

DENIC Toolkit Reference

API Reference for the DENIC Toolkit

Version 1.0
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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 alle .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...
```

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

Returned Properties and Values

Code	Description
200	Command completed successfully
530	Authentication failed
541	The command failed

Property	Description
WHOIS	Output of the DENIC whois service

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]=%
PROPERTY[WHOIS][3]=% 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,
mechanical,
PROPERTY[WHOIS][9]=% recording, or otherwise, without prior permission of the DENIC
PROPERTY[WHOIS][10]=% on behalf of itself and/or the copyright holders. Any use of
this
PROPERTY[WHOIS][11]=% material to target advertising or similar activities are
explicitly
PROPERTY[WHOIS][12]=% forbidden and will be prosecuted. The DENIC requests to be
notified
PROPERTY[WHOIS][13]=% of any such activities or suspicions thereof.
PROPERTY[WHOIS][14]=%
PROPERTY[WHOIS][15]=% [Prov-ID: DENIC-225] [Timestamp: 2004-07-10T18:47:28+0200]
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][29]=changed:    2004-05-27T14:11:25+0200
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][44]=Changed:    2004-05-27T13:26:12+0200
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...
```

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

Returned Properties and Values

Code	Description
200	Command completed successfully
530	Authentication failed
541	The command failed

Property	Description
WHOIS	Output of the DENIC whois service