

InterWorx License API Documentation

by InterWorx LLC

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Chapter 1

Introduction

The InterWorx License API can be used to manage your InterWorx licenses. Both SOAP and XmlRpc API interfaces are available. . A valid e-mail address and password for the InterWorx billing system at <https://my.interworx.com/> is required to login to the License API. Your account must be in good standing, and you must have an up-to-date credit card on file to order new licenses.

1.1 WSDL Location (SOAP)

The WSDL Schema is exposed at: <https://license-api.interworx.com:2443/soap?wsdl>

1.2 XmlRpc Point of Contact

The XmlRpc access url is: <https://license-api.interworx.com:2443/xmlrpc>

1.3 Web-based License Management Interface

A web-based interface to the API functions is also available at <https://license-api.interworx.com:2443/nodeworx>

Chapter 2

API Documentation and Examples

```
/*
 * Use your https://my.interworx.com/ login and password to authenticate
 * via the API
 */
$key = array( 'email' => 'you@yourdomain.com',
             'password' => 'billingpassword' );

/*
 * Alternately , you can provide an active SESSION_ID
 *
 * You can retrieve the session id by using the email / password
 * method and then calling the getSession action on the NodeWorx Index
 * controller .
 */
$key = array( 'sessionid' => '3c8ae9d982edd507428d8fdd53855a77' );

/*
 * All requests to the license API should be sent using the /nodeworx/license/api
 * controller
 */
$api_controller = '/nodeworx/license/api';

/*
 * You then specify an action you wish to perform.
 * The following actions are currently available.
 * order
 * bulkOrder
 * cancel
 * bulkCancel
 * changeIP
 * queryLicenses
 * queryLicenseCount
 * listPackagesAvailableForPurchase
 */

/* Here is an exmaple using listPackagesAvailableForPurchase */
$action = 'listPackagesAvailableForPurchase';
$input = array();
$params = array( 'apikey' => $key,
                'ctrl_name' => $api_controller ,
```

```

        'action'    => $action ,
        'input'    => $input );

// You can connect using XMLRPC, like this:
// NOTE: This example makes use of the Zend Framework's XMLRPC library.

$client = new Zend_XmlRpc_Client( 'https://license-api.interworx.com:2443/xmlrpc' );
$result = $client->call( 'iworx.route', $params );

// Or, you can use SOAP, like this:
// NOTE: if SOAP is missing, try 'yum install php-soap'

$client = new SoapClient( 'https://license-api.interworx.com:2443/soap?wsdl' );
$result = $client->route( $key, $api_controller, $action, $input );
if( $result['status'] == 0 ) {
    // success
    print_r( $result['payload'] );
} else {
    // failure
    print( 'Error: ' . $result['payload'] );
}

```

The above example will print out the types of licenses your account is allowed to purchase, for example:

```

Array
(
    [0] => Array
        (
            [value] => leased_1
            [display] => InterWorx-CP License (Leased) $XX.XX Monthly
        )

    [1] => Array
        (
            [value] => leased_3
            [display] => InterWorx-CP License (Leased) $XX.XX Quarterly
        )

    [2] => Array
        (
            [value] => leased_6
            [display] => InterWorx-CP License (Leased) $XXX.XX Semi Annually
        )

    [3] => Array
        (
            [value] => leased_12
            [display] => InterWorx-CP License (Leased) $XXX.XX Annually
        )

    [4] => Array
        (
            [value] => owned_1
            [display] => InterWorx-CP License (One-Time) $XXX.XX One-Time-Do-Not-Renew
        )
)

```

```
)
```

2.1 API Action: order

Using the above information, I could then place an order for one InterWorx license, billed monthly, like this:

```
$key = array( 'email' => 'you@yourdomain.com',
              'password' => 'billingpassword' );
$api_controller = '/nodeworx/license/api';
$action = 'order';

$input = array( 'license_type' => 'leased_1' );

$params = array( 'apikey' => $key,
                 'ctrl_name' => $api_controller,
                 'action' => $action,
                 'input' => $input );

$client = new SoapClient( 'https://license-api.interworx.com:2443/soap?wsdl' );
$result = $client->route( $key, $api_controller, $action, $input );

if( $result['status'] == 0 ) {
    echo $result['payload']; // prints "1 license ordered \nLICENSE_KEY_HERE"
} else {
    echo 'Error: ' . $result['payload'];
}
}
```

2.2 API Action: bulkOrder

Here's an example using bulkOrder.

```
$key = array( 'email' => 'you@yourdomain.com',
              'password' => 'billingpassword' );
$api_controller = '/nodeworx/license/api';
$action = 'bulkOrder';

// order 5 licenses leased monthly, and 3 "one time" owned licenses.
$input = array( 'quantity_leased_1' => 5,
               'quantity_owned_1' => 3 );

$params = array( 'apikey' => $key,
                 'ctrl_name' => $api_controller,
                 'action' => $action,
                 'input' => $input );

$client = new SoapClient( 'https://license-api.interworx.com:2443/soap?wsdl' );
$result = $client->route( $key, $api_controller, $action, $input );

if( $result['status'] == 0 ) {
    echo $result['payload'];
    // prints "8 licenses ordered \nLICENSE_KEY_HERE\nLICENSE_KEY2_HERE... etc "
}
```

```

} else {
    echo 'Error: ' . $result['payload'];
}

```

2.3 API Action: cancel

Here's how to cancel a license:

```

$key = array( 'email' => 'you@yourdomain.com',
             'password' => 'billingpassword' );
$api_controller = '/nodeworx/license/api';
$action = 'cancel';

$input = array( 'license_key' => 'INTERWORX_XXXXXXXX' );

$params = array( 'apikey' => $key,
                'ctrl_name' => $api_controller,
                'action' => $action,
                'input' => $input );

$client = new SoapClient( 'https://license-api.interworx.com:2443/soap?wsdl' );
$result = $client->route( $key, $api_controller, $action, $input );

if( $result['status'] == 0 ) {
    echo $result['payload']; // prints "1 license canceled"
} else {
    echo 'Error: ' . $result['payload'];
}

```

2.4 API Action: bulkCancel

Here's how to cancel more than one license at a time:

```

$key = array( 'email' => 'you@yourdomain.com',
             'password' => 'billingpassword' );
$api_controller = '/nodeworx/license/api';
$action = 'bulkCancel';

$input = array( 'license_key' => array( 'INTERWORX_XXX1', 'INTERWORX_XXX2', 'etc' ) );

$params = array( 'apikey' => $key,
                'ctrl_name' => $api_controller,
                'action' => $action,
                'input' => $input );

$client = new SoapClient( 'https://license-api.interworx.com:2443/soap?wsdl' );
$result = $client->route( $key, $api_controller, $action, $input );

if( $result['status'] == 0 ) {
    echo $result['payload']; // prints "X licenses canceled"
} else {

```

```
    echo 'Error: ' . $result['payload'];
}
```

2.5 API Action: changeIP

You can also use the API to change the IP bound to a license. Note that you do not need to do this for new licenses, only licenses that have already been bound to a server already at activation.

```
$key = array( 'email' => 'you@yourdomain.com',
             'password' => 'billingpassword' );
$api_controller = '/nodeworx/license/api';
$action = 'changeIP';

$input = array( 'license_key' => 'INTERWORX_XXXXXXXXX',
               'ip' => '123.123.123.123' );

$params = array( 'apikey' => $key,
                 'ctrl_name' => $api_controller,
                 'action' => $action,
                 'input' => $input );

$client = new SoapClient( 'https://license-api.interworx.com:2443/soap?wsdl' );
$result = $client->route( $key, $api_controller, $action, $input );

if( $result['status'] == 0 ) {
    echo $result['payload']; // prints "License IP changed"
} else {
    echo 'Error: ' . $result['payload'];
}
```

2.6 API Action: queryLicenses

You can also query licenses under your account.

```
$key = array( 'email' => 'you@yourdomain.com',
             'password' => 'billingpassword' );
$api_controller = '/nodeworx/license/api';
$action = 'queryLicenses';

// The default behavior, with no input, will return ALL licenses,
// including 'active', 'suspended', and 'canceled' licenses.
$input = array();

// You can query only active licenses like this
$input = array( 'status' => array( 'active' ) );

// You can query only leased licenses like this
$input = array( 'license_type' => array( 'leased' ) );
// 'owned' is another possibility here.

// You can also use this action to query for a specific license, like this
```



```

$input = array( 'key' => 'INTERWORX_XXXXXXXXX' );

// You can also query based on the IP address the licenses is bound to
$input = array( 'ip' => '123.123.123.123' );

$params = array( 'apikey'    => $key,
                 'ctrl_name' => $api_controller,
                 'action'    => $action,
                 'input'     => $input );

$client = new SoapClient( 'https://license-api.interworx.com:2443/soap?wsdl' );
$result = $client->route( $key, $api_controller, $action, $input );

if( $result['status'] == 0 ) {
    print_r $result['payload'];
} else {
    echo 'Error: ' . $result['payload'];
}

```

The result for one license would look like this:

```

Array
(
    [0] => Array
        (
            [license_key] => INTERWORX_XXXXXXXXX
            [package_name] => InterWorx-CP License (Leased)
            [status] => active
            [billing_cycle] => Monthly
            [start_date] => 2009-10-08
            [next_renew_date] => 2010-01-01
            [renewed_on] => 2009-12-1
            [ip] => 123.123.123.123
            [last_checkin] => 2009-12-15 15:41:02
            [license_status] => active
        )
)

```

2.7 API Action: queryLicenseCount

Finally, there is the queryLicenseCount action, which takes the same parameters with the same defaults as queryLicense, but just returns the number of licenses that match the query.

```

$key = array( 'email'    => 'you@yourdomain.com',
             'password' => 'billingpassword' );
$api_controller = '/nodeworx/license/api';
$action = 'queryLicenseCount';
// The default behavior, with no input, will return ALL licenses,
// including 'active', 'suspended', and 'canceled' licenses.
$input = array();
$params = array( 'apikey'    => $key,
                 'ctrl_name' => $api_controller,
                 'action'    => $action,
                 'input'     => $input );

$client = new SoapClient( 'https://license-api.interworx.com:2443/soap?wsdl' );

```

```
$result = $client->route( $key, $api_controller, $action, $input );

if( $result['status'] == 0 ) {
    echo $result['payload']; // prints "200" for example
} else {
    echo 'Error: ' . $result['payload'];
}
```