.1</validip>
  <validdirectory>/home/user/public</validdirectory>
  <nobranding>1</nobranding>
  <status>Active</status>
  <client_limit_status>okay</client_limit_status>
  <client_limit>unlimited</client_limit>
  <cost_price>x.xx</cost_price>
  <upgrade_required>0</upgrade_required>
  <upgrade_product></upgrade_product>
  <pricing2021_new_product_name>business50000</pricing2021_new_product_name>
  <pricing2021_new_cost_price>x.xx</pricing2021_new_cost_price>
</license>
</licenses>
</licenseapi>

```

Failed Sample Response

```

<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>listlicenses</action>
  <result>error</result>
  <message>Reseller Not Found</message>
</licenseapi>

```

Search Licenses

Allows you to search for a license key based on license key, domain or IP address.

Request Parameters

Parameter	Type	Description	Required
email	string	Your WHMCS Members Area Email Address	Yes
apikey	string	Your Reseller API Key	Yes
action	string	searchlicenses	Yes
licensekey	string	A license key to lookup - format: WHMCS-xxxxxxxxxx or Leased-xxxxxxxxxx	No
domain	string	A domain name to lookup - format: example.com	No
ipaddr	string	An ip address associated with a license - format: xxx.xxx.xxx.xxx	No

Response Parameters

Parameter	Type	Description
action	string	The action completed
result	string	success or error
licenses	array	License information (see License Information Parameters above)
message	string	API Error Response Message (if applicable)

Successful Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>searchlicenses</action>
  <result>success</result>
  <licenses>
    <license>
      <name>professional</name>
      <display_name>Professional</display_name>
      <key>WHMCS-xxxxxxxxxxxxxxxxxxxx</key>
      <validdomain>example1.com,www.example1.com</validdomain>
      <validip>127.0.0.1</validip>
      <validdirectory>/home/user/public</validdirectory>
      <nobranding>1</nobranding>
      <status>Suspended</status>
      <client_limit_status>okay</client_limit_status>
      <client_limit>1000</client_limit>
      <cost_price>x.xx</cost_price>
      <upgrade_required>0</upgrade_required>
      <upgrade_product>business</upgrade_product>
      <pricing2021_new_product_name></pricing2021_new_product_name>
      <pricing2021_new_cost_price></pricing2021_new_cost_price>
    </license>
  </licenses>
</licenseapi>
```

Failed Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>searchlicenses</action>
  <result>error</result>
  <message>Reseller Not Found</message>
</licenseapi>
```

Add License

Provisions a single new license key.

Request Parameters

Parameter	Type	Description	Required
email	string	Your WHMCS Members Area Email Address	Yes
apikey	string	Your Reseller API Key	Yes
action	string	addlicense	Yes
product	string	starter , plus , professional or business	Yes

Response Parameters

Parameter	Type	Description
action	string	The action completed
result	string	success or error
licensekey	string	The newly created license key
name	string	The newly created license key product name
message	string	API Error Response Message (if applicable)

Successful Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>addlicense</action>
  <result>success</result>
  <name>starter</name>
  <display_name>Starter</display_name>
  <licensekey>WHMCS-xxxxxxxxxxxxxxxxxxxx</licensekey>
</licenseapi>
```

Failed Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>addlicense</action>
  <result>error</result>
  <message>Reseller Not Found</message>
</licenseapi>
```

Order

Places an order for additional license keys.

Request Parameters

Parameter	Type	Description	Required
email	string	Your WHMCS Members Area Email Address	Yes
apikey	string	Your Reseller API Key	Yes
action	string	order	Yes
product	string	starter , plus , professional or business	Yes
quantity	integer	number of licenses to order. Accepted range 1-50.	Yes

Response Parameters

Parameter	Type	Description
action	string	The action completed
result	string	success or error
licenses	array	License information
message	string	API Error Response Message (if applicable)

Successful Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>order</action>
  <result>success</result>
  <licenses>
    <license>
      <name>starter</name>
      <display_name>Starter</display_name>
      <key>WHMCS-xxxxxxxxxxxxxxxxxxxx</key>
      <validdomain></validdomain>
      <validip></validip>
      <validdirectory></validdirectory>
      <nobranding>0</nobranding>
      <status>Active</status>
      <client_limit_status>okay</client_limit_status>
      <client_limit>250</client_limit>
      <cost_price>x.xx</cost_price>
      <upgrade_required>0</upgrade_required>
      <upgrade_product>professional</upgrade_product>
      <pricing2021_new_product_name></pricing2021_new_product_name>
      <pricing2021_new_cost_price></pricing2021_new_cost_price>
    </license>
    <license>
      <name>starter</name>
      <display_name>Starter</display_name>
      <key>WHMCS-xxxxxxxxxxxxxxxxxxxx</key>
      <validdomain></validdomain>
      <validip></validip>
      <validdirectory></validdirectory>
      <nobranding>0</nobranding>
      <status>Active</status>
      <client_limit_status>okay</client_limit_status>
      <client_limit>250</client_limit>
      <cost_price>x.xx</cost_price>
      <upgrade_required>0</upgrade_required>
      <upgrade_product>professional</upgrade_product>
      <pricing2021_new_product_name></pricing2021_new_product_name>
      <pricing2021_new_cost_price></pricing2021_new_cost_price>
    </license>
  </licenses>
</licenseapi>
```

Failed Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>order</action>
  <result>error</result>
  <message>Reseller Not Found</message>
</licenseapi>
```


Reissue License

Reissues a given license key ready to be installed to a new location.

Request Parameters

Parameter	Type	Description	Required
email	string	Your WHMCS Members Area Email Address	Yes
apikey	string	Your Reseller API Key	Yes
action	string	reissue	Yes
key	string	The license key to reissue	Yes

Response Parameters

Parameter	Type	Description
action	string	The action completed
result	string	success or error
message	string	API Error Response Message (if applicable)

Successful Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>reissue</action>
  <result>success</result>
</licenseapi>
```

Failed Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>reissue</action>
  <result>error</result>
  <message>Reseller Not Found</message>
</licenseapi>
```

Modify License

Modify a given license's allowed usage location. Only pass the values you wish to change. New values will overwrite any existing values.

Request Parameters

Parameter	Type	Description	Required
email	string	Your WHMCS Members Area Email Address	Yes
apikey	string	Your Reseller API Key	Yes
action	string	modify	Yes
key	string	The license key to modify	Yes
domain	string	The allowed domain to set for the license: domain.com or sub.domain.com	No
ipaddr	string	The allowed IP to set for the license	No
directory	string	The allowed directory to set for the license	No

Response Parameters

Parameter	Type	Description
action	string	The action completed
result	string	success or error
message	string	API Error Response Message (if applicable)

Successful Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>modify</action>
  <result>success</result>
</licenseapi>
```

Failed Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>modify</action>
  <result>error</result>
  <message>Reseller Not Found</message>
</licenseapi>
```

Cancel License

Cancels a given license key.

Request Parameters

Parameter	Type	Description	Required
email	string	Your WHMCS Members Area Email Address	Yes
apikey	string	Your Reseller API Key	Yes
action	string	cancel	Yes
key	string	The license key to be cancelled	Yes

Response Parameters

Parameter	Type	Description
action	string	The action completed
result	string	success or error
message	string	API Error Response Message (if applicable)

Successful Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>cancel</action>
  <result>success</result>
</licenseapi>
```

Failed Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>cancel</action>
  <result>error</result>
  <message>Reseller Not Found</message>
</licenseapi>
```

Upgrade License

Upgrade or downgrade a given license to a new product.

Request Parameters

Parameter	Type	Description	Required
email	string	Your WHMCS Members Area Email Address	Yes
apikey	string	Your Reseller API Key	Yes
action	string	upgrade	Yes
key	string	The license key to be upgraded	Yes
product	string	starter , plus , professional or business	No
next_available_tier NEW	boolean	Pass as true to upgrade to the next available tier. When provided, product can be omitted.	No

One of either product or next_available_tier=true is required.

Response Parameters

Parameter	Type	Description
action	string	The action completed
result	string	success or error
message	string	API Error Response Message (if applicable)

Successful Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>upgrade</action>
  <result>success</result>
</licenseapi>
```

Failed Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>upgrade</action>
  <result>error</result>
  <message>Reseller Not Found</message>
</licenseapi>
```

Downgrade License

This command is an alias of Upgrade License.

When the `next_available_tier` parameter is set to true, this will perform a downgrade to the next available tier.

Upgrade and Reissue

Upgrade or downgrade a given license to a new product and reissue it ready for installation to a new location.

Request Parameters

Parameter	Type	Description	Required
email	string	Your WHMCS Members Area Email Address	Yes
apikey	string	Your Reseller API Key	Yes
action	string	upgradeandreissue	Yes
key	string	The license key	Yes
product	string	starter , plus , professional or business	No
next_available_tier NEW	boolean	Pass as true to upgrade to the next available tier. When provided, product can be omitted.	No

One of either product or next_available_tier=true is required.

Response Parameters

Parameter	Type	Description
action	string	The action completed
result	string	success or error
message	string	API Error Response Message (if applicable)

Successful Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>upgradeandreissue</action>
  <result>success</result>
</licenseapi>
```

Failed Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>upgradeandreissue</action>
  <result>error</result>
  <message>Reseller Not Found</message>
</licenseapi>
```


Create Ticket

Create a support ticket with WHMCS.

Request Parameters

Parameter	Type	Description	Required
email	string	Your WHMCS Members Area Email Address	Yes
apikey	string	Your Reseller API Key	Yes
action	string	createticket	Yes
subject	string	The subject for the new ticket	Yes
message	string	The message for the new ticket	Yes

Response Parameters

Parameter	Type	Description
action	string	The action completed
result	string	success or error
ticketid	string	The ticket ID of the newly created ticket
message	string	API Error Response Message (if applicable)

Successful Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>createticket</action>
  <result>success</result>
  <ticketid>AAA-112233</ticketid>
</licenseapi>
```

Failed Sample Response

```
<?xml version="1.0" encoding="utf-8"?>
<licenseapi>
  <action>createticket</action>
  <result>error</result>
  <message>A subject is required</message>
</licenseapi>
```

Error Responses

The following list is a summary of all error responses you may receive from the API.

Error Response	Description
Missing Login Details	Email and API Key are required.
You must generate an API Key in the Reseller Portal	You must first generate an API Key via the Reseller Portal to use the Reseller V2 API.
Reseller Not Found	Invalid email and API Key supplied.
Not Authorized as a Reseller	The email address supplied is not registered for the reseller program.
Action Not Recognised	A missing or invalid action was supplied.
License Key Suspended Status	Certain actions may only be performed for licenses in Active status.
License Key Expired Status	Certain actions may only be performed for licenses in Active status.
Invalid Product Name. Must be one of: starter,plus,professional,business	An invalid product name was provided.
Quantity Required	When placing an order for additional licenses, a valid quantity is required. Minimum quantity is 1.
Maximum Quantity is 50	The maximum number of additional licenses that can be issued in a single order request is 50.
The new product must be different.	When performing an upgrade, the new product must be different.
New client limit (250) invalid for license	When perform an upgrade, the new product must have a client limit that is greater than the current client usage count for a given license.
Fault Error Code 20. Please contact support.	Indicates a configuration issue with your Reseller Account. Please contact support for assistance.
Fault Code 100: Please contact support.	Indicates an unexpected API Error Occurred. Please contact support for assistance.
A subject is required	A subject must be provided for the support ticket.

A message is required

Error Response

A message must be provided for the support ticket and must be at least 50 characters in length.

Description

Changelog

Version 3.0 - 26th May 2017

- Added GetAvailableProducts method
- Updated GetPricing to include new response elements containing prices for new license product types. New elements are `currentpricing` and `nextpricing`.
- Add additional license information response elements relating to client limits and usage to ListLicenses and SearchLicenses methods. New elements include: `name`, `display_name`, `client_limit_status`, `upgrade_required` and `upgrade_product`
- Update AddLicense command to accept a product name. Previous input parameters are supported for backwards compatibility.
- New: Order method that allows ordering a given quantity of additional licenses.
- New: Upgrade and Downgrade methods that allow upgrading a license product type.
- New: Upgrade and Reissue method that allow for modifying a licenses product and re-issuing ready for installation to a new location via a single call.

Version 3.1 - 25th February 2019

- Added CreateTicket method

Version 3.2 - 6th April 2021

- GetAvailableProducts
 - Added `client_limit` response parameter
- GetPricing
 - Added `business_tier_volume_discount_percentage` response parameter (will be present in responses from 1st July 2021)
- ListLicenses
 - Added `client_limit` response parameter
 - Added `cost_price` response parameter
 - Added temporary `pricing2021_new_product_name` response parameter (*will be returned only until 1st July 2021*)
 - Added temporary `pricing2021_new_cost_price` response parameter (*will be returned only until 1st July 2021*)
- UpgradeLicense/DowngradeLicense/UpgradeAndReissue
 - Added `next_available_tier` input parameter