

Joker.com FAQ

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Examples

List domains of a customer

```
#!/usr/bin/perl
use LWP::UserAgent;
use Data::Dumper;

my $dmapiURL = "https://dmapi.joker.com/request";

my $ua = LWP::UserAgent-> new;

my $req = HTTP::Request->
new(GET => $dmapiURL.'/login?username='.shift().'&password='.shift());
my $res = $ua-> request($req);

unless ($res-> is_success) {
print "Failed: ", $res-> status_line, "n";
exit -1;
}

my $auth=$res-> as_string;
my $output;

if ($auth =~ /Auth-Sid:s*(w+)/ms) {
$req=HTTP::Request-> new(GET => $dmapiURL.'/query-domain-list?auth-sid= '.$1);
$res = $ua-> request($req);
if ($res-> is_success) {
$output=$res-> content;
}

else{
print "Failed: ", $res-> status_line, "n";
exit -2;
}
}

else {
print "Failed: Got no auth-id from DMAPi:n";
print $res-> content;
exit -3;
}

my @lines=split ("n",$output);
my $month=now + ("2M");
```

Perl

```
my %list;

my $p=0;
for my $line(@lines) {
  #Skip first line
  next unless $p or $line =~ /^s*$/;
  unless ($p) { $p=1; next};
  my ($fqdn,$exp)=split ("[ t]+",$line);
  $list{$fqdn}=$exp;
}

for (sort keys %list) {
  print "$_n";
}
```

Keywords: DMAPi, examples, code, perl

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Perl

List domains to expire next month

Needs:

Class::Date and Date::Parse from CPAN!

```
#!/usr/bin/perl
```

```
use LWP::UserAgent;
use Data::Dumper;
use Class::Date qw(:errors date localdate gmdate now -DateParse);

my $dmapiURL = "https://dmapi.joker.com/request";

my $ua = LWP::UserAgent-> new;
my $req = HTTP::Request->
new(GET => $dmapiURL. '/login?username='.shift(). '&password='.shift());
my $res = $ua-> request($req);

unless ($res-> is_success) {
print "Failed: ", $res-> status_line, "n";
exit -1;
}

my $auth=$res-> as_string;
my $output;

if ($auth =~ /Auth-Sid:s*(w+)/ms) {
$req=HTTP::Request-> new(GET => $dmapiURL. '/query-domain-list?auth-sid= '.$1);
$res = $ua-> request($req);

if ($res-> is_success) {
$output=$res-> content;
}
else {
print "Failed: ", $res-> status_line, "n";
exit -2;
}
}
else {
print "Failed: Got no auth-id from DMAPi:n";
print $res-> content;
exit -3;
}
```

Perl

```
my @lines=split ("n",$output);
my $month=now + ("2M");
my %list;

my $p=0;
for my $line(@lines) {
    #Skip first line
    next unless $p or $line =~ /^s*$/;
    unless ($p) { $p=1; next};
    my ($fqdn,$exp)=split ("[ t]+",$line);
    next unless localdate($exp) < $month;
    $list{$fqdn}=$exp;
}

for ( map {$_-> [0]}
    sort {
        $a-> [1] < => $b-> [1]
        ||
        $a-> [2] cmp $b-> [2]
    }
    map {[$_, localdate $list{$_},$_]}
    keys %list ) {
print "$_:".list{$_}."n";
}
```

Keywords: list domains expire

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Perl

Replace admin-c in multiple domains

```
#
# replace admin-c in multiple domains
#
#!/usr/bin/perl
use LWP::UserAgent;
use Data::Dumper;
my $ua = LWP::UserAgent->new;
my $req = HTTP::Request->new(GET => 'https://dmapi.joker.com/request/login?username='.shift().'&password='.shift());
my $res = $ua->request($req);
#--Admin-C :
my %ADMIN = ( de => 'CODE-12345' , org => 'CORG-12345', com => 'CCOM-12345', 'eu' => 'c12345' );
unless ($res->is_success) {
    print "Failed: ", $res->status_line, "\n";
    exit -1;
}
my $auth=$res->as_string;
my $output;
if ($auth =~ /Auth-Sid:\s*([a-z0-9]+)/m ) {
    $auth = $1;
} else {
    print "Failed: Got no auth-id from DMAPI:\n";
    print $res->content;
    exit -3;
}
while ( <DATA> ) {
    chomp;
    my $fqdn = $_;
    ## for 3rd level domains this must be changed!
    my ( $sld, $tld ) = split ( /\./ , $fqdn );
    my $admin = $ADMIN{ $tld };
    $req=HTTP::Request->new(GET => 'https://dmapi.joker.com/request/domain-modify?domain='.$fqdn.'&admin-c='.$admin.'&auth-sid='.$auth);
    $res = $ua->request($req);
    if ($res->is_success) {
        $output=$res->content;
        print $output;
    } else {
        print "Failed: ", $res->status_line, "\n";
        exit -2;
    }
}
```

Perl

```
}  
__DATA__  
domain1.de  
domain2.eu  
domain3.org  
domain4.com  
__END__
```

Keywords: DMAPi, examples, code, perl

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Perl

Read first - important for PHP examples

Please note that there is full DMAPI based interface written in PHP available. It is free to download and modify, and could be [downloaded from Sourceforge](#).

Please read more at section [Reseller Control Panel](#).

The published examples in PHP are parts of this project and are stripped in terms of functionality and error handling. It is strongly recommended to use the complete code base from Sourceforge.

Keywords: DMAPI, examples, code, php

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PHP

List domains of a customer

```
<?php

//sends HTTP request using CURL

function query_host($conn_server, $params = "", $get_header = false)
{
    $ch = curl_init();
    curl_setopt($ch, CURLOPT_URL, $conn_server.$params);
    if (preg_match("/^https:\\/\\/i", $conn_server)) {
        curl_setopt($ch, CURLOPT_SSL_VERIFYHOST, 0);
        curl_setopt($ch, CURLOPT_SSL_VERIFYPEER, 0);
    }

    curl_setopt($ch, CURLOPT_RETURNTRANSFER, 1);

    if ($get_header) {
        curl_setopt($ch, CURLOPT_HEADER, 1);
    }

    else {
        curl_setopt($ch, CURLOPT_HEADER, 0);
    }

    $result = curl_exec($ch);

    if (curl_errno($ch)) {
        print "curl error";
    }

    else {
        curl_close($ch);
    }

    return $result;
}

//builds query, sends request and gets the answer back

function execute_request($request, $params, &$sessid)
{
    //build the query
    $http_query = "/request/" . $request . "?" . $params . "&auth-sid"
    = ".$sessid."&client-ip=".$_SERVER["REMOTE_ADDR"];

```

PHP

```
//send the request
$raw_res = query_host("https://dmap.i.joker.com", $http_query, true
);
$temp_arr = @explode("\r\n\r\n", $raw_res, 2);
//split the response for further processing
if (is_array($temp_arr) && 2 == count($temp_arr)) {
    return $temp_arr[1];
}

else {
    return false;
}
}

//basic parsing of the DMAPi header

function parse_response_header($header)
{
    $raw_arr = explode("\n", trim($header));
    $result = array();
    if (is_array($raw_arr)) {
        foreach ($raw_arr as $key => $value)
        {
            $keyval = array();
            if (preg_match("/^([\s]+):\s+(.+)\s*$/", $value, $keyval)
) {
                $sarr[strtolower($keyval[1])] = $keyval[2];
            }

            else {
                print "Header line not parseable - pattern does not ma
tch\nRaw header:\n$value";
            }
        }
    }

    else {
        $sarr = "";
        print "Unidentified error\nRaw header:\n$header";
    }

    return $sarr;
}

//parses the reply from DMAPi into a header and body
function parse_response($res)
{
    $raw_arr = explode("\n\n", trim($res));
    $sarr_elements = count($raw_arr);
```

PHP

```
if ($arr_elements > 0) {
    $temp["response_header"] = parse_response_header($raw_arr["0"]
);
    $temp["response_body"] = $raw_arr["1"];
}

else {
    print "Couldn't split the response into response header and re
sponse body\nRaw result:\n$res";
    $temp = "";
}

return $temp;
}

$response = "";
$authid = "none";
//first obtaining an Auth-ID
$username = "<your username here>";
$password = "<your password here>";
$fields = "username=".urlencode($username)."&password=".urlencode($pas
sword);
$result = execute_request("login", $fields, $authid);
$result = parse_response($result);
$authid = $result["response_header"]["auth-sid"];
if (!$authid) {
    print "no auth-id was obtained - probably due to wrong username or
password";
    exit;
}

//now asking for the domain list
$pattern = "*";
$fields = "pattern=".urlencode($pattern);
$result = execute_request("query-domain-list", $fields, $authid);
$result = parse_response($result);

print_r($result["response_header"]);
print "< br /> ";
print_r($result["response_body"]);
```

PHP

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PHP

Intro

Python is easy to use with DMAPI. Our examples are tested with python 2.7 on Linux, but should work on all platforms.

Running the [Python example](#) will look like:

```
$ ./dmapi-example.py
Request-URL: https://dmapi.ote.joker.com/request/login
Login: Status-Code: 0

Request-URL: https://dmapi.ote.joker.com/request/query-domain-list
Domain List: Status-Code: 0

  expiration_date: 2018-06-30
  domain: another-privacy-test.com

  expiration_date: 2020-06-30
  domain: another-privacy-test.net

Request-URL: https://dmapi.ote.joker.com/request/logout
Logout: Status-Code: 0
```

Keywords: DMAPI, examples, code, python

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Python

Login and list your domains

```
#!/usr/bin/env python
import requests

dmapiURL = 'https://dmapi.ote.joker.com'
dmapiUser = 'username'
dmapiPassword = 'password'

def main():
    loginResponse = login(dmapiUser, dmapiPassword)
    print "Login: Status-Code:", loginResponse.header['Status-Code']
    if loginResponse.header['Status-Code'] != '0':
        print loginResponse.header['Status-Text']
        return

    sessionId = loginResponse.header['Auth-Sid'];
    print ""
    domainResponse = domainList(sessionId, 1, 5)
    print "Domain List: Status-Code:", domainResponse.header['Status-Code']
    domains = domainResponse.resultListWithNames()
    for domain in domains:
        for key, value in domain.iteritems():
            print " %s: %s" % (key, value)
        print ""
    logoutResponse = logout(sessionId)
    print "Logout: Status-Code:", logoutResponse.header['Status-Code']

# implement dmapi commands as functions
def login(username, password):
    parameters = { 'username': username, 'password': password }
    message = sendCommand('login', parameters)
    return message;

def logout(sessionId):
    parameters = { 'auth-sid': sessionId }
    message = sendCommand('logout', parameters)
    return message;

def domainList(sessionId, list_from=1, list_to=""):
    parameters = { 'auth-sid': sessionId , 'from': list_from, 'to': list_to }
    message = sendCommand('query-domain-list', parameters)
    return message;

# general dmapi command call
```

Python

```
def sendCommand(command,parameter={}):
    try:
        url = dmapiURL+'/request/'+command
        print "Request-URL: ", url
        response = requests.get(url, params=parameter)
        # print URL with parameters for debugging purposes
        # print "Request-URL: ", response.url
        if response.status_code != requests.codes.ok:
            raise CommandError("Command Failed! HTTP Status Code: %s" % r
esponse.status_code)
        return DmapiResponse(response.text)
    except requests.ConnectionError as e:
        raise CommandError("Connection Error: %s" % str(e))
    except requests.HTTPError as e:
        raise CommandError("Http Error: %s" % str(e))
    except CommandError as e:
        raise
    except Exception as e:
        raise CommandError("Unexpected Error: %s" % str(e))

class DmapiResponse():
    def __init__(self,responseBody):
        parts = responseBody.split("\n\n",1)
        if len(parts)>0:
            self.header = self.__parseKeyValueList(parts[0])
        if len(parts)>1:
            self.body = parts[1]

    def __parseKeyValueList(self,text):
        lines = text.split("\n")
        keyValueList = {}
        for line in lines:
            keyValue = line.split(' ',1)
            key = keyValue[0].rstrip(':')
            value = keyValue[1]
            keyValueList[key] = value
        return keyValueList

    def __getSeparator(self):
        if self.header.has_key('Separator') and self.header['Separator
'] == 'TAB':
            return "\t"
        else:
            return " "

    def resultList(self):
        lines = self.body.split("\n")
        resultList = []
        separator = self.__getSeparator()
```

Python

```
for line in lines:
    values = line.split(separator)
    resultList.append(line.split(separator))
return resultList

def resultListWithNames(self):
    columnNames = self.resultListColumns()
    resultList = []
    if len(columnNames) > 0:
        rawList = self.resultList()
        resultList = []
        for row in rawList:
            columns = {}
            for idx, column in enumerate(row):
                columns[columnNames[idx]] = column
            resultList.append(columns)
    return resultList

def resultListColumns(self):
    if self.header.has_key('Columns'):
        columnsText = self.header['Columns']
        columns = columnsText.split(',')
        return columns
    else:
        return []

def resultValues(self):
    return self.__parseKeyValueList(self.body)

class CommandError(Exception):
    def __init__(self, value):
        self.value = value
    def __str__(self):
        return repr(self.value)

# call main function
try:
    main()
except CommandError as e:
    print "Error:", str(e).strip("'")
```

Keywords: DMAPI, examples, code, python

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Python

C# / .NET Demonstration /w Code

Applications for domain management with DMAPI are very easy to create using MS Visual Studio. This example code logs into the Joker.com system using DMAPI requests.

It provides a domain listing, whois lookup and "Email verification".

This has been tested using Visual Studio 2008 and 2010, but should work with any version, and also with free Visual Studio Express and .NET versions from 3.5 onwards. Please find the source code as an attachment below.

We also provide this as a windows binary to try without the need of building it before. In case you run Windows 10 with "Smartscreen", you have to click on "more information" to execute this, since this binray of course is not signed by a "manufacturer"...

This is how this will look like:

C#

The screenshot shows a web application window titled "DMAPI Example". The interface is divided into several sections:

- Login:** Contains input fields for "Username" and "Password", and buttons for "Login" and "Logout".
- Status:** Contains input fields for "DMAPI-Version" and "Account-Balance", and a section for "Available TLDs" which is currently empty.
- Domain-List (Double click for whois):** A table with columns for "Domain", "Expiration", and "Status". The table is currently empty.
- Verification:** Contains input fields for "Key" and "Email", and buttons for "Details", "Verify", and "Resend".
- Buttons:** At the bottom left, there are buttons for "Result List" and "Verification Email List".

Keywords: DMAPI, examples, code, c#, .NET

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C#