



Sub-agent API

version 4.10

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1 Versions

Version 4.10

- Report

Version 4.9

- DS-record

Version 4.8

- Add Premium – information (Check)
- Add Premium – information (Purchase/Extend)

Version 4.7

- Add 'Https' to command 'purchase' and 'update' (Forwarding)

Version 4.6

- Add 'DNSTemplate' to command 'purchase' and 'update'
- Add 'lowttl' to command 'purchase' and 'update'

Version 4.5

- Add 'Notes' to getDomainList
- Add 'Notes' to command 'purchase' and 'update'

Version 4.4

- Add 'Label' to getDomainList
- Add 'Labels' to command 'purchase' and 'update'

Version 4.3

- Add 'Transactions'

Version 4.2

- Add parameter 'updateHosts' in 'update'-command

Version 4.1

- Add Polling
- Add OrderID in command 'getDomain', 'extend', 'reactivate', 'update' and 'delete'

Version 4.0

- GetCertList added

2 Interfacing with bNamed

2.1 Connecting

The API can be accessed via https (either GET or POST) and will respond with XML.

The URL to fetch looks like this:

<https://api.bNamed.net/API?UID=123&Key=...>

If you prefer error message text to be in Dutch you can also call

<https://api.bNamed.net/nl/API?UID=123&Key=...>

and for French error text the URL is

<https://api.bNamed.net/fr/API?UID=123&Key=...>

Most of our examples show a GET request, all requests will however also work via POST. When calling the API via GET, don't forget to URL-encode your parameters!

Requests are only accepted from fixed IP-addresses. Send us an e-mail in order for an IP-address to be whitelisted for your account.

2.2 Identifying yourself

With password

This will work for every command in the API

Connecting is simple. Add to every request the variables UID and Key.

- UID: Stands for User ID. This number identifies you.
- Key: The password for this UID.

So the string looks like this: <https://api.bNamed.net/API?UID=123&Key=password>

Without password

For security reasons, not using your password, will only be allowed with the following commands:

- Check
- Whois
- Regions
- Alternative

When using an insecure connection, you only need to specify your UID and not include your password. So the string looks like this:

<http://api.bNamed.net/API?UID=123>

UID

- You use the password of your main account. Please contact info@bNamed.net to request the UID.
- You can use a user who has API-rights.⁽¹⁾
- You can use a user who has client-rights.⁽¹⁾
You need to put a letter “C” in front of the username.
You can only maintain the domain names linked to this UID.

(¹ You can create/maintain this contact via bNamed.net by clicking on the dashboard on “Account Data”)

2.3 The “command”

Every request has to include a “command”. You can only use one command per request. The command tells the program what you want to do.

The command-part of the URL will look like:

command=check or command=purchase or...

3 Domains

3.1 Check

Checks the availability of one or more names. If you want to check the availability of the name “yourname” under multiple TLD's, the URL will look like:

```
https://(...)&command=check&SLDList=yourname,yourname,yourname&TLDList=eu,com,net  
https://(...)&command=check&DomainList=yourname.eu,yourname.com,yourname.net
```

You can also just look up one name:

```
https://(...)&command=check&SLDList=yourname&TLDList=be  
https://(...)&command=check&DomainList=yourname.eu
```

The check-command can also be called without having to supply your password. When using a http-connection (not https), it is sufficient for the check-command to only specify the UID and leave out the Key. This allows reasonably simple code to still be able to perform a check.

Required parameters

<i>Parameters</i>	<i>Description</i>
SLDList	A "," (comma) delimited list of second level domains to check, up to 75 names. If you use SLDList, you should also use TLDList.
TLDList	A “,” (comma) delimited list of top level domains to check, up to 75 names. All TLD's available on our website can be checked. If you use TLDList, you should also use SLDList
DomainList	A “,” (comma) delimited list of domains to check, up to 75 names. You can use the combination “SLDList + TLDList” or Domain List

The SLDList should be exactly as long as the TLDList. You need to use the combination “SLDList + TLDList” or DomainList.

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
ErrorCode	0 if successful.
ErrorText	Empty if no error
TLD	TLD being checked
SLD	SLD being checked
AvailabilityCode	<ul style="list-style-type: none">✓ -1: IDN Error✓ 0: available✓ 1: not available✓ 2: unable to check availability✓ 10: available but premium✓ 11: not available and premium
AvailabilityText	Text which accompanies and describes the AvailabilityCode

<i>Parameters</i>	<i>Description</i>
PremiumCurrency	Currency of premium domain name (only if AvailabilityCode = 10 or 11)
PremiumPriceNew	Createprice of premium domain name (only if AvailabilityCode = 10)
PremiumPriceTransfer	TransferPrice of premium domain name (only if AvailabilityCode = 11)
PremiumPriceExtend	ExtendPrice of premium domain name (only if AvailabilityCode = 10 or 11)
Done	True if successful

If more than one name is being checked TLD, SLD, AvailabilityCode and AvailabilityText are repeated for every name.

Example request

```
https://(...)&command=check&tldlist=be,cd&slclist=yourname,yourname
```

Example Response

```
<API>
  <Command>check</Command>
  <ErrorCode>0</ErrorCode>
  <ErrorText/>
  <Result>
    <Name1>
      <TLD>be</TLD>
      <SLD>yourname</SLD>
      <AvailabilityCode>1</AvailabilityCode>
      <AvailabilityText>not available</AvailabilityText>
    </Name1>
    <Name2>
      <TLD>cd</TLD>
      <SLD>yourname</SLD>
      <AvailabilityCode>0</AvailabilityCode>
      <AvailabilityText>available</AvailabilityText>
    </Name2>
  </Result>
  <Done>True</Done>
  <Time>0,60</Time>
</API>
```

3.2 Whois

Performs a Whois-request on a domain name. If the Whois can only be retrieved from the website of the registry, then a HTML-link to that website is included in the response (for example with a .be, .eu or .nl domain name).

Required parameters

<i>Parameters</i>	<i>Description</i>
SLD	Second level domain name
TLD	Top level domain name (extension)

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
ErrorCode	0 if successful.
ErrorText	Empty if no error
TLD	TLD being checked
SLD	SLD being checked
WhoisInfo	Plain text Whois information
Done	True if successful

3.3 Purchase

The name is registered or the transfer is requested or the name is added to your account.

Required parameters

<i>Parameters</i>	<i>Description</i>
SLD	Second level domain name
TLD	Top level domain name (extension)
PurchaseType	<ul style="list-style-type: none"> ✓ N: It's a new name, so register it ✓ B: It's an existing name, request a transfer ✓ T: It's an existing name, request a trade (owner change) ✓ L: Pre-registration (only valid during sunrise or landrush) ✓ Q: Transfer from quarantine
LicenseeNr	<p>Number of an existing contact person or:</p> <ul style="list-style-type: none"> ✓ 0: if you want to force creating a new licensee contact¹. Most often, “-2” will be preferable instead. ✓ -1: can be used with a transfer of a .nl, .be or .fr domain name. Any other licensee-information will be ignored and the information at the registry will be used ✓ -2: lets our system take care of finding the correct LicenseeNr for you. You need to specify all other licensee-parameters as if you would be creating a new one. If a contact with that information doesn't exist yet, then a new one will actually be created. <p>If LicenseeNr is “0” or “-2”, all optional licensee-parameters should also be sent. If LicenseeNr is higher than zero or equals “-1”, the other licensee-parameters will be ignored.</p>
OnSiteNr	<p>Number of an existing technical contact person or:</p> <ul style="list-style-type: none"> ✓ 0: if you want to force creating a new on-site contact¹. Most often, “-2” will be preferable instead. ✓ -1: if the OnSite should be the same contact as the licensee ✓ -2: lets our system take care of finding the correct OnSiteNr for you. You need to specify all other OnSite-parameters as if you would be creating a new one. If a contact with that information doesn't exist yet, then a new one will actually be created. <p>If OnSiteNr is “0” or “-2”, all optional OnSite-parameters should also be sent. If OnSiteNr is higher than zero or equals “-1”, the other OnSite-parameters will be ignored.</p>
NumYears	<p>Number of years to register the name Some TLD's require you to register your name for a minimum of 2 years! Will be ignored if action = 1</p>

1 Our system only allows for one identical unused contact. If an existing unused contact with identical information is found when creating a new contact, the existing contact ID will be used instead. Once a contact is connected to a domain name, it is considered “in use” and an extra new contact with the exact same information can be created.

Parameters	Description
DNSType	<ul style="list-style-type: none"> ✓ E: Own name servers (this will make DNSList required) ✓ G: Park your domain ✓ B: Use bNamed name servers (will be white label “nscluster” for sub-agents) ✓ S: Your own name server plus our back-up name servers

Optional parameters

Parameters	Description
AdminNr	<p>Number of an existing admin contact person or:</p> <ul style="list-style-type: none"> ✓ 0: if you want to force creating a new admin contact¹. Most often, “-2” will be preferable instead. ✓ -1: if the admin should be the same contact as the licensee ✓ -2: lets our system take care of finding the correct AdminNr for you. You need to specify all other Admin-parameters as if you would be creating a new one. If a contact with that information doesn't exist yet, then a new one will actually be created. <p>If AdminNr is “0” or “-2”, all optional Admin-parameters should also be sent. If AdminNr is higher than zero or equals “-1”, the other Admin-parameters will be ignored.</p> <p>Will be ignored if a separate admin contact is not supported for this TLD.</p>
BillingNr	<p>Number of an existing billing contact person or:</p> <ul style="list-style-type: none"> ✓ 0: if you want to force creating a new billing contact¹. Most often, “-2” will be preferable instead. ✓ -1: if the billing should be the same contact as the licensee ✓ -2: lets our system take care of finding the correct BillingNr for you. You need to specify all other Billing-parameters as if you would be creating a new one. If a contact with that information doesn't exist yet, then a new one will actually be created. <p>If BillingNr is “0” or “-2”, all optional Billing-parameters should also be sent. If BillingNr is higher than zero or equals “-1”, the other Billing-parameters will be ignored.</p>
AuthKey	<p>For the transfer of some extension like .org, .info and .biz, an authorisation key is required. This is a key that should be obtained from the current registrar.</p>

Parameters	Description
DNSTemplate	<p>Name of the template you want to use. DNSType is obliged. DNSList and Host(y) are not allowed.</p> <p>You can create/maintain these templates via bNamed.net by clicking on the dashboard on “templates for settings”.</p> <p>The name in the dropdown is the value of this parameter.</p>
DNSList	<p>A “,” (comma) delimited list of name servers. This is ignored if DNSType isn't “E” but is required of DNSType is “E”</p>
DNSIPList	<p>A “,” (comma) delimited list of IPV4-addresses of name servers. You only need to specify this if the name servers are under the domain name itself. This is ignored if DNSList isn't in the same SLD or DNSList itself is ignored. If you do specify this, it should have exactly as much IP-addresses as DNSList has name servers.</p>
DNSIPV6List	<p>A “,” (comma) delimited list of IPV6-addresses of name servers. You only need to specify this if the name servers are under the domain name itself. This is ignored if DNSList isn't in the same SLD or DNSList itself is ignored. If you do specify this, it should have exactly as much IP-addresses as DNSList has name servers.</p>
Host(y)	<ul style="list-style-type: none"> ✓ # (= %23): for both “sld.tld” and “www.sld.tld” ✓ @ (= %40): for “sld.tld” ✓ * (= %2A): for a wildcard subdomain ✓ “ftp” for “ftp.sld.tld”, “mail” for “mail.sld.tld” etc. <p>All parameters starting with “Host(y)” will only work if DNSType=B is also specified in the request.</p>

Parameters	Description
Host(y)Type	<ul style="list-style-type: none"> ✓ A: IPv4 ✓ AAAA: IPv6 ✓ CNAME: CNAME record ✓ DYNIP: Dynamic IP-Address ✓ SRV: SRV record ✓ TXT: TXT record ✓ NS: NS-record ✓ DS: DS-record ✓ SimpleForwarding: Simple Forwarding ✓ CloakedForwarding: Cloaked Forwarding ✓ Parking: Park your domain ✓ EmailServices: use our email-services ✓ MailServerIP: Link to IP-Address for email ✓ MX: MX record ✓ GMAIL: Link to Google name servers ✓ MICROSOFT365: link to Microsoft365 (you can also use office365) ✓ CAA: CAA record
Host(y)Value	<ul style="list-style-type: none"> ✓ A: IPv4 – address ✓ AAAA: IPv6 – address ✓ CNAME: CNAME record – value ✓ DYNIP: starting IP-Address ✓ SRV: SRV record – value ✓ TXT: TXT record – value ✓ NS: NS-record – value ✓ DS: DS-record-value ✓ SimpleForwarding & CloakedForwarding: The full URL, including “http(s):/” ✓ MailServerIP: IP-address ✓ MX: MX record value. For example: “mail.bnamed.net” ✓ GMAIL: no value necessary ✓ Microsoft365: MSID that you have received from Microsoft365
Host(y)CAAAbuseMail	<i>(Only if Host(y)WebType is CAA) Abuse email address</i>

Parameters	Description
Host(y)CAAWildcard	<i>(Only if Host(y)WebType is CAA)</i> Comma separated Wildcard options
Host(y)CAANonWildcard	<i>(Only if Host(y)WebType is CAA)</i> Comma separated Non-Wildcard options
Host(y>Title	<i>(Only if Host(y)WebType is CloakedForwarding)</i>
Host(y)Body	<i>(Only if Host(y)WebType is CloakedForwarding)</i>
Host(y)Desc	For the description meta tag <i>(Only if Host(y)WebType is CloakedForwarding)</i>
Host(y)Keyw	For the Keyword meta tag <i>(Only if Host(y)WebType is CloakedForwarding)</i>
Host(y)Subdirs	<ul style="list-style-type: none"> ✓ true: Pass on subdirectories ✓ false: Don't pass on subdirectories <i>(Only if Host(y)WebType is CloakedForwarding or SimpleForwarding)</i>
Host(y)Frame	If your domain name gets linked to inside a frame, it will jump out of the frame if this is "true" <i>(Only if Host(y)WebType is CloakedForwarding)</i>
Host(y)Https	<ul style="list-style-type: none"> ✓ true: Switch on Https ✓ false: Switch off Https <i>(Only if Host(y)WebType is CloakedForwarding or SimpleForwarding)</i>
Host(y)prio	For example "10" when Host(y)Type=NS or MX
Host(y)Mail(z)Name	<i>(Only if Host(y)Type is EmailServices)</i>
Host(y)Mail(z>Password	<i>(Only if Host(y)Type is EmailServices)</i>
Host(y)Mail(z)Antispam	<ul style="list-style-type: none"> ✓ 0: inactive ✓ 1: only mark spam ✓ 2: delete spam when you're sure, otherwise mark it ✓ 3: delete all spam (you might loose some real mail) ✓ 11: only mark spam + greylisting ✓ 12: delete spam when you're sure, otherwise mark it + greylisting ✓ 13: delete all spam (you might loose some real mail) + greylisting <i>(Only if Host(y)Type is EmailServices)</i>
Host(y)Mail(z)AutoReply	<i>(Only if Host(y)Type is EmailServices)</i>
Host(y)Mail(z)Forward	<i>(Only if Host(y)Type is EmailServices)</i> A "," (comma) delimited list of target addresses

Parameters	Description
Host(y)Mail(z)Type	<p>(Only if Host(y)Type is EmailServices)</p> <p>(Only if Host(y)Mail(z)Password is filled in)</p> <ul style="list-style-type: none"> ✓ POP3 = POP3 MAILBOX (default) ✓ IMAPBRONZE= BRONZE IMAP mailbox (1GB) ✓ IMAPSILVER= SILVER IMAP mailbox (5GB) ✓ IMAPGOLD= GOLD IMAP mailbox (20GB) ✓ IMAPDIAMOND = DIAMOND IMAP mailbox (50GB) ✓ IMAPPLATINIUM = PLATINIUM IMAP mailbox (100GB)
Antivirus is standard active (Only if Host(y)Type is EmailServices)	
(x)FirstName	
(x)LastName	(required to create a new contact)
(x)Company	
(x)Company2	
(x)Street	(required to create a new contact)
(x)StreetNr	(required to create a new contact)
(x)Street2	
(x)Street3	
(x)PostCode	(required to create a new contact)
(x)Residence	(required to create a new contact)
(x)Country	(required to create a new contact)
(x)Phone	(required to create a new contact)
(x)CountryCode	(required to create a new contact) – 32 for Belgium, 31 for the Netherlands,...
(x)Fax	
(x)Email	(required to create a new contact)
(x)VATNumber	
Action	<ul style="list-style-type: none"> ✓ false or empty: Buy this domain name ✓ true: Only add the name to the account. Register it with the “extend” command.
Trustee	<ul style="list-style-type: none"> ✓ true: agree to using our local presence service (and paying possible local presence fees) if applicable for this request. This will be ignored if no local presence is required.
Bnameddnssec	<p>(only if DNSType=”G” or if DNSType=”B”)</p> <ul style="list-style-type: none"> ✓ false: deactivate dnssec ✓ true: activate dnssec

Parameters	Description
AddDnsSecAlgorithm(d)	(only if DNSType="E") Has numeric value. Possibilities can be fetched via command 'TLD'
AddDnsSecPublicKey(d)	(only if DNSType="E") Public key for new DNSSEC Record
RemoveDNSSec	(only if DNSType="E") <ul style="list-style-type: none"> ✓ Comma-separated list of Key Tags to be removed (can be fetched via command 'GetDomain') ✓ Can also have the value "all" to remove all DNSSEC records
Labels	A "," (comma) delimited list of labels (Add empty variable if you want to remove all labels)
googleDNS	(Only if DNSType="B") Link google-DNS to your domain name. <ul style="list-style-type: none"> ✓ false: deactivate googleDNS ✓ true: activate googleDNS
antiddos	(only if DNSType = "B") Link bullet-proof DNS namesers to your domain name. <ul style="list-style-type: none"> ✓ false: deactivate bullet-proof DNS ✓ true: activate bullet-proof DNS
WhoisPrivacy	<ul style="list-style-type: none"> ✓ true: Turn on WhoisPrivacy. You will first need to sign the WhoisPrivacy terms and conditions before being able to turn this on via the API
ExtendType	See chapter 6.2 page 77
Notes	Add internal information
PremiumCurrency	Currency of premium domain name
PremiumPriceNew	Createprice of premium domain name (only if PurchaseType = N)
PremiumPriceTransfer	TransferPrice of premium domain name (only if PurchaseType = B)

(d) should start at 0 and count upwards of you need more DNSSEC-records

(x) should be "Licensee", "Admin" or "OnSite".

(y) should start at 0 and count upwards of you need more subdomains

(z) should start at 0 and count upwards of you need more POP3 accounts

Returned parameters and values

Same as GetDomain if successful

If the error message indicates an error in one of the Host-values, the name will be registered, but the settings won't be applied. You should use the Update command to rectify this.

Example request

```
https://(...)&command=purchase&purchasetype=N&slid=domainname&tld=test
&LicenseeNr=-2&LicenseeFirstName=John&LicenseeLastName=Doe
&LicenseeCompany=JD%20Ltd&LicenseeStreet=Teracelane&LicenseeStreetNr=12
&LicenseePostCode=4321&LicenseeResidence=Brussels&LicenseeCountry=BE
&LicenseePhone=034004343&LicenseeCountryCode=32
&LicenseeEMail=JohnDoe%40NameWeb.biz&OnSiteNr=-1
&NumYears=1&DNSType=E&DNSList=ns1.yourname.be,ns2.yourname.be
```

Example response

```
<API>
  <Command>purchase</Command>
  <ErrorCode>0</ErrorCode>
  <ErrorText/>
  <Result>
    <SLD>domainname</SLD>
    <TLD>test</TLD>
    <StatusCode>N2</StatusCode>
    <StatusText>registration requested</StatusText>
    <Licensee>
      <ErrorCode>0</ErrorCode>
      <ContactNr>34483</ContactNr>
      <LastName>Doe</Name>
      <Street>Teracelane</Street>
      <StreetNr>12</StreetNr>
      <Street2/>
      <Street3/>
      <Postcode>4321</Postcode>
      <Residence>Brussels</Residence>
      <Country>Belgium</Country>
      <Phone>32.34004343</Phone>
      <EMail>JohnDoe@NameWeb.biz</EMail>
      <FirstName>John</FirstName>
      <Company>JD Ltd</Company>
      <Company2/>
      <Fax/>
      <VATNumber/>
      <Updatable>False</Updatable>
    </Licensee>
    <OnSite>
      <ErrorCode>0</ErrorCode>
      <ContactNr>34483</ContactNr>
      <LastName>Doe</LastName>
      <Street>Teracelane</Street>
      <StreetNr>12</StreetNr>
      <Street2/>
      <Street3/>
      <Postcode>4321</Postcode>
      <Residence>Brussels</Residence>
      <Country>Belgium</Country>
      <Phone>32.34004343</Phone>
      <EMail>JohnDoe@NameWeb.biz</EMail>
      <FirstName>John</FirstName>
      <Company>JD Ltd</Company>
      <Company2/>
      <Fax/>
      <VATNumber/>
      <Updatable>False</Updatable>
```

```
</OnSite>  
<DNSType>E</DNSType>  
<DNSList>ns1.yourname.be,ns2.yourname.be</DNSList>  
<DNSIPList>127.0.0.1,127.0.0.2</DNSIPList>  
<Expiration>16/10/2009</Expiration>  
<ExtendType>0</ExtendType>  
</Result>  
<Done>True</Done>  
<Time>1,200</Time>  
</API>
```

3.4 Extend

Extend the registration of an existing domain name or purchases a domain name that is in your account but that hasn't been registered yet.

Can also be used to reactivate a domain name as long as there is no extra reactivation fee. Will return an error if an extra reactivation fee would apply (so can safely be used to try to reactivate an expired domain name without having to check possible reactivation fees first).

Required parameters

<i>Parameters</i>	<i>Description</i>
SLD	Second level domain name
TLD	Top level domain name (extension)

Attention: Either NumYears or newExpiration has to be provided with the parameters

Optional parameters

<i>Parameters</i>	<i>Description</i>
OrderID	If used, should contain the OrderID returned in an earlier Purchase or GetDomain command for this domain name <ul style="list-style-type: none">✓ You can combine OrderID and SLD and TLD and then the request will only succeed if they match✓ Or you only supply OrderID✓ Or you only supply SLD and TLD
newExpiration	Provide the minimum new expiration date. The format of this parameter is "YYYY-MM-DD". The domain name will be extended to at least this date ² . No NumYears may be supplied when using "newExpiration".
NumYears	Number of years to renew/register the name. Should be a multitude of the minimum registration period (some TLD's require a minimum registration period of 2 years or even more). If NumYears is supplied, newExpiration will be ignored.
PremiumCurrency	Currency of premium domain name
PremiumPriceExtend	ExtendPrice of premium domain name

Returned parameters and values

Same as GetDomain if successful

² If the supplied date isn't the exact anniversary of the domain name, then extra years will be added until the minimum period past this date. A domain name with its anniversary on March 1st for which the newExpiration "2020-03-05" is given, will therefore be extended until 2021-03-01 (assuming it is under a TLD for which the minimum registration period is one year).

3.5 Reactivate

Reactivates the registration of an expired domain name.

Required parameters

<i>Parameters</i>	<i>Description</i>
SLD	Second level domain name
TLD	Top level domain name (extension)
IAgreeWithExtraReactivationCosts	Needs to be “YES” to indicate that you agree to possible extra reactivation charges. Attention: for some extensions, these charges might be rather high.

Attention: Either NumYears or newExpiration has to be provided with the parameters

Optional parameters

<i>Parameters</i>	<i>Description</i>
OrderID	If used, should contain the OrderID returned in an earlier Purchase or GetDomain command for this domain name <ul style="list-style-type: none">✓ You can combine OrderID and SLD and TLD and then the request will only succeed if they match✓ You only supply OrderID✓ You only supply SLD and TLD
newexpiration	Provide the minimum new expiration date. The format of this parameter is “YYYY-MM-DD”. The domain name will be extended to at least this date ³ . No NumYears may be supplied when using “newExpiration”.
NumYears	Number of years to renew the name. Should be a multiple of the minimum registration period (some TLD's require a minimum registration period of 2 years or even more). If NumYears is supplied, newExpiration will be ignored.

Returned parameters and values

Same as GetDomain if successful

³ If the supplied date isn't the exact anniversary of the domain name, then extra years will be added until the minimum period past this date. A domain name with its anniversary on March 1st for which the newExpiration “2020-03-05” is given, will therefore be extended until 2021-03-01 (assuming it is under a TLD for which the minimum registration period is one year).

3.6 ChangeExtendType

Change the value for Extend Type for this domain name.

Required parameters

<i>Parameters</i>	<i>Description</i>
SLD	Second level domain name
TLD	Top level domain name (extension)
ExtendType	See chapter 6.2 page 77

Optional parameters

<i>Parameters</i>	<i>Description</i>
OrderID	<p>If used, should contain the OrderID returned in an earlier Purchase or GetDomain command for this domain name</p> <ul style="list-style-type: none">✓ You can combine OrderID and SLD and TLD and then the request will only succeed if they match✓ You only supply OrderID✓ You only supply SLD and TLD

Returned parameters and values

Same as GetDomain if successful

3.7 Update

Update the information of a registered name. Only names with status “A” can be updated!

Required parameters

<i>Parameters</i>	<i>Description</i>
SLD	Second level domain name
TLD	Top level domain name (extension)

Optional parameters

<i>Parameters</i>	<i>Description</i>
OrderID	<p>If used, should contain the OrderID returned in an earlier Purchase or GetDomain command for this domain name</p> <ul style="list-style-type: none">✓ You can combine OrderID and SLD and TLD and then the request will only succeed if they match✓ You only supply OrderID✓ You only supply SLD and TLD
DNSType	<ul style="list-style-type: none">✓ E: Own name servers (this will make DNSList required)✓ G: No name servers✓ B: Use bNamed name servers (will be white label “nscluster” for sub-agents)✓ S: Your own name server plus our back-up name servers <p>If one parameter related to the technical settings of a domain name is supplied, all technical settings need to be repeated.</p>
LicenseeNr	<p>Number of an existing contact person or:</p> <ul style="list-style-type: none">✓ 0: if you want to force creating a new licensee contact⁴. Most often, “-2” will be preferable instead.✓ -2: lets our system take care of finding the correct LicenseeNr for you. You need to specify all other licensee-parameters as if you would be creating a new one. If a contact with that information doesn't exist yet, then a new one will actually be created. <p>If LicenseeNr is “0” or “-2”, all optional licensee-parameters should also be sent. If LicenseeNr is higher than zero, the other licensee-parameters will be ignored.</p> <p>For gTLD’s only: When changing the Licensee to either a new licensee or one with a different Email, Company or FirstName/Name, the reseller confirms to have a registration agreement with both the new and previous licensee in which the licensee appoints the reseller or bNamed.net as designated agent. The reseller is advised that such an update will result in an automatic 60-day transfer lock of the domain name and that if the goal is to transfer away this domain name within less than 60 days, you should refrain from carrying out such updates.</p>

<i>Parameters</i>	<i>Description</i>
OnSiteNr	<p>Number of an existing contact person or:</p> <ul style="list-style-type: none"> ✓ 0: if you want to force creating a new on-site contact⁴. Most often, “-2” will be preferable instead. ✓ -1: if the OnSite should be the same contact as the licensee ✓ -2: lets our system take care of finding the correct OnSiteNr for you. You need to specify all other OnSite-parameters as if you would be creating a new one. If a contact with that information doesn't exist yet, then a new one will actually be created. <p>If OnSiteNr is “0” or “-2”, all optional OnSite-parameters should also be sent. If OnSiteNr is higher than zero or equals “-1”, the other OnSite-parameters will be ignored.</p>
UpdateHosts	<p>Only if DNSType=B is also specified in the request</p> <p>If not specified or “false”, then all the current hosts will be replaced by the hosts specified in this command. So all hosts not specified again, will be removed.</p> <p>If “true”, all Host(y) will be considered as updates of existing hosts. If the hosts doesn't exist, then it will be added. The already existing hosts not specified in the request, will not be altered.</p>
All optional fields of the “purchase” command can also be used with this command.	

Returned parameters and values

Same as GetDomain if successful

4 Our system only allows for one identical unused contact. If an existing unused contact with identical information is found when creating a new contact, the existing contact ID will be used instead. Once a contact is connected to a domain name, it is considered “in use” and an extra new contact with the exact same information can be created.

3.8 GetDomain

This will return all information of one specific name (including contact information).

Required parameters

Parameters	Description
SLD	Second level domain name
TLD	Top level domain name (extension)

Optional parameters

Parameters	Description
OrderID	If used, should contain the OrderID returned in an earlier Purchase or GetDomain command for this domain name <ul style="list-style-type: none">✓ You can combine OrderID and SLD and TLD and then the request will only succeed if they match✓ You only supply OrderID✓ You only supply SLD and TLD

Returned parameters and values

Parameters	Description
Command	Name of the command executed
ErrorCode	0 if successful.
ErrorText	Empty if no error
TLD	TLD being updated
SLD	SLD being updated
StatusCode	See chapter 6.1 page 75
StatusText	Text which accompanies and describes the StatusCode
TransferInformation	Optional returnValue with information about pending transfer requests
LicenseeNr	Number of the licensee connected to this name
AdminNr	Number of the admin connected to this name – if a separate admin isn't supported for this TLD, then this parameter will not be returned.
OnSiteNr	Number of the on-site contact connected to this name
DNSType	<ul style="list-style-type: none">✓ E: Own name servers✓ B: bNamed name servers✓ S: own name server + bNamed Backup DNS
DNSList	A “,” (comma) delimited list of name servers.
DNSIPList	A “,” (comma) delimited list of IP-addresses of name servers.
Paperwork	URL where paperwork can be downloaded

<i>Parameters</i>	<i>Description</i>
TransferLock	Optional returnValue with lock status if possible for this TLD: <ul style="list-style-type: none"> ✓ false: Lock is off ✓ true: Lock is on
Expiration	Current expiration date.
RenewalDeadline	Deadline to request domain name renewal
SpecialFields	Optional returnValue with extra information we are still waiting for to continue request.
DNSSec	DNSSEC Records for this specific domain-name with all details
OrderID	ID of the domain name
Done	True if successful

3.9 CreateContact

Create a new licensee or on-site contact. This should only be used when you want to create a new contact and not purchase a new name.

Our system only allows for one identical unused contact. If an existing unused contact with identical information is found when creating a new contact, the existing contact ID will be used instead.

Once a contact is connected to a domain name, it is considered “in use” and an extra new contact with the exact same information can be created.

Required parameters

Parameters	Description
LastName	
FirstName	
Street	
Postcode	
Residence	
Country	
Phone	
EMail	

Optional parameters

Parameters	Description
StreetNr	
Company	
Company2	
Street2	
Street3	
StateProvince	
Fax	
Language	<ul style="list-style-type: none">✓ <i>nl: dutch</i>✓ <i>fr: french</i>✓ <i>en: english (default)</i>
VATNumber	

Returned parameters and values

Parameters	Description
Command	Name of the command executed
ErrorCode	0 if successful.
ErrorText	Empty if no error

<i>Parameters</i>	<i>Description</i>
ContactNr	Number of the contact just created
Done	True if successful

3.10 GetContact

Returns all the information of a specific contact.

Required parameters

<i>Parameters</i>	<i>Description</i>
Nr	Number of the contact you want to get information about

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
ErrorCode	0 if successful.
ErrorText	Empty if no error
ContactNr	Number of the contact
LastName	<i>Extra parameter if Name is not updatable: locked="true"</i>
Street	
StreetNr	
Postcode	
Residence	
StateProvince	
Country	
Phone	
EMail	
FirstName	<i>Extra parameter if FirstName is not updatable: locked="true"</i>
Company	<i>Extra parameter if Company is not updatable: locked="true"</i>
Company2	<i>Extra parameter if Company2 is not updatable: locked="true"</i>
Street2	
Street3	
Fax	
Done	True if successful

3.11 GetContactList

Returns a list of all the contacts of a certain user, or all your own contacts. The contacts full name and e-mail address are returned so you can list them easily without having to call GetContact.

Optional parameters

<i>Parameters</i>	<i>Description</i>
Searchvalue	Only list the contacts whose e-mail address, last name, first name or company contains this value

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
ErrorCode	<ul style="list-style-type: none">✓ 0: if successful.✓ Errors smaller then 0 are non-fatal, but might mean the request has to be looked at by bNamed manually.
ErrorText	Empty if no error
ContactNr	
ContactFirstName	
ContactLastName	
ContactEMail	
Done	True if successful

3.12 UpdateContact

Update an existing licensee or on-site contact.

Required parameters

<i>Parameters</i>	<i>Description</i>
Nr	Number of the contact you want to update
LastName	
FirstName	
Street	
Postcode	
Residence	
Country	
CountryCode	<i>32 for Belgium, 31 for the Netherlands,...</i>
Phone	
EMail	

Optional parameters

<i>Parameters</i>	<i>Description</i>
Company	
Company2	
StreetNr	
Street2	
Street3	
Fax	
VATNumber	
Language	<ul style="list-style-type: none">✓ <i>nl: dutch</i>✓ <i>fr: french</i>✓ <i>en: english (default)</i>

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
ErrorCode	0 if successful.
ErrorText	Empty if no error
ContactNr	Number of the contact just created
Done	True if successful

For contacts connected to gTLD's only: When changing the Licensee to either a new licensee or one with a different Email, Company or First Name/Name, the reseller confirms to have a registration agreement with both the new and previous licensee in which the licensee appoints the reseller or bNamed.net as designated agent.

The reseller is advised that such an update will result in an automatic 60-day transfer lock of the gTLD domain names connected to this contact and that if the goal is to transfer away any of these domain names within less than 60 days, you should refrain from carrying out such updates.

3.13 DeleteContact

Removes a contact, if this is not connected to any domain names.

Required parameters

<i>Parameters</i>	<i>Description</i>
Nr	Number of the contact you want to delete

3.14 GetDomainList

Optional parameters

<i>Parameters</i>	<i>Description</i>
ContactNr	Give the domain names for which this contact is Licensee or Onsite.
Status	<ul style="list-style-type: none">✓ Active: returns only the active domain names✓ InActive: returns only the inactive domain names
LicenseeEMail	Give the domain names which are linked to a certain Licensee Email-address. You will only get Active domain names if you pass this parameter.
Include	<ul style="list-style-type: none">✓ DNSList (Include=DNSLIST) : also show the nameservers
label	<ul style="list-style-type: none">✓ Give the domain names for which a certain label is linked

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
ErrorCode	<ul style="list-style-type: none">✓ 0 if successful.✓ Errors smaller than 0 are non-fatal, but might mean the request has to be looked at by bNamed manually.
ErrorText	Empty if no error
SLD	
TLD	
LicenseeNr	
OnSiteNr	
StatusCode	See chapter 6.1 page 75
Expiration	Current expiration date
ExtendType	See chapter 6.2 page 77
Done	True if successful

3.15 Delete

Deletes a domain name. You can only delete a domain name that isn't active or pending.

If you don't want to extend an active domain name, use the Update command and specify the ExtendType "-1".

Required parameters

<i>Parameters</i>	<i>Description</i>
SLD	Second level domain name
TLD	Top level domain name (extension)

Optional parameters

<i>Parameters</i>	<i>Description</i>
OrderID	<p>If used, should contain the OrderID returned in an earlier Purchase or GetDomain command for this domain name</p> <ul style="list-style-type: none">✓ You can combine OrderID and SLD and TLD and then the request will only succeed if they match✓ You only supply OrderID✓ You only supply SLD and TLD

Returned parameters and values

3.16 Regions

TLD's are sorted per region. For ccTLD's this is the content to which a country belongs. For gTLD's an attempt was made to select relevant categories in which to place the gTLD's.

One TLD might be listed in multiple regions.

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Regions	Offered regions

3.17 TLDs

Attention: one TLD might be listed in multiple regions.

Required parameters

<i>Parameters</i>	<i>Description</i>
region	Region for which you need a list of offered TLD's

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
TLD	
Dutch	Dutch country name
English	English country name
French	French country name

3.18 TLD

Required parameters

<i>Parameters</i>	<i>Description</i>
TLD	Comma separated list of TLD's

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
TLD	
Currency	
DNSSec	DNSSEC information (algorithms)
LPCountries	Local presence countries
LPPriceNew	Your pricing
LPPriceEndUser	End-user pricing
LPPriceExtend	
LPPriceExtendEndUser	
PriceExtend	Your pricing
PriceExtendEndUser	End-user pricing
PriceNew	
PriceNewEndUser	
PriceTransfer	
PriceTransferEndUser	
PriceUpdate	
PriceUpdateEndUser	
Registration_Period	
Transfer_Period	
Extend_Period	
Country_NL	
Country_EN	
Country_FR	
Regio_NL	Comma separated text with different Regio's per TLD
Regio_EN	
Regio_FR	
Restrictions_NL	
Restrictions_EN	
Restrictions_FR	

<i>Parameters</i>	<i>Description</i>
RegistrationPeriodAfter Transfer	What happens to RegistrationPeriod after transfer? <ul style="list-style-type: none"> ✓ lost: The registrationperiod starts over ✓ extended: The registration period is extended with the minimum period.
SpecialFields	Gives an overview of extra information that is specific for this TLD

3.19 TLDAII

Shows information about all offered TLDs by bNamed.

Required parameters

<i>Parameters</i>	<i>Description</i>

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
CreationTime	Date and time of generated overview
Same parameters as command "TLD"	

Example request

```
https://(...)&command=TLDAII
```

Example response

```
<API>
<Command>tld</Command>
<ErrorCode>0</ErrorCode>
<ErrorText/>
<Result>
<TLDs>
<TLD1>
<Country_EN>Belgium</Country_EN>
<Country_FR>Belgique</Country_FR>
<Country_NL>Belgie</Country_NL>
<Extra>
<TradePossible>True</TradePossible>
</Extra>
<LocalPresence>
<LPCountries/>
<LPPPriceEndUser/>
<LPPPriceExtend/>
<LPPPriceExtendEndUser/>
<LPPPriceNew/>
</LocalPresence>
<Prices>
<Currency>EUR</Currency>
<PriceExtend>99,99 euro</PriceExtend>
<PriceExtendEndUser>99,99 euro</PriceExtendEndUser>
<PriceNew IsPromo="True" NormalPrice="999,99 euro" PromoEnds="2020-03-31T00:00:00.000Z">99,99 euro</PriceNew>
<PriceNewEndUser>99,99 euro</PriceNewEndUser>
<PriceTransfer>99,99 euro</PriceTransfer>
<PriceTransferEndUser>99,99 euro</PriceTransferEndUser>
<PriceUpdate>0,00 euro</PriceUpdate>
<PriceUpdateEndUser>0,00 euro</PriceUpdateEndUser>
</Prices>
<Reactivation>
<Period_1>
<Surcharge>8,00 euro</Surcharge>
```

```
<Term>40</Term>
</Period_1>
</Reactivation>
<Regio_EN>Local</Regio_EN>
<Regio_FR>Lokaal</Regio_FR>
<Regio_NL>Lokaal</Regio_NL>
<Registration_Period>1,2,3,4,5,6,7,8,9,10</Registration_Period>
<Restrictions_EN/>
<Restrictions_FR/>
<Restrictions_NL/>
<SpecialFields/>
<TLD>be</TLD>
</TLD1>
...
</TLDs>
</Result>
<Done>True</Done>
<Time>0,186</Time>
</API>
```

3.20 Lock

Locks or unlocks a domain name. If there is an epp-code, this is sent to the email address of the owner known when unlocking the domain name

Required parameters

<i>Parameters</i>	<i>Description</i>
SLD	Second level domain name
TLD	Top level domain name (extension)
Lock	<ul style="list-style-type: none">✓ 0: Switch off lock and sending epp-code to the owner known in the whois✓ 1: Switch on lock

Optional parameters

<i>Parameters</i>	<i>Description</i>
-------------------	--------------------

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
AuthKey	EPP-code if required by TLD
DNaam	Domain name
LockStatus	Action done for domain name

Example request

```
https://(...)&command=lock&SLD=domainname&tld=test&lock=0
```

Example response

```
<API>
  <Command>lock</Command>
  <ErrorCode>0</ErrorCode>
  <ErrorText/>
  <Result>
    <AuthKey>EPP-code</AuthKey>
    <DNaam>domainname.test</DNaam>
    <LockStatus>
      Lock switched off. EPP-key(token) sent to emailaddress owner
    </LockStatus>
  </Result>
  <Done>True</Done>
  <Time>1,801</Time>
</API>
```

3.21 Alternative

Suggests alternative domain names that are related to a keyword or domain name

Required parameters

<i>Parameters</i>	<i>Description</i>
SLD	Domain name for which you want our system to suggest alternatives
maximum	Maximum amount of alternatives to suggest

Optional parameters

<i>Parameters</i>	<i>Description</i>
Language	Currently “nl”, “en” and “fr” are supported as language. We advice to enter this parameter to improve accurate results

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
AlternativeX	Suggested alternative

X will be a number counting from 1 to the amount of alternatives found (there might be less than the requested maximum amount of alternatives)

Example request

```
https://(...)&command=alternative&SLD=domainname&maximum=10
```

Example response

```
<API>
  <Command>alternative</Command>
  <ErrorCode>0</ErrorCode>
  <ErrorText/>
  <Result>
    <Alternatives>
      <Alternative1>domainname</Alternative1>
      <Alternative2>domainnames</Alternative2>
      <Alternative3>domain-name</Alternative3>
      <Alternative4>domainnameLinux</Alternative4>
      <Alternative5>domainNameLookup</Alternative5>
      <Alternative6>domainNameRegistration</Alternative6>
      <Alternative7>domainnamewire</Alternative7>
      <Alternative8>domainnamesanity</Alternative8>
      <Alternative9>domainNameSearch</Alternative9>
      <Alternative10>domainnameshop</Alternative10>
    </Alternatives>
  </Result>
  <Done>True</Done>
  <Time>1,801</Time>
</API>
```

3.22 TransferReminder

Resends the confirmation email to licensee and admin

Required parameters

<i>Parameters</i>	<i>Description</i>
SLD	Second level domain name
TLD	Top level domain name (extension)

Optional parameters

<i>Parameters</i>	<i>Description</i>
-------------------	--------------------

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
ErrorCode	0 if successful
ErrorText	Empty if no error

Example request

```
https://(...)&command=transferReminder&sld=sld&tld=tld
```

Example response

```
<API>  
<Command>transferReminder</Command>  
<ErrorCode>0</ErrorCode>  
<ErrorText/>  
<Done>True</Done>  
<Time>0,123</Time>  
</API>
```

3.23 GetReactivatableDomains

Give overview of all reactivatable Domain names

Required parameters

Parameters	Description
------------	-------------

Optional parameters

Parameters	Description
------------	-------------

Returned parameters and values

Parameters	Description
Command	Name of the command executed
SLD	
TLD	
ReactivatableUntil	Until when is domain name reactivatable? Extra Information: <ul style="list-style-type: none">✓ lastReactivationPhase="True": Final chance to reactivate domain name✓ lastReactivationPhase="False": After date it is still possible to reactivate domain name but extra charges will then apply
Fee	Price to reactivate domain name

Example request

```
https://(...)&command=GetReactivatableDomains
```

Example response

```
<API>
  <Command>purchase</Command>
  <ErrorCode>0</ErrorCode>
  <ErrorText/>
  <Result>
    <Domain0>
      <SLD>domainname</SLD>
      <TLD>test</TLD>
      <ReactivatableUntil lastReactivationPhase="False">99/99/9999</ReactivatableUntil>
      <Fee>€ 99,99</Fee>
    </Domain0>
    <Domain1>
      <SLD>domainname2</SLD>
      <TLD>test</TLD>
      <ReactivatableUntil lastReactivationPhase="True">99/99/9999</ReactivatableUntil>
      <Fee>€ 99,99</Fee>
    </Domain1>
    ...
  </Result>
  <Done>True</Done>
  <Time>1,5</Time>
```


3.24 GetEmailVerification

Give overview of email addresses still to be verified

Required parameters

<i>Parameters</i>	<i>Description</i>
-------------------	--------------------

Optional parameters

<i>Parameters</i>	<i>Description</i>
-------------------	--------------------

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
Email	Email-address
StartDate	Date of first Verification-email
LastAction	Date of last action
Status	Urgency-level

Example request

```
https://(...)&command=getEmailVerification
```

Example response

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<API>
<Command>getEmailVerification</Command>
<ErrorCode>0</ErrorCode>
<ErrorText/>
<Result>
<Verifications>
<Verification1>
<Email>info@email.com</Email>
<StartDate>2014-03-01T00:00:00.000Z</StartDate>
<LastAction>2014-03-01T00:00:00.000Z</LastAction>
<Status>Urgent</Status>
</Verification1>
<Verification2>
<Email>info@bnamed.net</Email>
<StartDate>2014-03-01T00:00:00.000Z</StartDate>
<LastAction>2014-03-01T00:00:00.000Z</LastAction>
<Status>Urgent</Status>
</Verification2>
</Verifications>
</Result>
<Done>True</Done>
<Time>0,191</Time>
</API>
```

3.25 ResendEmailVerification

Give overview of email addresses still to be verified

Required parameters

<i>Parameters</i>	<i>Description</i>
Email	Email-address for which the verification-email has to be resent

Optional parameters

<i>Parameters</i>	<i>Description</i>
-------------------	--------------------

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed

Example request

`https://(...)&command=ResendEmailVerification&email=info@email.com`

3.26 ERRP

According to ICANN's "Expired Registration Recovery Policy" we are required to send a notice about the expiration of the domain name to the owner of a gTLD about one month before the expiration date and one notice about one week before the expiration date.

If you want, you can however also this this e-mail yourselves. To prevent our system from also sending out such an e-mail, you will however need to inform us once such an e-mail is sent.

The first e-mail needs to be sent no sooner than 35 days before the expiration date and no later than 28 days before the expiration date.

The second e-mail needs to be sent no sooner than 10 days before the expiration date and no later than 6 days before the expiration date.

You will need to send a copy of the e-mail's contents to us via an API request at the time of sending this e-mail. By sending in the API request you confirm that the e-mail has actually been sent

Command only possible via POST request!

Required parameters

<i>Parameters</i>	<i>Description</i>
SLD	Second level domain name
TLD	Top level domain name (extension)
Recipient	E-mail address to which the e-mail has been sent (needs to be the e-mail address of the licensee)
Subject	Title of email
Body	Content of email

Optional parameters

<i>Parameters</i>	<i>Description</i>
-------------------	--------------------

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
ErrorCode	0 if successful
ErrorText	Empty if no error

Example request

```
https://(...) &command=ERRP
```

3.27 Transactions

Get an overview of transactions in your account. When no parameters are submitted, you will get an overview of the transactions of the last 3 months.

Required parameters

<i>Parameters</i>	<i>Description</i>
-------------------	--------------------

Optional parameters

<i>Parameters</i>	<i>Description</i>
StartDate	Start date of the transaction. This can be a maximum of 12 prior to EndDate. Format: YYYY-MM-DD
EndDate	End date of the transactions If omitted, this is assumed to be today. Format: YYYY-MM-DD

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
ErrorCode	0 if successful
ErrorText	Empty if no error
Amount	Transaction amount
Date	Transaction date
Billing	Billing contact: information

Example request

```
https://(...)&command=Transactions
```

Example response

```
<API>
<Command>Transactions</Command>
<ErrorCode>0</ErrorCode>
<ErrorText/>
<Result>
<Transactions>
<Transaction1>
<Amount>+100,00</Amount>
<Billing>...
</Billing>
<Date>2021-01-10T07:10:25.000Z</Date>
<Reason>YourName.be</Reason>
</Transaction1>
....
</Transactions>
```

```
</Result>  
<Done>True</Done>  
<Time>0,415</Time>  
</API>
```

3.28 Report

Request a download of a report. This will be sent via email.

Required parameters

Parameters	Description
Type	Type of overview: <ul style="list-style-type: none">✓ Domains: Overview of domain names✓ Contacts: Overview of contacts✓ Techsettings: Overview of technical settings✓ Tlds: Overview of tlds✓ Certs: Overview of certificates

Optional parameters

Parameters	Description
Email	Email address of sending overview.
Language	Language of overview: <ul style="list-style-type: none">✓ NL: Dutch✓ FR: French✓ EN: English
Admin	(only if Type = Domains) Add information about admin-details <ul style="list-style-type: none">✓ true: add information✓ false: do not add information
Onsite	(only if Type = Domains) Add information about onsite-details <ul style="list-style-type: none">✓ true: add information✓ false: do not add information
Billing	(only if Type = Domains) Add information about billing-details <ul style="list-style-type: none">✓ true: add information✓ false: do not add information
Licensee	(only if Type = Techsettings) Only the technical settings of the domains of this licensee.

Returned parameters and values

Parameters	Description
Command	Name of the command executed
ErrorCode	0 if successful
ErrorText	Empty if no error

Example request

```
https://(...)&command=report&type=domains&email=info@yourname.be&language=nl
```

Example response

```
<API>  
<Command>getreport</Command>  
<ErrorCode>0</ErrorCode>  
<ErrorText/>  
<Result/>  
<Done>True</Done>  
<Time>0,418</Time>  
</API>
```

4 Certificates

4.1 PurchaseCert

Command only possible via POST request!

Required parameters

<i>Parameters</i>	<i>Description</i>
CN	Common Name (name to protect in the certificate).
CertType	By default the following are supported. If you need a different type of certificate, do let us know: <ul style="list-style-type: none">✓ QuickSSL: (Geotrust Quick SSL Premium)✓ RapidSSLWild: (Geotrust RapidSSL Wildcard)✓ ComEV: (Sectigo EV)✓ ComEVMulti: (Sectigo EV Multi)✓ ComMulti: (Sectigo PositiveSSL Multi-domain)✓ ComWild: (Sectigo wildcard)✓ PositiveSSL (Sectigo PositiveSSL)
NumYears	Number of years you want to register certificate
Licenseenr	Licensee contact
Onsitennr	Technical contact
CSR	Certificate Signing Request (not required if GenerateCSR=True)
Confirmation	<ul style="list-style-type: none">✓ EMAIL: confirmation will be via e-mail✓ SSLHTTP: confirmation will be by placing a file on the website✓ DNS: via CNAME in DNS
GenerateCSR	<ul style="list-style-type: none">✓ True: bNamed provides the private key and certificate in PEM format✓ False: Provide your own CSR✓ PFX: bNamed provides a PFX (Ideal for Windows servers)

Required for SAN cert

<i>Parameters</i>	<i>Description</i>
SAN	This should be one name per line

Optional parameters

<i>Parameters</i>	<i>Description</i>
Email	E-mail address that will be used for the validation. This may only be an e-mail address returned by getCertApproverEmailList (if Confirmation=EMAIL)

Returned parameters and values

Same as GetCert if successful

4.2 GetCertApproverEmailList

Required parameters

<i>Parameters</i>	<i>Description</i>
CN	Common Name (name to protect in the certificate).
CertType	By default the following are supported. If you need a different type of certificate, do let us know: <ul style="list-style-type: none">✓ QuickSSL: (Geotrust Quick SSL Premium)✓ RapidSSLWild: (Geotrust RapidSSL Wildcard)✓ ComEV: (Sectigo EV)✓ ComEVMulti: (Sectigo EV Multi)✓ ComMulti: (Sectigo PositiveSSL Multi-domain)✓ ComWild: (Sectigo wildcard)✓ PositiveSSL (Sectigo PositiveSSL)

Optional parameters

<i>Parameters</i>	<i>Description</i>
-------------------	--------------------

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
ErrorCode	0 if successful.
ErrorText	Empty if no error
CN	Certificate Name
CertType	Certificate Type
Email	Approved emailaddress for this certificate
Done	True if successful

4.3 GetCert

Required parameters

<i>Parameters</i>	<i>Description</i>
CN	Common Name (name to protect in the certificate).
CertType	By default the following are supported. If you need a different type of certificate, do let us know: <ul style="list-style-type: none">✓ QuickSSL: (Geotrust Quick SSL Premium)✓ RapidSSLWild: (Geotrust RapidSSL Wildcard)✓ ComEV: (Sectigo EV)✓ ComEVMulti: (Sectigo EV Multi)✓ ComMulti: (Sectigo PositiveSSL Multi-domain)✓ ComWild: (Sectigo wildcard)✓ PositiveSSL (Sectigo PositiveSSL)

Optional parameters

<i>Parameters</i>	<i>Description</i>
-------------------	--------------------

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
ErrorCode	0 if successful.
ErrorText	Empty if no error
CN	Certificate Name
CertType	Certificate Type
StatusCode	See chapter 6.1 page 75
StatusText	Text which accompanies and describes the StatusCode
Licensee	Owner: information
OnSite	Technical contact: information
Billing	Billing contact: information
Expiration	Current expiration date.
RenewalDeadline	Deadline to request domain name renewal
ExtendType	See chapter 6.2 page 77
Done	True if successful

4.4 ReissueCert

Command only possible via POST request!

Required parameters

<i>Parameters</i>	<i>Description</i>
CN	Common Name (name to protect in the certificate).
CertType	By default the following are supported. If you need a different type of certificate, do let us know: <ul style="list-style-type: none">✓ QuickSSL: (Geotrust Quick SSL Premium)✓ RapidSSLWild: (Geotrust RapidSSL Wildcard)✓ ComEV: (Sectigo EV)✓ ComEVMulti: (Sectigo EV Multi)✓ ComMulti: (Sectigo PositiveSSL Multi-domain)✓ ComWild: (Sectigo wildcard)✓ PositiveSSL (Sectigo PositiveSSL)
CSR	Certificate Signing Request (not required if GenerateCSR=True)
Confirmation	<ul style="list-style-type: none">✓ EMAIL: confirmation will be via e-mail✓ SSLHTTP: confirmation will be by placing a file on the website✓ DNS: via CNAME in DNS
GenerateCSR	<ul style="list-style-type: none">✓ True: bNamed provides the private key and certificate in PEM format✓ False: Provide your own CSR✓ PFX: bNamed provides a PFX (Ideal for Windows servers)

Optional parameters

<i>Parameters</i>	<i>Description</i>
Email	E-mail address that will be used for the validation. This may only be an e-mail address returned by getCertApproverEmailList (if Confirmation=EMAIL)

Returned parameters and values

Same as GetCert if successful

4.5 ExtendCert

A certificate can be extended for max. 1 year. An extension of a certificate can be start-up one month before its expiry date

Required parameters

<i>Parameters</i>	<i>Description</i>
CN	Common Name (name to protect in the certificate).
CertType	By default the following are supported. If you need a different type of certificate, do let us know: <ul style="list-style-type: none">✓ QuickSSL: (Geotrust Quick SSL Premium)✓ RapidSSLWild: (Geotrust RapidSSL Wildcard)✓ ComEV: (Sectigo EV)✓ ComEVMulti: (Sectigo EV Multi)✓ ComMulti: (Sectigo PositiveSSL Multi-domain)✓ ComWild: (Sectigo wildcard)✓ PositiveSSL (Sectigo PositiveSSL)
CSR	Certificate Signing Request (not required if GenerateCSR=True)
Confirmation	<ul style="list-style-type: none">✓ EMAIL: confirmation will be via e-mail✓ SSLHTTP: confirmation will be by placing a file on the website✓ DNS: via CNAME in DNS
GenerateCSR	<ul style="list-style-type: none">✓ True: bNamed provides the private key and certificate in PEM format✓ False: Provide your own CSR✓ PFX: bNamed provides a PFX (Ideal for Windows servers)

Optional parameters

<i>Parameters</i>	<i>Description</i>
-------------------	--------------------

Returned parameters and values

Same as GetCert if successful

4.6 GetCertRequest

Request information about pending certificate-request.

Required parameters

<i>Parameters</i>	<i>Description</i>
CN	Common Name (name to protect in the certificate).
CertType	By default the following are supported. If you need a different type of certificate, do let us know: <ul style="list-style-type: none">✓ QuickSSL: (Geotrust Quick SSL Premium)✓ RapidSSLWild: (Geotrust RapidSSL Wildcard)✓ ComEV: (Sectigo EV)✓ ComEVMulti: (Sectigo EV Multi)✓ ComMulti: (Sectigo PositiveSSL Multi-domain)✓ ComWild: (Sectigo wildcard)✓ PositiveSSL (Sectigo PositiveSSL)

Optional parameters

<i>Parameters</i>	<i>Description</i>
-------------------	--------------------

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
ErrorCode	0 if successful.
ErrorText	Empty if no error
Name	Certificate-item
Request	
Status	<ul style="list-style-type: none">✓ Value="0": Waiting✓ Value="1": Approved✓ Value="2": Not able to check
Validation	
Type	<ul style="list-style-type: none">✓ EMAIL: Confirmation via email✓ DNS: Confirmation via name servers✓ FILE: Confirmation via file on server
ValidationParameters	

<i>Parameters</i>	<i>Description</i>
FileLocation	Location and name of file expected for verification (if Type='File')
FileContent	Content of file (if Type='File')
DnsRecord	Subdomain expected in name servers (if Type='DNS')
DnsValue	Value of subdomain in name servers (if Type='DNS')
DnsRecordType	Type of record in name servers (if Type='DNS')
Email	Email address to which confirmation email is sent (if Type='EMAIL')
Done	True if successful

Code

Example request

```
https://  
(...) &command=getCertRequest&CN=www.yourname.be&CertType=PositiveSSL
```

Example response

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>  
<API>  
<Command>getEmailVerification</Command>  
<ErrorCode>0</ErrorCode>  
<ErrorText/>  
<Result>  
<Requests>  
<Request>  
<Name>yourname.be</Name>  
<Status value="1">APPROVED</Status>  
</Request>  
<Request>  
<Name>test.yourname.be</Name>  
<Status value="0">WAITING</Status>  
<Validation>  
<Type>FILE</Type>  
<ValidationParameters>  
<FileLocation>www.yourname.be/.well-known/pki-validation/file.txt</FileLocation>  
<FileContent>inhouABC  
comodoca.com</FileContent>  
</ValidationParameters>  
</Validation>  
</Request>  
</Requests>  
</Result>
```

```
<Done>True</Done>  
<Time>0,719</Time>  
</API>
```


4.7 UpdateCertValidation

Update the verification-method of a certificate-request-item or resend confirmation-email.

Required parameters

<i>Parameters</i>	<i>Description</i>
CN	Common Name (name to protect in the certificate).
CertType	By default the following are supported. If you need a different type of certificate, do let us know: <ul style="list-style-type: none">✓ QuickSSL: (Geotrust Quick SSL Premium)✓ RapidSSLWild: (Geotrust RapidSSL Wildcard)✓ ComEV: (Sectigo EV)✓ ComEVMulti: (Sectigo EV Multi)✓ ComMulti: (Sectigo PositiveSSL Multi-domain)✓ ComWild: (Sectigo wildcard)✓ PositiveSSL (Sectigo PositiveSSL)
Name	Which certificate-item do you want to update
Type	New type of confirmation <ul style="list-style-type: none">✓ File: confirmation via file✓ DNS: confirmation via name-servers✓ Email: confirmation via email
Email	New email address to which will be sent the confirmation-email. (if Type='EMAIL')

Optional parameters

<i>Parameters</i>	<i>Description</i>
-------------------	--------------------

Returned parameters and values

Same as GetCertRequest if successful

4.8 GetCertList

Gets the list of certificates in your account

Optional parameters

<i>Parameters</i>	<i>Description</i>
-------------------	--------------------

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
ErrorCode	<ul style="list-style-type: none">✓ 0 if successful.✓ Errors smaller than 0 are non-fatal, but might mean the request has to be looked at by bNamed manually.
ErrorText	Empty if no error
CN	Common Name (name to protect in the certificate).
CertType	Type of certificate
StatusCode	See chapter 6.1 page 75
Expiration	Current expiration date
ExtendType	See chapter 6.2 page 77
Done	True if successful

5 Finances

5.1 CreateOrder

Creates an order for extra credit and sends email with URL in to the billing Contact

Required parameters

<i>Parameters</i>	<i>Description</i>
amount	Amount to be put on the order (exclusive VAT)

Optional parameters

<i>Parameters</i>	<i>Description</i>
cnr	Contact ID that should be used as billing contact

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
URL	URL to download the order

Example request

```
https://(...) &command=createOrder&amount=300&cnr=1234
```

Example response

```
<API>
<Command>createOrder</Command>
<ErrorCode>0</ErrorCode>
<ErrorText/>
<Result>
<OrderInformation>
<URL>https://www.bNamed.net/nl/Bestelling?B=abcdef</URL>
</OrderInformation>
</Result>
<Done>True</Done>
<Time>0,646</Time>
</API>
```

5.2 GetOrders

Gives an overview of orders/invoices in your account

Required parameters

<i>Parameters</i>	<i>Description</i>
-------------------	--------------------

Optional parameters

<i>Parameters</i>	<i>Description</i>
status	<ul style="list-style-type: none">✓ Paid: show only paid invoices✓ Unpaid: show only unpaid orders/invoices

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Command	Name of the command executed
Total	Total Amount (inclusive VAT)
Net	Total Amount (exclusive VAT)
VAT	Amount VAT
Paid	true/false: already paid
InvoiceNr	Invoice number
Expiration Date	Date order valid until YYYY-MM-DD

Example request

```
https://(...) &command=GetOrders&status=paid
```

Example response

```
<API>
<Command>getOrders</Command>
<ErrorCode>0</ErrorCode>
<ErrorText/>
<Result>
<Orders>
<Order9999>
<Amounts>
<Total>€ 999,99</Total>
<Net>€ 99,99</Net>
<VAT>€ 99,99</VAT>
</Amounts>
<Paid>true</Paid>
<InvoiceNr>999999</InvoiceNr>
<ExpirationDate>9999-99-99</ExpirationDate>
</Order9999>
</Result>
<Done>True</Done>
<Time>0,123</Time>
</API>
```

5.3 GetDeposit

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Deposit	Available deposit (credit) in your account

6 Values

6.1 Status Code

- ✓ A: Active
- ✓ ANS: Active, Nameservers not accepted
- ✓ AI: Active, Extra Information needed
- ✓ AEXT: Active, Expired
- ✓ ATR: Active, Pending Trade
- ✓ ATRI: Active, Pending Trade, Extra Information needed
- ✓ AEMAIL: Active, Email verification needed
- ✓ M: Will have to be processed manually by us
- ✓ N1: Unpaid for registration (sending an update request while having sufficient credit will pay for this registration)
- ✓ N2: Registration in progress
- ✓ NP: Waiting for paperwork
- ✓ NI: Extra information needed
- ✓ NW: Waiting for extra information from you
- ✓ B1: Unpaid for transfer (sending an update request while having sufficient credit will pay for this transfer)
- ✓ B2: Transfer in progress
- ✓ B3: Waiting for confirmation from licensee
- ✓ B4: Waiting for Whois-Check
- ✓ B5: Waiting for release by current Registrar
- ✓ BI: Extra information needed
- ✓ BP: Waiting for paperwork
- ✓ BW: Waiting for extra information from you
- ✓ BV: Expired transfer-request
- ✓ BL: Transfer, waiting for unlock
- ✓ BNS: Transfer, Nameservers not set correctly
- ✓ G0: Name Monitor
- ✓ G1: Unpaid for NameSeizer
- ✓ G2: NameSeizer pending
- ✓ G3: Domain Buy Service
- ✓ G4: Name Monitor
- ✓ GW: Waiting for extra information from you
- ✓ Q1: Unpaid for reactivation
- ✓ Q2: Reactivation in progress
- ✓ QW: Waiting for extra information from you

- ✓ L1: Pre-registration, not yet paid
- ✓ L2: Pre-registration
- ✓ L3: Pre-registration
- ✓ L11: Pre-registration (landrush) (not yet paid)
- ✓ L12: Pre-registration (landrush)
- ✓ T1: Unpaid for trade
- ✓ T2: Traderequest in progress
- ✓ TW: Waiting for extra information from you
- ✓ T3: Waiting for confirmation of either or both new and old licensee
- ✓ TP: Trade, waiting for paperwork
- ✓ TNS: Trade, Nameservers not yet correct configured
- ✓ Q: In Quarantine
- ✓ TQ1: Unpaid for transfer from quarantine
- ✓ TQ2: Transfer from quarantine requested
- ✓ TQ3: Transfer from quarantine (Waiting for confirmation from licensee)
- ✓ TQW: Transfer from quarantine (Waiting for extra information from you)
- ✓ TQI: Transfer from quarantine (Extra information needed)
- ✓ DR0: Name is deleted, but can be reactivated

6.2 Extend Type

- ✓ -1: Do not extend
- ✓ 0: Manual
- ✓ 1: Automatic (if credit is available, otherwise you will be warned by e-mail that the extension wasn't possible).
- ✓ 2: Not implemented right now

Attention! When changing from any other type to 0 (Manual), no reminder will be sent the next time the domain name needs to be extended.

7 Procedures

7.1 .co.uk transfers

First request a transfer via the API (or our website). Then contact the current registrar asking for a “retag”:

Please retag the domain nameco.uk to the tag "NAMEWEB-BE"

8 Transfer Confirmation

When requesting a transfer of a gTLD (like .com, .net, .org, .biz, ...) or of a .be domain name, an e-mail will be sent to the owner of the domain name at the e-mail address currently shown in the Whois, asking to confirm the transfer request. This confirmation needs to be given by clicking on a link in the e-mail. The address to which this link points, can be personalised in order for the client to end up on your website instead of our white-labelled interface.

Please contact us via info@bNamed.net to activate this feature!

8.1 Forwarding gTLD confirmations to us

To confirm, the owner will be asked to click on a link which will contain the following parameters:

<i>Parameter</i>	<i>Explication</i>
D	Domain Name
N	Unique code Domain name
A	Action
TRID	Transfer Number
RC	Authorisation Code

You will need to forward the contents of these parameters to us by fetching the following URL in your webpage:

<https://www.NameWeb.biz/t?D=...&N=...&A=...&TRID=...&RC=...>

8.2 Forwarding .be confirmations to us

To confirm, the owner will be asked to click on a link which will contain the following parameters:

<i>Parameter</i>	<i>Explication</i>
D	Domain Name
N	Unique code Domain name

You should then prompt the client with a field asking for the auth code. Once this has been filled out, it needs to be sent back to us in a parameter called RC, together with the parameters D and N by fetching this URL:

<https://www.NameWeb.biz/t?D=...&N=...&RC=...>

8.3 Returned result

After sending the confirmation towards our server, a webpage will be returned which both contains a human readable section to simply show to your client and a hidden computer parsable section.

To show the human readable section to your client, simply show the client the full contents of the page you have fetched.

The CPS looks like:

```
<!--  
----BEGIN-OF-CPS----  
D: %%Domain Name%%  
S: %%Status%%  
----END-OF-CPS----  
//---->
```

The possible statuses are:

<i>Status</i>	<i>Explication</i>
ACCEPTED	Success
ACCEPTED_LOCKED	Success but the lock is still on (gtld domain names)
REQUESTCODE	No EPP-code received for .be domain name, human readable section will show form to fill out code
NOTFOUND	Domain name not found
NOTPENDING	Domain name not pending transfer/trade
INCORRECTCODE	EPP-code given not successful (gtld domain names)
EXPIRED	Transfer request too old (gtld domain names)
FAILED	Transfer request not successful
DENIED	A deny received on a transfer request (gtld domain names)

9 Callback

When an email has been sent out with a CPS included, it is possible to let us call a webpage of yours with extra parameters.

You can process the result and do the necessary action.

9.1 Example of CPS and callback

The CPS looks like:

```
----BEGIN-OF-CPS----  
TYPE: TRANSFER  
DOMAINNAME: domain  
ACTION: COMPLETED  
----END-OF-CPS----
```

The callback looks like:

```
http(s)://www.yourWebsite.com/callbackPage.php  
with following POST parameters:  
** TYPE = TRANSFER  
** DOMAINNAME = domain  
** ACTION = COMPLETED
```

9.2 SET-UP Callback

- 1) Log in under your account
- 2) Click the option "Settings" in the Menu
- 3) Click on the pencil next to "Callback URL" under "Reseller"
- 4) Fill in "**Callback URL**" the URL you want to be called (without parameters):

`http(s)://www.yourWebsite.com/callbackPage.php`

- 5) Confirm by pressing the ">>"- button

10 Polling

When you login into your account and you go to Settings, you can activate EPP-Polling for your account.

10.1 PollReq

Checks if there are still pending Poll-messages in your account with us

Required parameters

<i>Parameters</i>	<i>Description</i>
-------------------	--------------------

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Queue	Number of poll-messages
NextID	Poll-message ID
Date	Date of Time of poll-message
DomainName	Domain Name for this poll-message
Action	Action done for this poll-message ID

Example request

```
https://(...)&command=PollReq
```

Example response

```
<API>
<Command>pollReq</Command>
<ErrorCode>0</ErrorCode>
<ErrorText/>
<Result>
<Queue>1</Queue>
<action>TRANSFER$CONFIRM</action>
<date>2020-01-16 10:13:50</date>
<domainname>yourname.be</domainname>
<nextID>28559</nextID>
</Result>
<Done>True</Done>
<Time>0,384</Time>
</API>
```

10.2 PollAck

Acknowledge the Poll-messages in your account with us

Required parameters

<i>Parameters</i>	<i>Description</i>
<i>id</i>	Poll-message ID to be acknowledged

Returned parameters and values

<i>Parameters</i>	<i>Description</i>
Queue	Number of poll-messages
id	Acknowledged Poll-message ID

Example request

```
https://(...)&command=PollAck&ID=28559
```

Example response

```
<API>
<Command>pollAck</Command>
<ErrorCode>0</ErrorCode>
<ErrorText/>
<Result>
<Queue>0</Queue>
<id>28559</id>
<msg>ok</msg>
</Result>
<Done>True</Done>
<Time>0,367</Time>
</API>
```

11 Examples

Extra examples of API-calls can be found at <https://cdn.bnamed.net/API-Examples.pdf>