

# 5. Examples of API requests

After the initial installation, you need to write a script that will change user settings. The settings are changed using **HTTP** requests to the **ISP Go API**. The examples below use **curl** from the command line to generate requests.

```
# Adding and removing user IP
curl -X PUT -d "[\"192.168.5.1\"]" http://api.isp.com/users/aep/ip/
curl http://api.isp.com/users/aep/ip/
curl -X DELETE http://api.isp.com/users/aep/ip/
curl http://api.isp.com/users/aep/ip/
curl -X PUT -d "[\"192.168.5.1\"]" http://api.isp.com/users/aep/ip/

# Categories list in json format.
curl http://api.isp.com/categories/
curl http://api.isp.com/categorygroups/

# Global white list # Replacing the entire list
curl -X PUT -d '["magazine.com", "feed.com"]' http://api.isp.com/whitelist/
curl http://api.isp.com/whitelist/

# Add and remove one record at a time
curl -X POST -d '["magazine.com"]' http://api.isp.com/whitelist/
curl -X DELETE http://api.isp.com/whitelist/feed.com
curl http://api.isp.com/whitelist/

# Global black list works similarly
curl http://api.isp.com/blacklist/

# Filter configuring:
# Complete replacement of the list of blocked categories:
curl -X PUT -d '[3, 4, 5, 11]' http://api.isp.com/users/aep/filter/

# Add and remove one category at a time:
curl -X POST -d '[6]' http://api.isp.com/users/aep/filter/
curl -X DELETE http://api.isp.com/users/aep/filter/5
curl http://api.isp.com/users/aep/filter/
```

```
# black and white lists of users:
# complete replacement:
curl -X PUT -d '["dark.com", "orange.com", "red.com", "cyan.com"]'
http://api.isp.com/users/aep/blacklist/

# Add and remove one domain at a time:
curl -X POST -d '["antigreen.com"]' http://api.isp.com/users/aep/blacklist/
curl -X DELETE http://api.isp.com/users/aep/blacklist/orange.com
curl http://api.isp.com/users/aep/blacklist/

# White list works similarly
curl http://api.isp.com/users/aep/whitelist/
```

To enable the mode "Use the white list only" for a user you need to add a root domain to the black list:

```
curl -X POST -d '["-"]' http://api.isp.com/users/aep/blacklist/
```

To remove the root domain, use:

```
curl -X DELETE http://api.isp.com/users/aep/blacklist/-
```

There is a non-removable and non-editable whitelist with the highest priority, which is not accessible through any administration interface, which includes safedns.com addresses, antivirus update sites, Windows update sites, etc.

### An example of a PHP script for accessing the API

```
<?php
// The examples file requires PHP curl extension installed
// Address of the API server
$server = 'http://api.isp.com';
function api_request($url, $method = 'GET', $data = null) {
    $ch = curl_init($url);
    curl_setopt($ch, CURLOPT_HEADER, 0);
    curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);
```

```

    curl_setopt($ch, CURLOPT_CUSTOMREQUEST, $method);
    if (!is_null($data)) curl_setopt($ch, CURLOPT_POSTFIELDS, $data);
    $out = curl_exec($ch);

    $return_code = curl_getinfo($ch, CURLINFO_HTTP_CODE);

    switch ($return_code) {
        case 200:
            if (strlen($out)) return json_decode($out);
            else return "OK\rn";
            break;
        case 400:
            throw new Exception('Bad request');
            break;
        default: throw new Exception('Error');
    }
}
/*
User record is created automatically when trying
To record any information about the user
*/

// Add to a user with an identifier aep ip-address 192.168.5.1
print api_request($server."/users/aep/ip/", 'POST', '["192.168.5.1"]');

// Replace the list of ip-addresses of the user aep to 192.168.5.1, 192.168.5.2
print api_request($server."/users/aep/ip/", 'PUT', '["192.168.5.1", "192.168.5.2"]');

// Delete ip-addresses 192.168.5.1 from the list of addresses of the user aep
print api_request($server."/users/aep/ip/192.168.5.1", 'DELETE');

// Return a list of ip-addresses for the user aep
$result = api_request($server."/users/aep/ip/", 'GET');
var_dump($result);

// Delete the whole list of ip-addresses of the user aep
print api_request($server."/users/aep/ip/", 'DELETE');
?>

```

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