DENIC Toolkit Reference

API Reference for the DENIC Toolkit

Version 1.0
December 11, 2004
COPYRIGHT NOTIFICATION

Copyright © 2004. All rights reserved.

DISCLAIMER AND LIMITATION OF LIABILITY

We made efforts to ensure the accuracy and completeness of all information in this document. However, we make no warranties of any kind (whether express, implied or statutory) with respect to the information herein. We assume no liability to any party for loss or damage (whether direct or indirect) caused by any errors, omissions or statements of any kind contained in this document. Further, we assume no liability arising from the application or use of the product or service described herein and specifically disclaims any representation that the products or services described herein do not infringe upon any existing or future intellectual property rights. Nothing herein grants the reader any license to make, use, or sell equipment or products constructed in accordance with this document. Finally, all rights and privileges related to any intellectual property right described herein are vested in the patent, trademark, or service mark owner, and no other person may exercise such rights without express permission, authority, or license secured from the patent, trademark, or service mark owner.

We reserve the right to make changes to any information herein without further notice.

NOTICE AND CAUTION concerning Patent or Trademark Rights

The inclusion in this document, the associated on-line file, or the associated software of any information covered by any patent, trademark, or service mark rights shall not constitute nor imply a grant of, or authority to exercise, any right or privilege protected by such patent, trademark, or service mark. All such rights and privileges are vested in the patent, trademark, or service mark owner, and no other person may exercise such rights without express permission, authority, or license secured from the patent, trademark, or service mark owner.

This publication was created using OpenOffice.org by Sun Microsystems Inc.

DENIC Toolkit Reference
Version 1.0
# TABLE OF CONTENTS

1. Introduction ............................................................................................................................... 4
2. Commands ..................................................................................................................................... 5
   2.1 QueryDomainData .................................................................................................................. 6
   2.2 QueryMember ........................................................................................................................ 8
1. Introduction

This manual describes the API commands for DENIC Toolkit.

The API itself is not object orientated, but object related and can be encapsulated into any OO language without much hassle.

If there are any errors or missing topics, please don't hesitate to contact us.
2. Commands

All DENIC Toolkit Commands (e.g. query domain data or member information) are sent directly to the DENIC Toolkit:

http://BASE-URL/toolkit/denic.cgi?
2.1 QueryDomainData

**Description**
Query domain data.

**Availability**
This method is available for all .DE domains

**Input Parameters**
submit the request using the following syntax:

```
http://BASE-URL/toolkit/denic.cgi?s_login=reseller.de&s_pw=secret&command=command
&parameter1=value1&parameter2=value2&parameter3=value3...
```

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Obligation</th>
<th>Definition</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>s_login</td>
<td>required</td>
<td>Login ID of the user account</td>
<td>TEXT</td>
</tr>
<tr>
<td>s_pw</td>
<td>required</td>
<td>Account password</td>
<td>TEXT</td>
</tr>
<tr>
<td>s_user</td>
<td>optional</td>
<td>User ID of the user as which the command shall be executed (must be a subuser of s_login)</td>
<td>TEXT</td>
</tr>
<tr>
<td>command</td>
<td>required</td>
<td>Name of command to be executed</td>
<td>TEXT</td>
</tr>
<tr>
<td>domain</td>
<td>required</td>
<td>domain name (only .DE)</td>
<td>TEXT</td>
</tr>
</tbody>
</table>

**Returned Properties and Values**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Command completed successfully</td>
</tr>
<tr>
<td>530</td>
<td>Authentication failed</td>
</tr>
<tr>
<td>541</td>
<td>The command failed</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHOIS</td>
<td>Output of the DENIC whois service</td>
</tr>
</tbody>
</table>
Example

The following request queries the domain data for testdomain.de:

```
http://BASE-URL/toolkit/denic.cgi?s_login=reseller.de&s_pw=secret&command=QueryDomainData&domain=testdomain.de
```

The response is as follows:

```
[RESPONSE]
PROPERTY[WHOIS][0]=% Copyright (c)2004 by DENIC
PROPERTY[WHOIS][1]=% Version: 1.00.0
PROPERTY[WHOIS][2]=% Restricted rights.
PROPERTY[WHOIS][4]=%
PROPERTY[WHOIS][5]=%
PROPERTY[WHOIS][6]=% Except for agreed Internet operational purposes, no part of this
PROPERTY[WHOIS][7]=% information may be reproduced, stored in a retrieval system, or
PROPERTY[WHOIS][8]=% transmitted, in any form or by any means, electronic,
property[WHOIS][9]=% mechanical,
PROPERTY[WHOIS][10]=% recording, or otherwise, without prior permission of the DENIC
PROPERTY[WHOIS][11]=% on behalf of itself and/or the copyright holders. Any use of
PROPERTY[WHOIS][12]=% this material to target advertising or similar activities are
PROPERTY[WHOIS][13]=% explicitly
PROPERTY[WHOIS][14]=% forbidden and will be prosecuted. The DENIC requests to be
PROPERTY[WHOIS][15]=% notified
PROPERTY[WHOIS][16]=%
PROPERTY[WHOIS][17]=domain: testdomain.de
PROPERTY[WHOIS][18]=domain-ace: testdomain.de
PROPERTY[WHOIS][19]=descr: John Doe
PROPERTY[WHOIS][20]=descr: ACME
PROPERTY[WHOIS][21]=descr: Teststrasse 27
PROPERTY[WHOIS][22]=descr: 12345 Testhausen
PROPERTY[WHOIS][23]=descr: DE
PROPERTY[WHOIS][24]=nserver: ns1.nameserver.net
PROPERTY[WHOIS][25]=nserver: ns2.nameserver.net
PROPERTY[WHOIS][26]=nserver: ns3.nameserver.net
PROPERTY[WHOIS][27]=status: connect
PROPERTY[WHOIS][28]=prov-id: DENIC-225
PROPERTY[WHOIS][30]=source: DENIC
PROPERTY[WHOIS][31]=
PROPERTY[WHOIS][32]=|admin-c| |tech-c| |zone-c|
PROPERTY[WHOIS][33]=DENIC-Handle: DENIC-225-KS1647381250
PROPERTY[WHOIS][34]=Type: PERSON
PROPERTY[WHOIS][35]=Name: John Doe
PROPERTY[WHOIS][36]=Address: ACME
PROPERTY[WHOIS][37]=Address: Teststrasse 27
PROPERTY[WHOIS][38]=City: Testhausen
PROPERTY[WHOIS][39]=Pcode: 12345
PROPERTY[WHOIS][40]=Country: DE
PROPERTY[WHOIS][41]=Phone: +49-1234-567890
PROPERTY[WHOIS][42]=Fax: +49-1234-567899
PROPERTY[WHOIS][43]=Email: admin@testdomain.de
PROPERTY[WHOIS][45]=source: DENIC
DESCRIPTION=Command completed successfully
CODE=200
```

EOF
2.2 QueryMember

Description
Query DENIC member.

Input Parameters
submit the request using the following syntax:

```
http://BASE-URL/toolkit/denic.cgi? s_login=reseller.de&s_pw=secret&command=command&
parameter1=value1&parameter2=value2&parameter3=value3...
```

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Obligation</th>
<th>Definition</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>s_login</td>
<td>required</td>
<td>Login ID of the user account</td>
<td>TEXT</td>
</tr>
<tr>
<td>s_pw</td>
<td>required</td>
<td>Account password</td>
<td>TEXT</td>
</tr>
<tr>
<td>s_user</td>
<td>optional</td>
<td>User ID of the user as which the command shall be executed (must be a subuser of s_login)</td>
<td>TEXT</td>
</tr>
<tr>
<td>command</td>
<td>required</td>
<td>Name of command to be executed</td>
<td>TEXT</td>
</tr>
<tr>
<td>member</td>
<td>required</td>
<td>MemberID of the DENIC member (e.g. DENIC-xyz)</td>
<td>TEXT</td>
</tr>
</tbody>
</table>

Returned Properties and Values

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>200</td>
<td>Command completed successfully</td>
</tr>
<tr>
<td>530</td>
<td>Authentication failed</td>
</tr>
<tr>
<td>541</td>
<td>The command failed</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WHOIS</td>
<td>Output of the DENIC whois service</td>
</tr>
</tbody>
</table>