

Domain Data Import

To import domains and other objects in our system comfortably and without problems, you have to deliver the domain data in the following XML format. The encoding has to be UTF-8.

Table of Contents

- 1 [Introduction](#)
- 2 [Explanation of the XML-Keys](#)
 - 2.1 [The <import> Key](#)
 - 2.2 [The <owner> Block](#)
 - 2.3 [The <domain> Block](#)
 - 2.4 [The <user > Block](#)
 - 2.5 [The <transfer_in > Block](#)
 - 2.6 [The <transfer_out> Block](#)
 - 2.7 [The <cancelations> Block](#)
 - 2.8 [The <contact> Block](#)
- 3 [Addendum](#)
 - 3.1 [Example XML-Code](#)
 - 3.2 [The Formats](#)

Introduction

In the following we show you the valid XMLformat for all objects, which can be imported:

- Domain Objects
- User Objects
- Transfer-in Objects
- Transfer-out-Objects
- Cancelation-Objects
- Contact-Objects

Explanation of the XML-Keys

The <import> Key

All objects, you want to import, have to be enclosed by the <import> key.

Example-Code <import>-Key:

```

<?xml version='1.0' encoding='utf-8' ?>
<import>
<owner></owner>
<domain></domain>
<domain></domain>
...
<user> </user>
<user> </user>
...
<transfer-in> </transfer_in>
<transfer-in> </transfer_in>
...
<transfer-out> </transfer-out>
<transfer-out> </transfer-out>
...
<cancelation> </cancelation>
<cancelation> </cancelation>
...
<contact> </contact>
<contact> </contact>
...
</import>

```

The <owner> Block

This is the global owner block. If an object includes an own <owner> block, it will overwrite this global one.

Example-Code <owner> Block:

```

<owner>
<user></user>
<context></context>
</owner>

```

Key	Occurs	Format	Description
owner	1	string	Owner of the objects
owner / user	1	string	User name and context:
owner/ context	1	string	all objects will be imported with, if not individually overwritten.

The <domain> Block

Example-Code <domain> Block:

```

<domain>
<owner>
<user></user>
<context></context>
</owner>
<name>example.com</name>
<authinfo>jhretu45t</authinfo>
<registry_status>ACTIVE<registry_status>
<nserver>
<name>ns1.example.com</name>
<ip>127.0.0.1</ip>
</nserver>
<nserver>
<name>ns2.example.net</name>
</nserver>
<domain_create>1995-12-31</domain_create>
<domain_expire>2009-12-31</domain_expire>
<ownerc>4123424</ownerc>
<adminc>4352436</adminc>
<techc>524514</techc>
<zonec>234325</zonec>
</domain>

```

Key	Occurs	Format	Description
domain	1 - n		
domain / owner	0 - 1		Owner of the domain (overwrites globalblock)
domain / owner / user	1	string	User name
domain / owner / context	1	string	User context
domain / name	1	string	Domain name
domain / authinfo	0 – 1*	string	AuthInfo for the domain
domain / registry_status	0 – 1*	enum	<p>Sets status of domain.</p> <ul style="list-style-type: none"> • Lock = The domain is protected against updates and transfer • Hold = the domain is registered but not connected (Example: resellers can set this status e.g. if a client did not pay.) • Hold-Lock = the domain ist registered but not connected; it's also protected against transfer.
			<ul style="list-style-type: none"> • Active = Domain will be unlocked

domain / nserver	1 - 8 *		
domain / nserver / name	1	string	Name of the name server (host name format)
domain / nserver / ip	0 - 1 *	ip	Name server IP only for GLUE records; for GLUE records its mandatory.
domain / nsentry	0 - 5 *	string	Nsentry can only be provided for .DE; if nsentry is used, nserver is not allowed.
domain / domain_create	1	date time	The creation date of the domain
domain / domain_expire	1	date time	The expire date of the domain
domain / owncrc	1	contact-id	Owner contact (ID of contact)
domain / adminc	0 - 1 *	contact-id	Administrative contact (ID of contact)
domain / techc	0 - 1 *	contact-id	Technical contact (ID of contact)
domain / zonec	0 - 1 *	contact-id	Zone administrator (ID of contact)

The <user > Block

Example-Code <user> Block:

```

<user>
<user></user>
<context></context>
<owner>
<user></user>
<context></context>
</owner>
<email>email@example.com</email>
<password>jhretu45t</password>
<language>en</language>
</user>

```

Key	Occurs	Format	Description
user	1 - n		
user / user	1	string	Name of the user

user / context	1	string	Context of the user
user / owner	1		Parent (overwrites global block)
user / owner / user	1	string	Name of the parent
user / owner / context	1	string	Context of the parent
user/ email	1	string	Email address of the user
user / password	1	string	Password of the user
user / language	0 - 1	enum	Language of the interface and the system messages <ul style="list-style-type: none"> • de • en Default: de, if not specified

The <transfer_in > Block

Example-Code <transfer_in>:

```

<transfer_in>
<owner>
<user></user>
<context></context>
</owner>
<domain>example.com</domain>
<authinfo>jhretu45t</authinfo>
<nserver>
<name>ns1.example.com</name>
<ip>127.0.0.1</ip>
</nserver>
<nserver>
<name>ns2.example.net</name>
</nserver>
<start_date>2008_08_15</start_date>
<ownerc>4123424</ownerc>
<adminc>4352436</adminc>
<techc>524514</techc>
<zonec>234325</zonec>
</transfer_in>

```

Key	Occurs	Format	Description
transfer_in	0 - n		
transfer_in / owner	0 - 1		Owner of the domain
transfer_in / owner / user	1	string	User name and context of the target domain optional

transfer_in / owner/ context	1	string	
transfer_in / domain	1	string	Domain name
transfer_in / authinfo	0 - 1 *	string	AuthInfo for the domain
transfer_in / nserver	1 - 8 *		
transfer_in / nserver / name	1	string	Name of the name server (host name format)
transfer_in / nserver / ip	0 - 1 *	ip	Name server IP only for GLUE records; here it is mandatory
transfer_in / nsendy	0 - 5 *	string	Nsendy can only be provided for .de; if nsendy is used, nserver is not allowed.
transfer_in / start_date	1	date time	Start date of the transfer
transfer_in / ownerc	1	contact- id	Owner contact (ID of contact)
transfer_in / adminc	0 - 1 *	contact- id	Administrative contact (ID of contact)
transfer_in / techc	0 - 1 *	contact- id	Technical contact (ID of contact)
transfer_in / zonec	0 - 1 *	contact- id	Zone administrator (ID of contact)

The <transfer_out> Block

Transfer out objects are running transfer outs. Of course, the domain objects, the transfer outs refer to, have to exist.

Example-Code <transfer_out>:

```
<transfer_out>
<domain>domainname.tld</domain>
<start_date>2008-08_15</start_date>
<end_date>2008-08_20</end_date>
</transfer_out>
```

Key	Occurs	Format	Description
-----	--------	--------	-------------

transfer_out	0 – n		
transfer_out / domain	1	string	The domain name. It refers to respective domain name block.
transfer_out / start_date	1	date time	The start date of the transfer
transfer_out / end_date	1	date time	The end date of the transfer

The <cancelations> Block

Cancelations objects are running cancelations. Of course, the domain objects, the cancelations refer to, have to exist.

Example-Code <cancelations>:

```
<cancelations>
<domain>domainname.tld</domain>
<type>delete</type>
<execdate>2009-01-01</execdate>
<disconnect>1</disconnect>
<gaining_registrar>all</gaining_registrar>
</cancelations>
```

Key	Occurs	Format	Description
cancelations	0 - n		
cancelations / domain	1	string	The domain name. It refers to respective domain name block.
cancelations / type	1	enum	The type of cancelation Values are: <ul style="list-style-type: none"> • delete • preack • transit
cancelations / execdate	1	string	The execution date of the cancelation Values are: <ul style="list-style-type: none"> • date; format YYYY-MM-DD • expire

cancelations / disconnect	0 - 1	enum	<p>Specifies if the domain should be disconnected.</p> <ul style="list-style-type: none"> • 0 = no • 1 = disconnection <p>Only for transit. In this case it is required, occurs = 1.</p>
cancelations / gaining_registrar	0 - 1	string	<p>The registrar, the domain will be transferred to.</p> <p>Values are:</p> <ul style="list-style-type: none"> • all • the specific registrar tag (e.g. DENIC-104, INTERNETX-DE) <p>Only for preack. In this case it is required, occurs = 1.</p> <p>Only for .de and .uk</p>

The <contact> Block

Example-Code <contact>:

```

<contact>
<id>3123123</id>
<owner>
<user></user>
<context></context>
</owner>
<fname>firstname</fname>
<lname>lastname</lname>
<organization>organization GmbH</organization>
<title>Dr.</title>
<type>PERSON</type>
<protection>A</protection>
<address>address line 1</address>
<address>address line 2</address>
<address>address line 3</address>
<pcode>postal code</pcode>
<city>city</city>
<country>country</country>
<state>state</state>
<email>email@example.com</email>
<phone>+49-123-123</phone>
<fax>+49-123-124</fax>
<remarks>free text 1</remarks>
<remarks>free text 2</remarks>
<nic_handle>
<tld>de</tld>
<type>all </type>
<ref>DENIC-104-34354</ref>
</nic_handle>
<nic_handle>
</nic_handle>
</contact>

```


Key	Occurs	Format	Description
contact	1 - n		
contact / id	1	any (numeric recommended)	Reference number, used by the contacts in the objects.
contact / owner	0 - 1		Owner of the domain
contact / owner / user	1	string	User name and context of the target domain optional
contact / owner / context	1	string	
contact / fname	1	string	First name
contact / lname	1	string	Last name
contact / organization	0 - 1	string	Organization
contact / title	0 - 1	string	Title
contact / type	0 - 1	enum	<p>The contact type Values are:</p> <ul style="list-style-type: none"> • PERSON • ORG • ROLE <p>Default is PERSON.</p>
contact / protection	1	enum	<p>Data, to be displayed in the whois.</p> <ul style="list-style-type: none"> • A: all (default) • B: Some data will not be displayed in whois. (Referring to registry)
contact / address	1 - n	string	Street
contact / pcode	1	string	Postal code
contact / city	1	string	City
contact / country	1	cc	Country (ISO 3166 Country Code)
contact / state	0 - 1	string	State
contact / email	0 - 1 *)	email	Email address

contact / phone	0 - 1 *)	phone	Telephone number format: +49-123-123
contact / fax	0 - 1 *)	phone	Fax number format: +49-123-123
contact / remarks	0 - n	string	Remarks
contact / nic_handle	0 - n		The NIC handle
contact / nic_handle / tld	1	tld	The top level domain, lower case, see http://www.iana.org/domains/root/db/
contact / nic_handle / type	1	enum	The handle type . Values are: <ul style="list-style-type: none"> • all • ownerc • adminc • techc • zonec It depends on the registry which type is permitted.
contact / nic_handle / ref	1	string	The NIC handle

*) Depends on the registry

Handle Extensions:

Key	Occurs	Format	Description
contact / extension / gender	0 - 1 *)	enum	gender <ul style="list-style-type: none"> • "" default • M • F
contact / extension / domicile_address	0 - 1 *)	string	Domicile address, street (only .nl)
contact / extension / domicile_pcode	0 - 1 *)	string	Domicile address, postal code (only .nl)
contact / extension / domicile_city	0 - 1 *)	string	Domicile address, town (only .nl)

contact / extension / domicile_housenr	0 - 1)	string	Domicile address, house number (only .nl)
contact / extension / domicile_housenr_ext	0 - 1)	string	Domicile address, house number extension (only .nl)
contact / extension / travel_uin	0 - 1)	string	Travel Unique Identifying Number (only .travel)
contact / extension / idnumber	0 - 1)	string	Identification number of the personal id card
contact / extension / vatnumber	0 - 1)	string	Vat number
contact / extension / trademark_name	0 - 1)	string	Trademark name
contact / contact / extension / trademark_number	0 - 1)	string	Trademark number
contact / extension / trademark_country	0 - 1)	cc	Country, where the trademark is valid (ISO 3166 Country Code)
contact / extension / trademark_regdate	0 - 1)	string	Registration date of the trademark
contact / extension / trademark_appdate	0 - 1)	date	Application date of the trademark (YYYY-MM-DD)
contact / extension / companynumber	0 - 1)	string	Company number
contact / extension / birthday	0 - 1)	date	Date of birth (YYYY-MM-DD)
contact / extension / birthplace	0 - 1)	string	Place of birth
contact / extension / birthcountry		cc	Country of birth (ISO 3166 Country Code)
contact / extension / cat_ens_auth_id	0 - 1)	string	Catalan authentication ID (only .cat)
contact / extension / cat_ens_key	0 - 1)	string	ENS key (only .cat)
contact / extension / cat_intended_use	0 - 1)	string	Description of the intended use of the domain (only .cat).
contact / extension / aero_ens_auth_id	0 - 1)	string	Aviation authentication ID (only .aero)
contact / extension / aero_ens_key	0 - 1)	string	ENS key (only .aero)

***) Depends on the registry**

Addendum

Example XML-Code

```
<domain>
<owner>
<user></user>
<context></context>
</owner>
<name>example.com</name>
<authinfo>jhretu45t</authinfo>
<registry_status>ACTIVE<registry_status>
<nserver>
<name>ns1.example.com</name>
<ip>127.0.0.1</ip>
</nserver>
<nserver>
<name>ns2.example.net</name>
</nserver>
<domain_create>1995-12-31</domain_create>
<domain_expire>2009-12-31</domain_expire>
<ownerc>4123424</ownerc>
<adminc>4352436</adminc>
<techc>524514</techc>
<zonec>234325</zonec>
</domain>
<domain>
<!--
...further blocks
-->
</domain>
<user>
<user></user>
<context></context>
<owner>
<user></user>
<context></context>
</owner>
<email>email@example.com</email>
<password>jhretu45t</password>
<language>en</language>
</user>
<user>
<!--
...further blocks
-->
</user>

<transfer_in>
<owner>
<user></user>
<context></context>
</owner>
<domain>example.com</domain>
<authinfo>jhretu45t</authinfo>
<nserver>
<name>ns1.example.com</name>
<ip>127.0.0.1</ip>
</nserver>
<nserver>
<name>ns2.example.net</name>
</nserver>
<start_date>2008_08_15</start_date>
```

```
<ownerc>4123424</ownerc>
<adminc>4352436</adminc>
<techc>524514</techc>
<zonec>234325</zonec>
</transfer_in>
<transfer_in>
<!--
...further blocks
-->
</transfer_in>
<transfer_out>
<domain>domainname.tld</domain>
<start_date>2008-08_15</start_date>
<end_date>2008-08_20</end_date>
</transfer_out>
<transfer_out>
<!--
...further blocks
-->
</transfer_out>
<cancelations>
<domain>domainname.tld</domain>
<type>delete</type>
<execdate>2009-01-01</execdate>
<disconnect>1</disconnect>
<gaining_registrar>all</gaining_registrar>
</cancelations>
<cancelations>
<!--
...further blocks
-->
</cancelations>
<contact>
<id>3123123</id>
<owner>
<user></user>
<context></context>
</owner>
<fname>firstname</fname>
<lname>lastname</lname>
<organization>organization GmbH</organization>
<title>Dr.</title>
<type>PERSON</type>
<protection>A</protection>
<address>address line 1</address>
<address>address line 2</address>
<address>address line 3</address>
<pcode>postal code</pcode>
<city>city</city>
<country>country</country>
<state>state</state>
<email>email@example.com</email>
<phone>+49-123-123</phone>
<fax>+49-123-124</fax>
<remarks>free text 1</remarks>
<remarks>free text 2</remarks>
<nic_handle>
<tld>de</tld>
<type>all </type>
<ref>DENIC-104-34354</ref>
</nic_handle>
<nic_handle>
</nic_handle>
</contact>
<contact>
```

The Formats

string	Character string
date time	(SQL-Format) „YYYY-MM-DD hh:mm:ss“
enum	Select one of the list entries
cc	Country code (ISO 3166 Country Code)
tld	Top Level Domain (see http://www.iana.org/domains/root/db/)
ip	IP format (000.000.000.000)
phone	+49-123-123
email	A valid email address (local-part@domain-part, z. B. user@example.com)