

register.eu

Your Domain Name Specialist

DomainAPI v2.1

ARCHITECTURE

Server platform

Our server platform consists of Microsoft Windows 2008 servers with SQL Server 2005 which are under 24/24 monitoring.

Application

The Register.eu Gateway is written in C#.

Security

Servers reside in 2 state of the art data centers with extensive security facilities, redundant internet connections and disaster prevention. The authorization to use the gateway is checked on ip-address, account activation and account password over SSL.

SUPPORTED ACTIONS

The DomainAPI supports the following set of standard actions:

- DOM_ISFREE Check if the domain name is free to register
- DOM_CREATE Register the domain name at the registry
- DOM_TRANSFER Transfer the existing domain name to our account
- LIC_UPDATE Update/change the owner of the domain name
- NS_UPDATE Change the name servers of the domain name
- DOM_DELETE Stop the domain name as soon as possible
- DOM_RENEW Renew the domain name for a specified period
- DOM_AUTORENEW Update the Auto-Renewal status of the domain name
- DOM_LOCK Update the Lock (clientTransferProhibited) status of the domain name
- DOM_INFO Get information details for a specific domain name within portfolio
- CONTACT_INFO Get information details for a specific contact id
- DNSZONE_INFO Get zone details for a specific domain name within portfolio
- DNSZONE_CREATE Create a zone for a specific domain name within portfolio
- DNSZONE_DELETE Delete a zone for a specific domain name within portfolio
- DNSRECORD_CREATE Create a zone record for a specific domain name within portfolio
- DNSRECORD_DELETE Delete a zone record for a specific domain name within portfolio
- DNSRECORD_UPDATE Update a zone record for a specific domain name within portfolio

These actions are submitted to the Registry Application Layer which will map them on the capabilities of the registry/partner and submit them for processing. Results of the requested actions are communicate real-time where possible, asynchrone where needed.

Execution & Validation

Through the parameter [exec=0] within the request, it is possible to validate a request before submitting it. Our system will perform various checks on your request and provide you the Errors and Warning before you effectively submit the request.

DOM_ISFREE

Input

The following parameters have to be sent to the gateway via a Post or Get request :

Parameter name	Type	Max Length	Required (Yes/No)	Remarks
domain	String	50	Y	A valid domain name (a-z, A-Z,0-9,-)
extension	String	10	Y	A valid extension (a-z, A-Z)
action	String		Y	DOM_ISFREE

Output

The output is an xml response with the following parameters.

- Status: Available, InUse, Quarantine, Blocked, Failed
- ErrorCode: See Appendix A
- Error: Description of the error code

Example

http://www.register.eu/gateway/request.aspx?version=2&domain=register&extension=eu&action=dom_isfree

```
<?xml version="1.0" encoding="utf-16?">
<gateway version="2.1">
<status>InUse</status>
<errorcode>E0</errorcode>
<error>None</error>
<warningcode>W0</warningcode>
<warning>None</warning>
</gateway>
```

DOM_CREATE

Input:

The following parameters have to be sent to the gateway via Post or Get request:

Parameter name	Type	Max Length	Required (Yes/No)	Remarks
logon	String	75	Y	
password	String	20	Y	
domain	String	50	Y	A valid domain name (a-z, A-Z,0-9,-)
extension	String	10	Y	A valid extension (a-z, A-Z)
action	String		Y	DOM_CREATE
type	String	3	N	<p>CPY (=Company), ORG (=Organization) or IND (=Individual).</p> <p>If type is not provided API determines it based on CompanyName and CompanyNumber (W1)</p> <p>If CompanyName is not filled, Type = "IND"</p> <p>Else If CompanyNumber is filled, Type = "CPY"</p> <p>Else Type = "ORG"</p>
companyname	String	150	N	<p>If Type = "CPY" or "ORG" and CompanyName is not filled, change Type = "IND" (W2)</p> <p>If Type = "IND" set CompanyName empty (W3)</p>
companynumber	String	50	N	<p>If Type = "CPY" and CompanyNumberMandatory and CompanyNumber it not filled, change Type = "ORG" (W4)</p> <p>If Type = "IND" set CompanyNumber empty (W5)</p>

vatnumber	String	25	N	If Type = "CPY" and VATNumberMandatory and VATNumber is not filled, change Type = "ORG" (W6)
firstname	String	50	Y	
lastname	String	50	Y	
idcardnumber	String	25	N (Y)	Needs to be provided if IDCardNumberMandatory for extension
birthdate	String	8	N (Y)	Needs to be provided if BirthDataMandatory for extension. Format YYYYMMDD
birthcity	String	50	N (Y)	Needs to be provided if BirthDataMandatory for extension
birthcountrycode	String	2	N (Y)	ISO standard (e.g. BE for Belgium) Needs to be provided if BirthDataMandatory for extension
birthZipCode	String	10	N (Y)	Needs to be provided if BirthZipCodeMandatory for extension
Orgcreationdate	String	8	N (Y)	= Declaration Date Prefecture Format YYYYMMDD Needs to be provided if OrgCreationDateMandatory for extension
Jodate	String	8	N (Y)	Format YYYYMMDD Needs to be provided if JoDateMandatory for extension
Jonumber	String	50	N (Y)	Needs to be provided if JoNumberMandatory for extension
Jopage	Integer		N (Y)	Needs to be provided if JoPageMandatory for extension
Allowrepresentation	Boolean	0 or 1	N (Y)	Default value=1
address	String	25	Y	
city	String	50	Y	

zipcode	String	20	Y	
countrycode	String	2	Y	ISO standard (e.g. BE for Belgium)
phone	String	50	Y	ISO standard (e.g. +32.21234567) If phone not provided and mobile filled out, mobile is copied into phone field (W7)
mobile	String	50	N	ISO standard (e.g. +32.21234567)
fax	String	50	N	ISO standard (e.g. +32.21234567)
email	String	75	Y	A valid email address
period	Integer		N	1, 2, 3 or 5 years If period not provided, default period will be applied (W37)
NS1	String	150	N	If not provided, other NS params will be ignored and default NS will be applied.
NS2	String	150	N	
NS3	String	150	N	
NS4	String	150	N	
NS5	String	150	N	
NS6	String	150	N	
NS7	String	150	N	
NS8	String	150	N	
NS9	String	150	N	
NS10	String	150	N	
NS11	String	150	N	
NS12	String	150	N	
NS13	String	150	N	

AdminH	Integer	N	Administrative Handle / Contact. If not provided default Admin Handle will be applied.
TechH	Integer	N	Technical Handle / Contact. If not provided default Tech Handle will be applied.
BillH	Integer	N	Billing Handle / Contact. If not provided default Bill Handle will be applied.

Output

The output is an xml response with the following parameters.

- Status: OK / NOK
- ErrorCode: see list below
- Error: description of the error code
- WarningCode: see list below
- Warning: description of the warning code

Example

http://www.register.eu/gateway/request.aspx?version=2&logon=myLogin@login.be&password=dhjsk54&domain=mytestDomain&extension=be&action=dom_create&companyname=myCompany&firstname=MyfirstName&lastname=MyLastName&address=MyAddress&city=Bruxelles&zipcode=1000&countrycode=BE&phone=+32.21234567&email=mail@mail.be&vatnumber=&Period=1

```
<?xml version="1.0" encoding="utf-16"?>
<gateway version="2.1">
<status>OK</status>
<errorcode>E0</errorcode>
<error>None</error>
<warningcode>W0</warningcode>
<warning>None</warning>
</gateway>
```


DOM_TRANSFER

This action implies a change of registrar that can be combined with a change of owner, an update of owner details or a change of nameservers.

If no licensee details are provided, a change of registrar will be executed and the existing whois details will be applied. *

If no nameservers are provided, a change of registrar will be executed and the existing nameservers will be applied.

*Important: some extensions do not allow performing an owner change and a DOM_TRANSFER under the same action.

Input:

The following parameters have to be sent to the gateway via Post or Get request:

Parameter name	Type	Max Length	Required (Yes/No)	Remarks
logon	String	75	Y	
password	String	20	Y	
domain	String	50	Y	A valid domain name (a-z, A-Z,0-9,-)
extension	String	10	Y	A valid extension (a-z, A-Z)
action	String		Y	DOM_TRANSFER
Authcode	String	50	N (Y)	Needs to be provided if AuthCodeMandatory for extension
type	String	3	N	<p>CPY (=Company), ORG (=Organization) or IND (=Individual).</p> <p>If type is not provided API determines it based on CompanyName and CompanyNumber (W1)</p> <p>If CompanyName is not filled, Type = "IND"</p> <p>Else If CompanyNumber is filled, Type = "CPY"</p> <p>Else Type = "ORG"</p>

companyname	String	150	N	If Type = "CPY" or "ORG" and CompanyName is not filled, change Type = "IND" (W2) If Type = "IND" set CompanyName empty (W3)
companynumber	String	50	N	If Type = "CPY" and CompanyNumberMandatory and CompanyNumber it not filled, change Type = "ORG" (W4) If Type = "IND" set CompanyNumber empty (W5)
vatnumber	String	25	N	If Type = "CPY" and VATNumberMandatory and VATNumber is not filled, change Type = "ORG" (W6)
firstname	String	50	N	
lastname	String	50	N	
idcardnumber	String	25	N	Needs to be provided if IDCardNumberMandatory for extension
birthdate	String	8	N	Needs to be provided if BirthDataMandatory for extension. Format YYYYMMDD
birthcity	String	50	N	Needs to be provided if BirthDataMandatory for extension
birthcountrycode	String	2	N	ISO standard (e.g. BE for Belgium) Needs to be provided if BirthDataMandatory for extension
birthZipCode	String	10	N	Needs to be provided if BirthZipCodeMandatory for extension
Orgcreationdate	String	8	N	= Declaration Date Prefecture Format YYYYMMDD Needs to be provided if OrgCreationDateMandatory for extension
Jodate	String	8	N	Format YYYYMMDD

				Needs to be provided if JoDateMandatory for extension
Jonumber	String	50	N	Needs to be provided if JoNumberMandatory for extension
Jopage	Integer		N	Needs to be provided if JoPageMandatory for extension
Allowrepresentation	Integer	0 or 1	N	Only for .fr extension Default value = 1
address	String	25	N	
city	String	50	N	
zipcode	String	20	N	
countrycode	String	2	N	ISO standard (e.g. BE for Belgium)
phone	String	50	N	ISO standard (e.g. +32.21234567) If phone not provided and mobile filled out, mobile is copied into phone field (W7)
mobile	String	50	N	ISO standard (e.g. +32.21234567)
fax	String	50	N	ISO standard (e.g. +32.21234567)
email	String	75	N	A valid email address
period	Integer		N	1, 2, 3 or 5 years If period not provided, default period will be applied (W37)
NS1	String	150	N	If not provided, other NS params will be ignored and default NS will be applied.
NS2	String	150	N	
NS3	String	150	N	
NS4	String	150	N	
NS5	String	150	N	

NS6	String	150	N	
NS7	String	150	N	
NS8	String	150	N	
NS9	String	150	N	
NS10	String	150	N	
NS11	String	150	N	
NS12	String	150	N	
NS13	String	150	N	
AdminH	Integer		N	Administrative Handle / Contact. If not provided default Admin Handle will be applied.
TechH	Integer		N	Technical Handle / Contact. If not provided default Tech Handle will be applied.
BillH	Integer		N	Billing Handle / Contact. If not provided default Bill Handle will be applied.

Output

The output is an xml response with the following parameters.

- Status: OK / NOK
- ErrorCode: See Appendix A
- Error: description of the error code
- WarningCode: See Appendix B
- Warning: description of the warning code

Example

http://www.register.eu/gateway/request.aspx?version=2&logon=myLogin@login.be&password=dhjysk54&domain=mytestDomain&extension=be&action=dom_transfer&companyname=myCompany&firstname=MyfirstName&lastname=MyLastName&address=MyAddress&city=Bruxelles&zipcode=1000&countrycode=BE&phone=+32.21234567&email=mail@mail.be&vatnumber=&Period=1

```
<?xml version="1.0" encoding="utf-16"?>
<gateway version="2.1">
<status>OK</status>
<errorcode>E0</errorcode>
<error>None</error>
<warningcode>W0</warningcode>
<warning>None</warning>
</gateway>
```

LIC_UPDATE

This action implies either a change of the owner or a change of the owner's details for a domain name managed under user's account.

An owner change means a change of LicType or a change of CompanyName if LicType=CPY/ORG or a change of First Name or LastName if LicType=IND.

Depending on the extension, an owner change or a owner's details update can be a paying service. By default, paying services for LIC_UPDATE are not processed and an error code (E93) is returned.

If you want to allow a paying service for LIC_UPDATE, set parameter [Allowpayingproducts=1].

Input:

The following parameters have to be sent to the gateway via Post or Get request:

Parameter name	Type	Max Length	Required (Yes/No)	Remarks
logon	String	75	Y	
password	String	20	Y	
domain	String	50	Y	A valid domain name (a-z, A-Z,0-9,-)
extension	String	10	Y	A valid extension (a-z, A-Z)
action	String		Y	LIC_UPDATE
Allowpayingproducts	Integer	0 or 1	N (Y)	Default value is 0
type	String	3	N	<p>CPY (=Company), ORG (=Organization) or IND (=Individual).</p> <p>If type is not provided API determines it based on CompanyName and CompanyNumber (W1)</p> <p>If CompanyName is not filled, Type = "IND"</p> <p>Else If CompanyNumber is filled, Type = "CPY"</p> <p>Else Type = "ORG"</p>
companyname	String	150	N	If Type = "CPY" or "ORG" and CompanyName

				is not filled, change Type = "IND" (W2)
				If Type = "IND" set CompanyName empty (W3)
companynumber	String	50	N	If Type = "CPY" and CompanyNumberMandatory and CompanyNumber it not filled, change Type = "ORG" (W4) If Type = "IND" set CompanyNumber empty (W5)
vatnumber	String	25	N	If Type = "CPY" and VATNumberMandatory and VATNumber is not filled, change Type = "ORG" (W6)
firstname	String	50	Y	
lastname	String	50	Y	
idcardnumber	String	25	N	Needs to be provided if IDCardNumberMandatory for extension
birthdate	String	8	N	Needs to be provided if BirthDataMandatory for extension. Format YYYYMMDD
birthcity	String	50	N	Needs to be provided if BirthDataMandatory for extension
birthcountrycode	String	2	N	ISO standard (e.g. BE for Belgium) Needs to be provided if BirthDataMandatory for extension
birthZipCode	String	10	N	Needs to be provided if BirthZipCodeMandatory for extension
Orgcreationdate	String	8	N	= Declaration Date Prefecture Format YYYYMMDD Needs to be provided if OrgCreationDateMandatory for extension
Jodate	String	8	N	Format YYYYMMDD Needs to be provided if JoDateMandatory for

				extension
Jonumber	String	50	N	Needs to be provided if JoNumberMandatory for extension
Jopage	Integer		N	Needs to be provided if JoPageMandatory for extension
Allowrepresentation	Integer	0 or 1	N	Only for .fr extension If not filled, value 1 apply if mandatory parameters are not provided
address	String	25	Y	
city	String	50	Y	
zipcode	String	20	Y	
countrycode	String	2	Y	ISO standard (e.g. BE for Belgium)
phone	String	50	Y	ISO standard (e.g. +32.21234567) If phone not provided and mobile filled out, mobile is copied into phone field (W7)
mobile	String	50	N	ISO standard (e.g. +32.21234567)
fax	String	50	N	ISO standard (e.g. +32.21234567)
email	String	75	Y	A valid email address
period	Integer		N	1, 2, 3 or 5 years If period not provided, default period will be applied (W37)

Output

The output is an xml response with the following parameters.

- Status: OK / NOK
- ErrorCode: See Appendix A
- Error: description of the error code
- WarningCode: See Appendix B
- Warning: description of the warning code

Example

http://www.register.eu/gateway/request.aspx?version=2&logon=myLogin@login.be&password=dhjysk54&domain=mytestDomain&extension=be&action=lic_update&companyname=myCompany&firstname=MyfirstName&lastname=MyLastName&address=MyAddress&city=Bruxelles&zipcode=1000&countrycode=BE&phone=+32.21234567&fax=MyFax&email=mail@mail.be&vatnumber=

```
<gateway version="2.1">  
<status>OK</status>  
<errorcode>E0</errorcode>  
<error>None</error>  
<warningcode>W0</warningcode>  
<warning>None</warning>  
</gateway>
```

NS_UPDATE

Input:

The following parameters have to be sent to the gateway via Post or Get request:

Parameter name	Type	Max Length	Required (Yes/No)	Remarks
logon	String	75	Y	
password	String	20	Y	
domain	String	50	Y	A valid domain name request (a-z, A-Z,0-9,-)
extension	String	10	Y	A valid extension (a-z, A-Z)
action	String		Y	NS_UPDATE
NS1	String	150	Y	
NS2	String	150	N	
NS3	String	150	N	
NS4	String	150	N	
NS5	String	150	N	
NS6	String	150	N	
NS7	String	150	N	
NS8	String	150	N	
NS9	String	150	N	
NS10	String	150	N	
NS11	String	150	N	
NS12	String	150	N	
NS13	String	150	N	

Output

The output is an xml response with the following parameters.

- Status: OK / NOK
- ErrorCode: See Appendix A
- Error: description of the error code
- WarningCode: See Appendix B
- Warning: description of the warning code

Example

[http://www.register.eu/gateway/request.aspx?version=2&logon=myLogin@login.be&password=dhjsk54&domain=mytestDomain&extension=be&action=ns_update&NS1=ns1.register.eu&ns2=ns2.register.eu&NS3=&NS4 =](http://www.register.eu/gateway/request.aspx?version=2&logon=myLogin@login.be&password=dhjsk54&domain=mytestDomain&extension=be&action=ns_update&NS1=ns1.register.eu&ns2=ns2.register.eu&NS3=&NS4=)

```
<gateway version="2.1">  
<status>OK</status>  
<errorcode>E0</errorcode>  
<error>None</error>  
</gateway>
```

DOM_DELETE

Remark: This action is not possible during the Threshold period. During that period, the domain name is already being auto-renewed or expired.

Input:

The following parameters have to be sent to the gateway via Post or Get request:

Parameter name	Type	Max Length	Required (Yes/No)	Remarks
logon	String	75	Y	
password	String	20	Y	
domain	String	50	Y	A valid domain name (a-z, A-Z,0-9,-)
extension	String	10	Y	A valid extension (a-z, A-Z)
action	String		Y	DOM_DELETE

Output

The output is an xml response with the following parameters.

- Status: OK / NOK
- ErrorCode: See Appendix A
- Error: description of the error code
- WarningCode: See Appendix B
- Warning: description of the warning code

Example

http://www.register.eu/gateway/request.aspx?version=2&logon=myLogin@login.be&password=dhjsk54&domain=mytestDomain&extension=be&action=dom_delete

```
<gateway version="2.1">  
<status>OK</status>  
<errorcode>E0</errorcode>  
<error>None</error>  
</gateway>
```

DOM_RENEW

This action generates a renewal order for the domain name and for the specified period. The specified period is added to the existing expiration date.

Remark: This action is not possible during the Threshold period. During that period, the domain name is already being auto-renewed or expired.

Input:

The following parameters have to be sent to the gateway via Post or Get request:

Parameter name	Type	Max Length	Required (Yes/No)	Remarks
logon	String	75	Y	
password	String	20	Y	
domain	String	50	Y	A valid domain name (a-z, A-Z,0-9,-)
extension	String	10	Y	A valid extension (a-z, A-Z)
action	String		Y	DOM_RENEW
Period	Integer		Y	1,2,3 or 5 years

Output

The output is an xml response with the following parameters.

- Status: OK / NOK
- ErrorCode: See Appendix A
- Error: description of the error code
- WarningCode: See Appendix B
- Warning: description of the warning code

Example

http://www.register.eu/gateway/request.aspx?version=2&logon=myLogin@login.be&password=dhjsk54&domain=mytestDomain&extension=be&action=dom_renew&period=1

```
<gateway version="2.1">
<status>OK</status>
<errorcode>E0</errorcode>
<error>None</error>
</gateway>
```

DOM_AUTORENEW

This action updates the autorenew status for the domain name.

If the parameter autorenew is ON for a domain name, a renewal order is automatically created at a given period prior to expiration date.

If the autorenew status is updated into ON between the given period and the expiration date, a renewal order is automatically created.

Remark: This action is not possible during the Threshold period. During that period, the domain name is already being auto-renewed or expired.

Input:

The following parameters have to be sent to the gateway via Post or Get request:

Parameter name	Type	Max Length	Required (Yes/No)	Remarks
logon	String	75	Y	
password	String	20	Y	
domain	String	50	Y	A valid domain name (a-z, A-Z,0-9,-)
extension	String	10	Y	A valid extension (a-z, A-Z)
action	String		Y	DOM_AUTORENEW
Autorenew	Integer	0 or 1	Y	

Output

The output is an xml response with the following parameters.

- Status: OK / NOK
- ErrorCode: See Appendix A
- Error: description of the error code
- WarningCode: See Appendix B
- Warning: description of the warning code

Example

http://www.register.eu/gateway/request.aspx?version=2&logon=myLogin@login.be&password=dhjysk54&domain=mytestDomain&extension=be&action=dom_autorenew=1

```
<gateway version="2.1">  
<status>OK</status>  
<errorcode>E0</errorcode>  
<error>None</error>  
</gateway>
```

DOM_LOCK

This action updates the Lock status for the domain name.

Lock status on ON is translated into “clientTransferProhibited”.

When the status of a domain name is Lock=ON, this specific domain name can't be transferred to another registrar.

Input:

The following parameters have to be sent to the gateway via Post or Get request:

Parameter name	Type	Max Length	Required (Yes/No)	Remarks
Logon	String	75	Y	
Password	String	20	Y	
Domain	String	50	Y	A valid domain name (a-z, A-Z,0-9,-)
Extension	String	10	Y	A valid extension (a-z, A-Z)
Action	String		Y	DOM_LOCK
Lock	Integer	0 or 1	Y	

Output

The output is an xml response with the following parameters.

- Status: OK / NOK
- ErrorCode: See Appendix A
- Error: description of the error code
- WarningCode: See Appendix B
- Warning: description of the warning code

Example

http://www.register.eu/gateway/request.aspx?version=2&logon=myLogin@login.be&password=dhjsk54&domain=mytestDomain&extension=be&action=dom_lock&lock=1

```
<gateway version="2.1">
<status>OK</status>
<errorcode>E0</errorcode>
<error>None</error>
</gateway>
```


DOM_INFO

This action allows to get following information for a domain name which is managed under own account:

- Domain name
- Registration Date
- Expiration Date
- Autorenew status (ON or OFF)
- Period
- Status (Active + Locked/ Active + Unlocked /Pending + reason)
- Authcode (if existing)
- Nameservers
- Contact id's (Registrant, Administrative, technical and billing)

Input:

The following parameters have to be sent to the gateway via Post or Get request:

Parameter name	Type	Max Length	Required (Yes/No)	Remarks
Logon	String	75	Y	
Password	String	20	Y	
Domain	String	50	Y	A valid domain name (a-z, A-Z,0-9,-)
Extension	String	10	Y	A valid extension (a-z, A-Z)
Action	String		Y	DOM_INFO

Output

The output is an xml response with the following parameters.

- Status: OK / NOK
- ErrorCode: See Appendix A
- Error: description of the error code
- WarningCode: See Appendix B
- Warning: description of the warning code
- Domain data

Example

http://www.register.eu/gateway/request.aspx?version=2&logon=myLogin@login.be&password=dhjsk54&domain=mytestDomain&extension=com&action=dom_info

```
<?xml version="1.0" encoding="utf-16"?>
<gateway version="2.1">
  <status>OK</status>
  <errorcode>E0</errorcode>
  <error>None</error>
  <warningcode>W0</warningcode>
  <warning>None</warning>
  <domain>
    <domainName>mytestDomain.com</domainName>
    <registrationDate>2011-06-01</registrationDate>
    <expirationDate>2012-06-01</expirationDate>
    <autorenew>ON</autorenew>
    <period>1</period>
    <status>Active - Locked</status>
    <authcode>cGTA2%fbE%QhrV</authcode>
    <nameservers>
      <ns id="NS1">
        <host>ns1.domain.be</host>
      </ns>
      <ns id="NS2">
        <host>ns2.domain.be</host>
      </ns>
      <ns id="NS3">
        <host>ns3.domain.be</host>
      </ns>
    </nameservers>
    <contacts>
      <contact type="ADMIN">
        <id>1146493</id>
      </contact>
      <contact type="TECH">
        <id>1146503</id>
      </contact>
      <contact type="REG">
        <id>1317878</id>
      </contact>
    </contacts>
  </domain>
</gateway>
```

CONTACT_INFO

Input:

The following parameters have to be sent to the gateway via Post or Get request:

Parameter name	Type	Max Length	Required (Yes/No)	Remarks
Logon	String	75	Y	
Password	String	20	Y	
Action	String		Y	CONTACT_INFO
RegH	Integer		Y/N	
AdminH	Integer		Y/N	
TechH	Integer		Y/N	
BillH	Integer		Y/N	

Output

The output is an xml response with the following parameters.

- Status: OK / NOK
- ErrorCode: See Appendix A
- Error: description of the error code
- WarningCode: See Appendix B
- Warning: description of the warning code

Example

http://www.register.eu/gateway/request.aspx?version=2&logon=myLogin@login.be&password=dhjysk54®Handle=1317878 action=contact_info

```
<?xml version="1.0" encoding="utf-16"?>
<gateway version="2.1">
  <status>OK</status>
  <errorcode>E0</errorcode>
  <error>None</error>
  <warningcode>W0</warningcode>
  <warning>None</warning>
  <contact>
    <id>1317879</id>
    <type>CPY</type>
    <firstName>MyFirstName</firstName>
    <lastName>MyLastName</lastName>
    <company>MyCompanyName</company>
    <companyNumber />
    <address>MyAddress</address>
    <zipCode>MyCity</zipCode>
    <city>MyZip</city>
    <country>MyCountry</country>
    <email>MyEmailAddress@mydomain.ext</email>
    <phone>+32.123456789</phone>
    <fax />
  </contact>
</gateway>
```

DNSZONE_INFO

This action returns all records of a zone for valid domain names on the account of the identified user. The record types currently supported by our name server are: SOA, A, AAAA, CNAME, NS, MX, SRV, TXT, SPF.

Input:

The following parameters have to be sent to the gateway via Post or Get request:

Parameter name	Type	Max Length	Required (Yes/No)	Remarks
Logon	String	75	Y	
Password	String	20	Y	
Domain	String	50	Y	A valid domain name (a-z, A-Z,0-9,-)
Extension	String	10	Y	A valid extension (a-z, A-Z)
Action	String		Y	DNSZONE_INFO

Output

The output is an xml response with the following parameters.

- Status: OK / NOK
- ErrorCode: See Appendix A
- Error: description of the error code
- WarningCode: See Appendix B
- Warning: description of the warning code

Example

http://www.register.eu/gateway/request.aspx?version=2&logon=myLogin&password=myPassword&domain=myDomain&extension=be&action=DNSZONE_INFO

```

<?xml version="1.0" encoding="UTF-8"?>
<gateway version="2.1">
  <status>OK</status>
  <errorcode>E0</errorcode>
  <error>None</error>
  <warningcode>W0</warningcode>
  <warning>None</warning>
  <zone>
    <domainName>myDomain.be</domainName>
    <records>
      <record type="SOA">
        <serial>2012071302</serial>
        <refresh>7200</refresh>
        <retry>3600</retry>
        <expire>86400</expire>
        <ttl>3600</ttl>
        <ns>ns1.domain.be.</ns>
        <techcontact>info@domain.be</techcontact>
        <masterip />
      </record>
      <record type="A">
        <name>sub</name>
        <target>12.12.12.12</target>
      </record>
      <record type="CNAME">
        <name>test</name>
        <target>test.test.be.</target>
      </record>
      <record type="NS">
        <name>@</name>
        <target>ns1.domain.be.</target>
      </record>
      <record type="MX">
        <name>@</name>
        <target>mail.domain.be.</target>
        <priority>10</priority>
      </record>
    </records>
  </zone>
</gateway>

```

DNSZONE_CREATE

This action creates a new zone for a valid domain name on the account of the identified user. It allows the creation of primary and secondary zones. These two types of zones are distinguished by the “slave” parameter. The default value for “slave” is 0 (false).

To create a primary zone (slave = 0 / default value), the SOA parameters are required: refresh, retry, expire, ttl, nameserver, and techcontact.

To create a secondary zone, “slave” must be set on 1 (true). The IP of the primary name server (“masterip”) is then required. “masterip” must be a valid IPv4 address. It is the responsibility of the primary server (“masterip”) administrator to allow zone transfers to our secondary server.

Once the zone is created and configured, the server name will really be active when the domain name has been linked to the server (see action NS_UPDATE).

Input:

The following parameters have to be sent to the gateway via Post or Get request:

Parameter name	Type	Max Length	Required (Yes/No)	Remarks
logon	String	75	Y	
password	String	20	Y	
domain	String	50	Y	A valid domain name (a-z, A-Z,0-9,-)
extension	String	10	Y	A valid extension (a-z, A-Z)
action	String		Y	DNSZONE_CREATE
refresh	Integer		Y/N	Mandatory if slave = 0
retry	Integer		Y/N	Mandatory if slave = 0
expire	Integer		Y/N	Mandatory if slave = 0
ttl	String		Y/N	Mandatory if slave = 0
nameserver	String		Y/N	Mandatory if slave = 0 Fully Qualified Domain Name (FQDN)
techcontact	String		Y/N	Mandatory if slave = 0
slave	Integer	0 or 1	N	
masterip	String		Y/N	Valid IPv4 adress, mandatory if slave = 1

Output

The output is an xml response with the following parameters.

- Status: OK / NOK
- ErrorCode: See Appendix A
- Error: description of the error code
- WarningCode: See Appendix B
- Warning: description of the warning code

Example

https://www.register.eu/gateway/request.aspx?version=2&logon=yourLogin&password=yourPassword&domain=yourDomain&extension=be&nameserver=ns1.register.eu.&refresh=7200&expire=8600&retry=3600&ttr=3600&techcontact=tech.register.eu.&action=DNSZONE_CREATE

```
<?xml version="1.0" encoding="utf-16"?>
<gateway version="2.1">
<status>OK</status>
<errorcode>E0</errorcode>
<error>None</error>
<warningcode>W0</warningcode>
<warning>None</warning>
</gateway>
```

DNSZONE_DELETE

This action permanently removes the entire zone of the name server. It can only be run on a valid domain name on the account of the identified user.

Input:

The following parameters have to be sent to the gateway via Post or Get request:

Parameter name	Type	Max Length	Required (Yes/No)	Remarks
logon	String	75	Y	
password	String	20	Y	
domain	String	50	Y	A valid domain name (a-z, A-Z,0-9,-)
extension	String	10	Y	A valid extension (a-z, A-Z)
action	String		Y	DNSZONE_DELETE

Output

The output is an xml response with the following parameters.

- Status: OK / NOK
- ErrorCode: See Appendix A
- Error: description of the error code
- WarningCode: See Appendix B
- Warning: description of the warning code

Example

https://www.register.eu/gateway/request.aspx?version=2&logon=yourLogin&password=yourPassword&domain=yourDomain&extension=be&action=DNSZONE_DELETE

```
<?xml version="1.0" encoding="utf-16"?>
<gateway version="2.1">
<status>OK</status>
<errorcode>E0</errorcode>
<error>None</error>
<warningcode>W0</warningcode>
<warning>None</warning>
</gateway>
```

DNSRECORD_CREATE

This action creates a new record on the name server for an already existing zone for a valid domain name on the account of the identified user. The record types currently supported by our name server for this action are: A, AAAA, CNAME, NS, MX, SRV, TXT, SPF. The creation of a SOA record is done on the creation of the zone (see DNSZONE_CREATE).

Each record type is subject to a specific validation defined by various RFCs

Input:

The following parameters have to be sent to the gateway via Post or Get request:

Parameter name	Type	Max Length	Required (Yes/No)	Remarks
logon	String	75	Y	
password	String	20	Y	
domain	String	50	Y	A valid domain name (a-z, A-Z,0-9,-)
extension	String	10	Y	A valid extension (a-z, A-Z)
action	String		Y	DNSRECORD_CREATE
recordtype	String	5	Y	A, AAAA, CNAME, NS, MX, SRV, TXT, SPF
name	String	100	Y/N	If not provided, the create will be applied to the root (@)
target	String	100	Y	
priority	String		Y/N	Mandatory for SRV and MX records
port	String		Y/N	Mandatory for SRV records
weight	String		Y/N	Mandatory for SRV records

Output

The output is an xml response with the following parameters.

- Status: OK / NOK
- ErrorCode: See Appendix A
- Error: description of the error code
- WarningCode: See Appendix B
- Warning: description of the warning code

Example

https://www.register.eu/gateway/request.aspx?version=2&logon=yourLogin&password=yourPassword&domain=yourDomain&extension=be&recordtype=SRV&t1=3600&name=test&target=test.test.be.&priority=10&weight=1&port=8080&action=DNSRECORD_CREATE

```
<?xml version="1.0" encoding="utf-16"?>
<gateway version="2.1">
<status>OK</status>
<errorcode>E0</errorcode>
<error>None</error>
<warningcode>W0</warningcode>
<warning>None</warning>
</gateway>
```

DNSRECORD_DELETE

This action removes a record of the name server for a zone that already exists. The record types currently supported by our name server for this action are: A, AAAA, CNAME, NS, MX, SRV, TXT, SPF. It is not possible to delete a SOA record.

Input:

The following parameters have to be sent to the gateway via Post or Get request:

Parameter name	Type	Max Length	Required (Yes/No)	Remarks
logon	String	75	Y	
password	String	20	Y	
domain	String	50	Y	A valid domain name (a-z, A-Z,0-9,-)
extension	String	10	Y	A valid extension (a-z, A-Z)
action	String		Y	DNSRECORD_DELETE
recordtype	String	5	Y	A, AAAA, CNAME, NS, MX, SRV, TXT, SPF
name	String	100	Y/N	If not provided, the delete will be applied to the root (@)
target	String	100	Y	
priority	String		Y/N	Mandatory for SRV and MX records
port	String		Y/N	Mandatory for SRV records
weight	String		Y/N	Mandatory for SRV records
ttd	String		Y/N	Mandatory for SRV records

Output

The output is an xml response with the following parameters.

- Status: OK / NOK
- ErrorCode: See Appendix A
- Error: description of the error code
- WarningCode: See Appendix B
- Warning: description of the warning code

Example

https://www.register.eu/gateway/request.aspx?version=2&logon=yourLogin&password=yourPassword&domain=yourDomain&extension=be&recordtype=SRV&ttr=3600&name=test&target=test.test.be.&priority=10&weight=1&port=8080&action=DNSRECORD_DELETE

```
<?xml version="1.0" encoding="utf-16"?>
<gateway version="2.1">
<status>OK</status>
<errorcode>E0</errorcode>
<error>None</error>
<warningcode>W0</warningcode>
<warning>None</warning>
</gateway>
```

DNSRECORD_UPDATE

This action updates a record on the name server. For now, this action is allowed only for SOA records. To update another type of record, proceed as follows:

- create a new record (see DNSRECORD_CREATE) with the new values;
- delete the record (DNSRECORD_DELETE) for the values which should be updated.

If the "slave" parameter is changed to 1 (true), the parameter "masterip" is required while the other parameters are ignored. In this case, the other type of records will be deleted and the name server will act as a slave server of the primary server specified by "masterip". It is the responsibility of the primary server ("masterip") administrator to allow zone transfers to our secondary server.

Input:

The following parameters have to be sent to the gateway via Post or Get request:

Parameter name	Type	Max Length	Required (Yes/No)	Remarks
logon	String	75	Y	
password	String	20	Y	
domain	String	50	Y	A valid domain name (a-z, A-Z,0-9,-)
extension	String	10	Y	A valid extension (a-z, A-Z)
action	String		Y	DNSRECORD_UPDATE
refresh	Integer		N	
retry	Integer		N	
expire	Integer		N	
ttl	String		N	
nameserver	String		N	Fully Qualified Domain Name (FQDN)
techcontact	String		N	
slave	Integer	0 or 1	N	Default = 0 If set to 1, masterip is mandatory
masterip	String		N	Valid IPv4 address

Output

The output is an xml response with the following parameters.

- Status: OK / NOK
- ErrorCode: See Appendix A
- Error: description of the error code
- WarningCode: See Appendix B
- Warning: description of the warning code

Example

https://www.register.eu/gateway/request.aspx?version=2&logon=yourLogin&password=yourPassword&domain=yourDomain&extension=be&recordtype=SOA&ttl=3000&action=DNSRECORD_UPDATE

```
<?xml version="1.0" encoding="utf-16"?>
<gateway version="2.1">
<status>OK</status>
<errorcode>E0</errorcode>
<error>None</error>
<warningcode>W0</warningcode>
<warning>None</warning>
</gateway>
```


EXAMPLE SCRIPT

VbScript

```
<%
'Check the status of mydomainname.be

Dim xmlHTTP : Set xmlHTTP = Server.CreateObject("Msxml2.XMLHTTP")
Dim xmlDoc : Set xmlDoc = Server.CreateObject("Msxml2.DOMDocument")
Dim sQuery : sQuery =

"http://www.register.eu/gateway/request.aspx? version=2&
domain=mydomainname&extension=be&action=dom_isfree"

xmlHTTP.open "GET", sQuery, false
xmlHTTP.send()
xmlDoc.async = false
xmlDoc.loadXML(xmlHTTP.responseText)
Dim strXMLOUT : strXMLOUT = xmlDoc.XML

Dim status : status = xmlDoc.getElementsByTagName("status").item(0).text
Dim errorcode : errorcode = xmlDoc.getElementsByTagName("errorcode").item(0).text
Dim errmsg : errmsg = xmlDoc.getElementsByTagName("error").item(0).text

If(StrComp(errorcode,"E0",1)=0) Then
  Select Case status
    Case "Available"
      Response.Write("Domain name is available")
      '...
    Case "InUse"
      Response.Write("Domain name already is registered")
      '...
    Case "Quarantine"
      Response.Write("Domain name is in quarantine")
      '...
    Case "Blocked"
      Response.Write("Domain name was bloked by registry")
      '...
    Case "Failed"
      Response.Write("Domain name check has failed")
      '...
  End Select
```

```

Else
    Response.Write(errormsg)
    '...
End If
Set xmlDoc = Nothing
Set xmlHTTP = Nothing
%>

```

PHP

```

<?
// Check the status of mydomainname.be
$document = "http://www.register.eu/gateway/request.aspx? version=2&
domain=mydomainname&extension=be&action=dom_isfree";

$xmlparser = xml_parser_create(); // create parser object
xml_parser_set_option($xmlparser,XML_OPTION_SKIP_WHITE,1); // remove unneeded spaces
xml_parser_set_option($xmlparser,XML_OPTION_CASE_FOLDING,0); // case sensitive on
$xmlDocument = implode("",file($document)); // read document
@xml_parse_into_struct($xmlparser,$xmlDocument,$d_ar,$i_ar);
xml_parser_free($xmlparser); // free the parser object

$status = $d_ar[1]['value'];
$errorcode = $d_ar[2]['value'];
$error = $d_ar[3]['value'];

/* 3 variables are created here
$status = the status of the domain name: Available, InUse, Quarantine, Blocked, Failed.
$errorcode = code of the error (E0: No error).
$error = description of the error if an error occurs.
*/

if($errorcode=="E0")
{
    switch($status)
    {
        case "Available":
            //echo "Domain name is available";
            //...
            break;
        case "InUse":

```

```
//echo "Domain name already is registered";  
//...  
break;  
case "Quarantine":  
    //echo "Domain name is in quarantine";  
    //...  
    break;  
case "Blocked":  
    //echo "Domain name was bloked by registry";  
    //...  
    break;  
case "Failed":  
    //echo "Domain name check has failed";  
    //...  
    break;  
}  
}  
else  
{  
    //echo($error);  
}  
?>
```

APPENDIX A – ERROR CODES

Code	Message
E0	None
E1	No Domain
E2	No Extension
E3	Bad data
E4	Unexpected error
E5	Domain or extension not found
E6	Could not enqueue in database
E7	Duplicate data found
E8	Not a valid gateway extension
E9	Already expired
E10	Already deleted
E11	S-Number not filled in
E12	S-Number not correct
E13	Pricelist not correct
E14	AutoProvision not correct
E15	PO-Number not correct
E16	Product not correct
E17	Invalid company name
E18	Invalid first name
E19	Invalid last name
E20	Invalid address
E21	Invalid city
E22	Invalid zipcode
E23	Invalid country code
E24	Invalid phone number
E25	Invalid fax number
E26	Invalid Email
E27	Invalid VAT number
E28	Invalid Language
E29	Login failed
E30	The domain name was not found
E31	Login not correct
E32	Password not correct
E33	Domain name not correct
E34	Extension not correct
E35	Period not correct
E36	Action - Period not supported for extension
E37	NS1 not correct
E38	NS2 not correct

E40	NS4 not correct
E41	IDCardnumber is mandatory for extension
E42	Birth date, city and country are mandatory for extension
E43	Transfer not supported for this extension
E44	Product not available
E45	Invalid type
E46	Invalid licensee
E47	Invalid mobile number
E48	Cannot change the company. DOM_TRADE require
E49	Cannot change the owner. DOM_TRADE require
E50	Domain is in use
E39	NS3 not correct
E52	invalid param birthdate
E51	invalid action
E53	invalid company number
E54	invalid card number
E55	invalid param birthcity
E56	invalid param birthcountrycode
E57	invalid clientId
E58	IP not authorized
E59	NS5 not correct
E60	NS6 not correct
E61	NS7 not correct
E62	NS8 not correct
E63	NS9 not correct
E64	NS10 not correct
E65	NS11 not correct
E66	NS12 not correct
E67	NS13 not correct
E68	Not enough nameservers for this extension
E69	Invalid param AdminH
E70	Invalid param TechH
E71	Invalid param BillH
E72	Invalid countrycode and representation off
E73	Invalid param birthdate and representation off
E74	Invalid param birthcountrycode and representation off
E75	Invalid param birthcity and representation off
E76	Invalid param birthzipcode and representation off
E77	Invalid param companyname and representation off
E78	Invalid param companynumber and representation off
E79	Invalid param orgcreationdate and representation off
E80	Invalid param jonumber and representation off

E81	Invalid param jodate and representation off
E82	Invalid param joPage and representation off
E83	Invalid param birthzipcode
E84	Invalid param orgcreationdate
E85	Invalid param jodate
E86	Invalid param jonumber
E87	Invalid param jopage
E88	Invalid param allowrepresentation
E89	Invalid param authcode
E90	Invalid param Nameserver
E91	Invalid IP
E92	Invalid Param allowpayingproduct
E93	Requested Licensee Change is a paying service and allowpayingproduct is off
E94	The account was disabled
E95	Invalid param autoRenew
E96	Invalid param lock
E97	Invalid param RegH
E98	This action requires one and only one handleId
E99	Domain is already locked
E100	Domain is already unlocked
E101	Registrant not in list
E102	Admin not in list
E103	Tech not in list
E104	Bill not in list
E105	Action not allowed during threshold period
E106	Zone does not exist
E107	Invalid SOA param: refresh
E108	Invalid SOA param: retry
E109	Invalid SOA param: expire
E110	Invalid SOA param: ttl
E111	Invalid param nameserver
E112	Invalid SOA param: techContact
E113	Invalid param ip
E114	Zone already exists
E115	Invalid param name
E117	Invalid param target
E119	Invalid param port
E120	Unsupported record type
E121	Zone record does not exists
E122	Invalid IPv4 format for target
E123	Invalid IPv6 format for target
E124	A CNAME record already exists for this alias

E125	A or AAAA records already exists for this alias
E126	This record already exists
E127	Missing value to update SOA
E128	Param recordtype is missing
E129	Invalid param recordtype
E130	Param weight is missing
E131	Invalid param weight
E132	CNAME can not be applied to the root (@)
E133	A IP-address is not accepted for this record type
E134	Invalid param priority
E135	Invalid param slave
E136	SOA param refresh is missing
E137	SOA param retry is missing
E138	SOA param expire is missing
E139	SOA param ttl is missing
E140	SOA param techContact is missing
E141	Param port is missing
E142	Param slave is missing
E143	Param priority is missing
E144	Param name is missing
E145	Param target is missing
E146	Param ip is missing
E147	Param nameserver is missing
E147	Param nameserver is missing
E148	Target should be a Fully Qualified Domain Name (FQDN for this recordType)

APPENDIX B – WARNING CODES

Code	Message
W0	None
W1	Type deducted based on companyname and companynumber value
W2	Type changed to individual because companyname missing
W3	Companyname ignored because type is individual
W4	Type changed to organization because mandatory companynumber missing
W5	Companynumber ignored because type is individual
W6	Type changed to organization because mandatory vat number missing
W7	Phone set to mobile because phone missing
W8	Default nameservers used because nameservers not provided
W9	Domain is free. The DOM_TRANSFER was converted to DOM_CREATE
W10	Domain is free. The DOM_TRADE was converted to DOM_CREATE
W11	Invalid phone number. Number has been formatted
W12	Invalid fax number. Number has been formatted
W13	Invalid mobile number. Number has been formatted
W14	Too many nameservers for this extension. Some nameservers were ignored.
W15	Admin handle not found. Default was taken.
W16	Tech handle not found. Default was taken.
W17	Bill handle not found. Default was taken.
W18	Passed admin handle is the default one.
W19	Passed tech handle is the default one.
W20	Passed bill handle is the default one.
W21	Invalid param birthdate. Representation applied.
W22	Invalid param birthcountrycode. Representation applied.
W23	Invalid param birthcity. Representation applied.
W24	Invalid param birthzipcode. Representation applied.
W25	Invalid param companyname. Representation applied.
W26	Invalid param companynumber. Representation applied.
W27	Invalid param orgcreationdate. Representation applied.
W28	Invalid param jonumber. Representation applied.
W29	Invalid param jodate. Representation applied.
W30	Invalid param joPage. Representation applied.
W31	Invalid param countrycode. Representation applied.
W32	Registered under representation contract.
W33	Authorisation Code provided for extension which does not support transfers with Authorisation Codes
W34	The license information has been ignored because they are incomplete.
W35	Requested Licensee Change is a paying service
W36	Unsupported parameter for this action. The parameter was ignored.
W37	No period selected. Default period(1) applied

W38 The authorisation code contains invalid character. Invalid characters were removed.

W40 Zone configured as slave. SOA records ignored.

W41 Unsupported parameters for this record type were ignored.

W42 No parameter name. Update applied on the root(@).

APPENDIX C – DNSZoneRecord’s validation

RecordType	Data Field Name	Data Field Description
A	ADDRESS	IPv4 address in standard notation (1.2.3.4)
AAAA	ADDRESS	IPv6 address in standard notation (1234:1234::1234)
CNAME	CNAME	Alias name (FQDN)
MX	PREFERENCE	Preference value (0 – 32767)
	EXCHANGE	Mail server host name (FQDN)
NS	NSDNAME	DNS server host name (FQDN)
SOA	MNAME	Name of primary DNS server for zone (FQDN)
	RNAME	Person responsible for zone
	SERIAL	Serial number of zone (0 – 4294967295)
	REFRESH	Zone refresh interval in seconds (0 -2147483647)
	RETRY	Zone retry interval in seconds (0 -2147483647)
	EXPIRE	Zone expire interval in seconds (0 -2147483647)
	MINIMUM	Zone minimum TTL value in seconds (0 -2147483647)
SRV	PRIORITY	Priority value (0 - 65535)
	WEIGHT	Weight value (0 - 65535)
	PORT	Port number (0 - 65535)
	TARGET	Target host (FQDN)
SPF	SPFDATA	The SPF data string (v=spf1...)
TXT	TXTDATA	One or more text value – each up to 255 characters long