# OnlineNIC API Specification V1.1

# 1. Connect to API Server

OnlineNIC Registration API uses TCP/IP protocol in the way of Clients-Server.
Live Server: www.onlinenic.com

Port: 20001

Account: your OnlineNIC account id.

Password: You account password.


Testing Server: 218.5.81.149

Port: 20001

Account: 135610

Password: 654123


With the specifications provided here, you can develop your own real-time registration system using OnlineNIC's back-end. This information includes paths to OnlineNIC server API, required submission parameters, examples of submitted requests, and response values. This will require your development staff with an understanding of TCP/IP protocol and application programming languages, such as C, ASP, or PHP.

OnlineNIC does not provide technical support for such projects but can answer e-mail clarifying the information provided here.

## 1.1. Handshake with API server

Using the server and port information provided by OnlineNIC to set up TCP connection. Once connection is established successfully, you will receive a greeting message which comes from our server. The message as below:

```
<?xml version="1.0" encoding="UTF-8"?>
<epp xmlns="urn:iana:xml:ns:epp-1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:iana:xml:ns:epp-1.0 epp-1.0.xsd">
  <greeting>
    <svID>OnlineNic Template Server</svID>
    <svDate>2008/12/23 20:36:25</svDate>
    <svcMenu>
      <version>1.0</version>
      <lang>en-US</lang>
      <contact:svc
        xmlns:contact="urn:iana:xml:ns:contact-1.0"
        xsi:schemaLocation="urn:iana:xml:ns:contact-1.0 contact-1.0.xsd"/>
      <host:svc
```

```
    xmlns:host="urn:iana:xml:ns:host-1.0"
    xsi:schemaLocation="urn:iana:xml:ns:host-1.0 host-1.0.xsd"/>
  <domain:svc
    xmlns:domain="urn:iana:xml:ns:domain-1.0"
    xsi:schemaLocation="urn:iana:xml:ns:domain-1.0 domain-1.0.xsd"/>
  <svcsub:svc
    xmlns:svcsub="urn:iana:xml:ns:svcsub-1.0"
    xsi:schemaLocation="urn:iana:xml:ns:svcsub-1.0 svcsub-1.0.xsd"/>
    </svcMenu>
  </greeting>
</epp>
```

## 1.2. Establish Session and Login

After establishing connection, you need to send a 'login' request. Session will be established if the login is verified.

**Parameters of LOGIN command**

| Parameter | Data Type | Description |
|-----------|-----------|-------------|
| clID | Integer | Reseller ID, which you applied in OnlineNIC |
| version | Double | verions No. is usually 1.0 (can be ignored) |
| lang | String(2) | value of language is en    (can be ignored) |
| clTRID | String(20) | Order number which is generated by customer and must be unique |
| chksum | String(32) | Md5 secret key between reseller and OnlineNIC. chksum = md5(clID(customer_id) + md5(password) + clTRID + "login") |

**Example of Login command**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp>
<command>
    <creds>
        <clID>135610</clID>
        <options>
            <version>1.0</version>
            <lang>en</lang>
        </options>
    </creds>
  <clTRID>L147481028182940_0</clTRID>
  <login>
        <chksum>9c4175211a307ee384bc2a13fbe0e4af</chksum>
  </login>
</command>
</epp>
```

**Login response with XML format:**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp
  xmlns="urn:iana:xml:ns:epp-1.0"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="urn:iana:xml:ns:epp-1.0 epp-1.0.xsd">
        <response>
     <result code="2306">
        <msg>Parameter value policy error</msg>
        <value>--CLIENT_TRANSACTION_ID_MUST_BE_UNIQUE</value>
     </result>
     <unspec/>
     <trID>
        <clTRID>L147481028182940_0</clTRID>
        <svTRID>L147481028182940_0-OLNIC-SRV</svTRID>
     </trID>
     <chksum>a7c3cba6463467f51e257bdd4fd2b3cc</chksum>
  </response>
</epp>
```

**Parameters of LOGIN response**

| Parameter | Data Type | Description |
|---|---|---|
| result code | Integer | Indicates login status, 1000 means a success login. |
| Msg/value | String(100) | The value and the description of return information |
| clTRID | String(20) | Customer's order number. |
| svTRID | String(20) | Order number which is generated by API server. |
| chksum | String(32) | md5 secret key between reseller and OnlineNIC. chksum = md5(s_customer_id + md5(password) + clTRID + svTRID + s_resultcode + msg + value) |

## 1.3. Send request to API server

Once session is established, you can send other requests to API server.

## 1.4. Get response Code

You will get response message from API server after each request is posted.
The response info includes status code and result description. You can grep the response message to get these two values.

## 1.5. Disconnect from API server

You can do lots of transactions with API server within a session. If you have done all your work, send logout request to close session and disconnect from API server.

**Parameters of LOGOUT command**

| Parameter | Data Type | Description |
|-----------|-----------|-------------|
| clTRID | String(20) | Order number which is generated by customer and must be unique |
| chksum | String(32) | md5 secret key between reseller and OnlineNIC.<br>chksum = md5(clID(customer_id) + md5(password) + clTRID + "logout") |

**Example of logout command**

```xml
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp>
    <command>
        <logout/>
        <unspec/>
        <clTRID>ABC-12345</clTRID>
        <chksum>82e3fdd203943c8e7a8db4c004042d95</chksum>
    </command>
</epp>
```

**Response message as below**

If successful, the API server will send the following response and then end the session.

```xml
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp
xmlns="urn:iana:xml:ns:epp-1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:iana:xml:ns:epp-1.0 epp-1.0.xsd">
  <response>
    <result code="1500">
      <msg>Command complateted successfully;ending session</msg>
      <value>no value</value>
    </result>
    <unspec/>
    <trID>
      <clTRID>AWBS4921570aa2688</clTRID>
      <svTRID>AWBS4921570aa2688-OLNIC-SRV</svTRID>
    </trID>
    <chksum>7114167760b4f81cf0d654b53e5fe6fc</chksum>
  </response>
```

</epp>

**Parameters of LOGOUT response**

| Parameter | Data Type | Description |
|---|---|---|
| result code | Integer | Indicates login status, 1000 means a success login. |
| Msg/value | String(100) | The value and the description of return information. |
| clTRID | String(20) | Customer's order number. |
| svTRID | String(20) | Order number which is generated by API server. |
| chksum | String(32) | md5 secret key between reseller and OnlineNIC. chksum = md5(s_customer_id + md5(password) + clTRID + svTRID + s_resultcode + msg + value) |

# 2. Domain Business

## 2.1. Table of Supported Domain Type

| Domain Type | Type Value | Description |
|---|---|---|
| English International Domain | 0 | Domain Type: .com / .net / .org |
| Internationalized Domain Name | 0 | Domain Type：IDN.com/.net Multi-Language Domain needs to attach a mltype value. Refer to *Table-2-3* for more details. Use native characters for registration. |
| .cn | 220 | CN Domain Type: .cn Second-Level domain (eg. abc.cn) .cn third-level Domain: com.cn, net.cn, org.cn (eg. abc.com.cn) |
| .ws | 301 | |
| .tv | 400 | |
| .cc | 600 | |
| IDN.cc | 610 | Only Support Simplified Chinese characters for registration (gb2312) |
| .biz | 800 | |
| IDN.biz | 810~818 | Refer to *Table-2-2* for more details about the definition of Type value. |
| .info | 805 | |
| .us | 806 | |
| .in | 808 | .in second-level Domain (eg. abc.cn) .in third-level Domain co.in, net.in, org.in, firm.in, gen.in, ind.in ( eg. abc.co.in) |
| .eu | 902 | |
| .mobi | 903 | |

| | | |
|---|---|---|
| .asia | 905 | |
| .me | 906 | |

*Table-2-1*

**Table-2-2 IDN.biz Domain Type Value**

| Type Value | Language |
|---|---|
| 810 | Chinese |
| 811 | Danish |
| 812 | German |
| 813 | Icelandic |
| 814 | Japanese |
| 815 | Norwegian |
| 816 | Spanish |
| 817 | Swedish |
| 818 | Korean |

*Table-2-2*

**Table-2-3: IDN International Domain "mltype" Value**

| mltype value | Language |
|---|---|
| 1 | Chinese(simplified)-gb2312 |
| 2 | Chinese(traditional)-big5 |
| 3 | Japanese-shift-jis |
| 4 | Korean-euc-kr |
| 151 | Thai-windows-874 |
| 152 | Devanagari-utf8 |
| 153 | Gurmukhi-utf8 |
| 154 | Gujarati-utf8 |
| 156 | Tamil-utf8 |
| 157 | Telugu-utf8 |
| 158 | Kannada-utf8 |
| 159 | Malayalam-utf8 |
| 160 | Sinhala-utf8 |
| 161 | Lao-utf8 |
| 162 | Tibetan-utf8 |
| 163 | Myanmar-utf8 |
| 164 | Kmer-utf8 |
| 180 | Hebrew-utf8 |
| 181 | Arabic-utf8 |

| | |
|---|---|
| 182 | Syriac-utf8 |
| 183 | Thaana-utf8 |
| 184 | Ethiopic-utf8 |
| 185 | Cherokee-utf8 |
| 186 | CanadianAboriginalSymbols-utf8 |
| 187 | Mongolian-utf8 |
| 10101 | Danish-1 |
| 10102 | Dutch-1 |
| 10103 | Faeroese-1 |
| 10104 | Finnish-1 |
| 10105 | Flemish-1 |
| 10106 | German-1 |
| 10107 | Icelandic-1 |
| 10108 | Irish-1 |
| 10109 | Italian-1 |
| 10110 | Norwegian-1 |
| 10111 | Portuguese-1 |
| 10112 | Spanish-1 |
| 10113 | Swedish-1 |
| 10201 | Croatian-2 |
| 10202 | Czech-2 |
| 10203 | Hungarian-2 |
| 10204 | Polish-2 |
| 10205 | Romanian-2 |
| 10206 | Slovak-2 |
| 10207 | Slovenian-2 |
| 10208 | Serbian-2 |
| 10301 | Afrikaans-3 |
| 10302 | Catalan-3 |
| 10303 | Esperanto-3 |
| 10304 | Maltese-3 |
| 10401 | Estonian-4 |
| 10402 | Greenlandic-4 |
| 10403 | Latvian-4 |
| 10404 | Lithuanian-4 |
| 10501 | Cyrillic-5 |
| 10701 | Greek-7 |
| 10901 | French-9 |
| 10902 | Turkish-9 |
| 11001 | Sami-11 |
| 11401 | Welsh-14 |

*Table-2-3*

## 2.2. Check domain availability

This command is used to check the availability of domain.

**Parameters of Domain:CHECK command**

| Parameter | Data Type | Description |
|-----------|-----------|-------------|
| domaintype | Integer | The type of the domain, refer to *Table-2-1*. |
| Name | String(64) | Domain name. |
| clTRID | String(20) | Order number which is generated by customer and must be unique |
| chksum | String(32) | Md5 secret key between reseller and OnlineNIC. chksum = md5(s_customer_id + md5(password) + clTRID + "chkdomain" + domain:type + domain:name) |

**Example domain check command**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp>
   <command>
      <check>
         <domain:check xmlns:domain="urn:iana:xml:ns:domain-1.0"
            xsi:schemaLocation="urn:iana:xml:ns:domain-1.0
            domain-1.0.xsd">
            <domain:type>0</domain:type>
            <domain:name> test.com</domain:name>
         </domain:check>
      </check>
      <unspec/>
      <clTRID>EppLogin135610-0000-1225155953</clTRID>
      <chksum>362d358e453ed418e245c6ffa20665a2</chksum>
   </command>
</epp>
```

**Return messages as below**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:iana:xml:ns:epp-1.0"
   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="urn:iana:xml:ns:epp-1.0 epp-1.0.xsd">
   <response>
      <result code="1000">
         <msg>Command completed successfully</msg>
      </result>
      <resData>
```

```
    <domain:chkData xmlns:domain="urn:iana:xml:ns:domain-1.0"
       xsi:schemaLocation="urn:iana:xml:ns:domain-1.0
       domain-1.0.xsd">
       <domain:cd x="+"> test .com</domain:cd>
    </domain:chkData>
  </resData>
  <trID>
    <clTRID>EppLogin135610-0000-1225155953</clTRID>
    <svTRID>EppLogin135610-0000-1225155953-OLNIC-SRV</svTRID>
  </trID>
  <chksum>a907b3932feb9cfd6ba92ceba080907a</chksum>
  </response>
</epp>
```

**Parameters of DOMAIN:CHECK response**

| Parameter | Data Type | Description |
|---|---|---|
| result code | Integer | Indicates login status, 1000 means a success login. |
| Msg/value | String(100) | The value and the description of return information |
| Domain:cd | Strig(64) | <domain:cd x="+">example1.com</domain:cd> , x=”+” means this domain has been registered, x=”-“ means it is available. |
| clTRID | String(20) | Order number which is generated by customer and must be unique |
| chksum | String(32) | md5 secret key between reseller and OnlineNIC. chksum = md5(customer_id + md5(password) + clTRID + svTRID + s_resultcode + msg + c_result + domain) |

## 2.3. Contact People

### 2.3.1. Create Contact People

You should create 4 types of contact person (Registrant, Administrator, Technician, and Billing contact) before domain registration.

The command may be representing in various ways for different domain type.
Domain types .com/.net/.org, .in, .info, .mobi, .me, .biz/IDN.biz use following command to create a contact.

**Parameters of CONTACT:CREATE command**

| Parameter | Type | Description |
|---|---|---|
| domaintype | integer | domain type |
| name | string(60) | name of contact |
| org | string(60) | orgnization name of contact |

| street1 | string(60) | contact address 1 |
|---|---|---|
| street2 | string(60) | contact address 2(can be ignored) |
| city | string(60) | city of contact |
| sp | string(60) | state or province of contact |
| pc | string(60) | postal code of contact |
| cc | string(2) | Refer to http://www.icann.org/en/meetings/montreal/geo-regions-topic.htm for the Country code of contact. Try to use 'GB'Country Code to register .biz, .info, .us domain and have'UK'as your second choice if register fails. |
| voice | string(22) | Contact's telephone number. The format of phone number should follow the example: (+1.6269439999) |
| fax | string(22) | Contact fax. The format requirement is same as voice |
| email | string(81) | Contact email address |
| pw | string(16) | admin password of contact |
| unspec | String(40) | Only used for US domain. |
| clTRID | string(20) | order No, which is generated by you and must be unique |
| chksum | string(32) | md5 secret key between reseller and OnlineNIC. chk_sum = md5(s_customer_id + md5(password) + clTRID + "crtcontact" + contact:name + contact:org + contact:email) |

**Example of creating domain contact**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp>
    <command>
        <create>
            <contact:create>
                <contact:domaintype>0</contact:domaintype>
                <contact:ascii>
                <contact:name>Terry</contact:name>
                <contact:org>onlinenic</contact:org>
                <contact:addr>
                <contact:street1>1 crestview newnham</contact:street1>
                <contact:city>Lanceston</contact:city>
                <contact:sp>Tasmania</contact:sp>
                <contact:pc>7248</contact:pc>
                <contact:cc>AU</contact:cc>
                </contact:addr></contact:ascii>
                <contact:voice>+61.3950160530</contact:voice>
                <contact:fax>+61.3950160530</contact:fax>
                <contact:email>terry@onlinenic.com </contact:email>
                <contact:pw>111111</contact:pw>
            </contact:create>
```

```
        </create>
        <unspec/>
<clTRID>135610A1230515389B293</clTRID>
<chksum>c0d35152f4ea426a770ee6a324ddaae9</chksum>
</command>
</epp>
```

**Response message as below:**

```
<?xml version="1.0" encoding="UTF-8"?>
<epp    xmlns="urn:iana:xml:ns:epp-1.0"    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="urn:iana:xml:ns:epp-1.0 epp-1.0.xsd">
 <response>
  <result code="1000">
    <msg lang="en-US">Command completed successfully</msg>
  </result>
  <resData>
   <contact:creData>
     <contact:id>Oln6589136</contact:id>
   </contact:creData>
  </resData>
  <trID>
   <clTRID>135610A1230515389B293</clTRID>
   <svTRID>135610A1230515389B293-OLNIC-SRV</svTRID>
  </trID>
  <chksum>83a234b80256aad29188e6793ed1c3d0</chksum>
 </response>
</epp>
```

**Parameters of CONTACT:CREATE response**

| Parameter | Data Type | Description |
|---|---|---|
| result code | Integer | Indicates login status, 1000 means a success login. |
| contact:id | String(32) | presents contact ID. It is necessary for domain registration. |
| msg/value | String(100) | The value and the description of return information. |
| clTRID | String(20) | Customer's order number. |
| svTRID | String(20) | Order number which is generated by API server. |
| chksum | String(32) | md5 secret key between reseller and OnlineNIC. chksum = md5(s_customer_id + md5(password) + clTRID + svTRID + s_resultcode + msg + value) |

### 2.3.2. Create Contact People –- .US

Tag AppPurpose and Category are strictly required for .US domain registration.

**AppPurpose have 5 kinds of values presenting certain registration purpose:**

P1:Business use for profit

P2:Non-profit business, club, association, religious organization, etc.

P3:Personal Use

P4:Education purposes

P5:Government purposes

**NexusCategory means the information of Nexus, including three categories.**

- Natural Person:
  C11: Who is a United States citizen
  C12: Who is a permanent resident of the United States of America or any of its possessions or territories
- C21: A United States Organization incorporated within one of the 50 U.S. states, the District of Columbia, or any of the United States possessions or territories or organized or otherwise constituted nder the laws of a state of the United States of America, the District of Columbia or any of its possessions or territories or a U.S. federal, state or local government entity or a political subdivision thereof

- An entity or organization that has a bona fide presence in the United States of America or any of its possessions or territories:
  C31: Which regularly engages in lawful activities (sales off goods or services or other business, commercial or non-commercial, including not-for-profit relations in the United States)
  C32: Which has an office or other facility in the United States

If it is Category 3, the country code should be added, just like: NexusCategory=C31/CN
(Note: As for the registration of .biz .info .us, the country code for Britain might be different. If GB is not available, please try UK.)

**Example of creating domain type .US contact people:**

```xml
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp>
  <command>
    <create>
      <contact:create>
      <contact:domaintype>806</contact:domaintype>
      <contact:ascii>
        <contact:name>Terry</contact:name>
```

```
        <contact:org>onlinenic</contact:org>
        <contact:addr>
          <contact:street1>1 Crestview Newnham</contact:street1>
          <contact:city>Lanceston</contact:city>
          <contact:sp>Tasmania</contact:sp>
          <contact:pc>7248</contact:pc>
          <contact:cc>AU</contact:cc>
        </contact:addr>
      </contact:ascii>
      <contact:voice>+61.4035684</contact:voice>
      <contact:fax>+61.4035684</contact:fax>
      <contact:email>terry@onlinenic.com</contact:email>
      <contact:pw>111111</contact:pw>
    </contact:create>
    </create>
    <unspec>AppPurpose=P1 NexusCategory=C11</unspec>
    <clTRID>135610A1224060588B135</clTRID>
    <chksum>cb005eeaab3ded3df97a1cf4479cccd9</chksum>
  </command>
</epp>
```

### 2.3.3.   Create Contact People –- .CN

**Example of .CN domain registrant Creation**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp>
  <command>
    <create>
      <contact:create>
        <contact:domaintype>220</contact:domaintype>
        <contact:ascii>
          <contact:name>Terry</contact:name>
          <contact:org>Onlinenic</contact:org>
          <contact:addr>
            <contact:street1>1 Crestview Newnham</contact:street1>
            <contact:city>Lancenston</contact:city>
            <contact:sp>Tasmania</contact:sp>
            <contact:pc>7248</contact:pc>
            <contact:cc>AU</contact:cc>
          </contact:addr>
        </contact:ascii>
        <contact:voice>+61.3950160530</contact:voice>
        <contact:fax>+61.3950160530</contact:fax>
```

```
          <contact:email>terry@onlinenic.com</contact:email>
          <contact:pw>111111</contact:pw>
      </contact:create>
    </create>
    <unspec>
      <cnContact:create xmlns:cnContact="urn:iana:xml:ns:cntld:contact-1.0"
        xsi:schemaLocation="urn:iana:xml:ns:cntld:contact-1.0 cntld-contact-1.0.xsd">
        <cnContact:type>E</cnContact:type>
        <cnContact:supplemental>
          <cnContact:enterprise>
            <cnContact:manager>Terry</cnContact:manager>
            <cnContact:industry>S3</cnContact:industry>
          </cnContact:enterprise>
        </cnContact:supplemental>
      </cnContact:create>
    </unspec>
    <clTRID>135610A1224060922B299</clTRID>
    <chksum>8cb726fc0b65f67f529bf83d0387f2c5</chksum>
  </command>
</epp>
```

**Note:** The value of tag **unspec** can be safely ignored with <unspec /> while creating contacts. The tag org, street, city is allowed to be Chinese encoded in the extension format.

**The parameter of Enterprise Registrant**

| Parameter | Length | Description |
|-----------|--------|-------------|
| Manager | String(100) | Name of enterprise manager |
| Industry | String(4) | See *Table-2-5* |

*Table 2-4*

**The value of industry**

| value | Description |
|-------|-------------|
| S1 | Political Parties and the Government |
| S2 | Information Provider and Advisory Services |
| S3 | Social Service Agency |
| S4 | Business Group and Taxpayer Organization |
| S5 | Sports and Entertainment Industry |
| S6 | Transport Industry |
| S7 | The New Media and Advertising Industry |
| S8 | Business Organization |
| S9 | Education and Scientific Research Institution |
| S10 | Real Estate |
| S11 | Postal Organization |
| S12 | IT Industry |
| S13 | Manufacturing Industry |
| S14 | Public Utility (water, electricity, gas......) |
| S15 | Construction Industry |

| S16 | Agriculture/Forestry/Fisheries industry |
| S17 | Mining Industry |
| S18 | Other Industries |

*Table 2-5*

### 2.3.4.  Create Contact People –- .ASIA

Pre-requisite of .asia domain registration is to create 4 type of contact (admin, billing contact, technical support and registrant). One of them should be a CED of ASIA / Australia / Asian and Pacific regions. CED contact can be either an individual or Company.

Tag <extension>…</extension> is requested for CED contact and can be ignored in other cases.

**Parameter of CED fields**

| Parameter | Description |
|---|---|
| <asia:ccLocality> | Country of CED contact. Refer to http://www.icann.org/en/meetings/montreal/geo-regions-topic.htm for country code details. Only support for AP (Asia/Australia/Pacific) |
| <asia:localitySp> | the province of CED contact |
| <asia:localityCity> | the city of CED contact |
| <asia:legalEntityType> | Optional fields. Corporation type of CED contact<br><option value='cooperative'>Cooperatives</option><br><option value='corporation'>Corporations or Companies</option><br><option value='government'>Government Bodies, States, Sovereigns or Municipalities</option><br><option value='institution'>Institutions</option><br><option value='naturalPerson'>Natural Persons</option><br><option value='other'>Other</option><br><option value='partnership'>Partnerships or Collectives</option><br><option value='politicalParty'>Political parties or Trade Unions</option><br><option value='society'>Trusts, Estates, Associations or Societies</option> |
| <asia:identForm> | Optional field. Certificate type of CED<br><option value="certificate">Certificate of Incorporation or equivalent business registration certificate</option><br><option value="legislation">Act, decree or legislation describing the formation of an entity</option><br><option value="other">Other</option><br><option value="passport">Passport or Citizenship ID</option><br><option value="politicalPartyRegistry">Political Parties Registry</option><br><option value="societyRegistry">Societies Registry or equivalent registry for non-corporate entities</option> |
| <asia:identNumber> | CED Certificate No, Identity No, Passport No, Decree No, etc. |
| <asia:otherLEType> | CED Certificate type (other) |
| <asia:otherIdentForm> | CED Certificate type (other) |

**Note:** Only Tag otherLEType and otherIdentForm can be set to null value on all fields mentioned above.

**Example of creating .asia domain contact**

```xml
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp>
  <command>
    <create>
      <contact:create>
        <contact:domaintype>905</contact:domaintype>
        <contact:ascii>
          <contact:name>Terry</contact:name>
          <contact:org>onlinenic</contact:org>
          <contact:addr>
            <contact:street1>1 Crestview Newnham</contact:street1>
            <contact:city>Launceston</contact:city>
            <contact:sp>Tasmania</contact:sp>
            <contact:pc>7248</contact:pc>
            <contact:cc>AU</contact:cc>
          </contact:addr>
        </contact:ascii>
        <contact:voice>+61.3950160530</contact:voice>
        <contact:fax>+61.3950160530</contact:fax>
        <contact:email>terry@onlinenic.com</contact:email>
        <contact:pw>111111</contact:pw>
      </contact:create>
    </create>
    <extension>
      <asia:create xmlns:asia='urn:afilias:params:xml:ns:asia-1.0'
        xsi:schemaLocation='urn:afilias:params:xml:ns:asia-1.0 asia-1.0.xsd'>
        <asia:cedData>
          <asia:ccLocality>AU</asia:ccLocality>
          <asia:localitySp>Tasmania</asia:localitySp>
          <asia:localityCity>Launceston</asia:localityCity>
          <asia:legalEntityType>cooperative</asia:legalEntityType>
          <asia:identForm>certificate</asia:identForm>
          <asia:identNumber>35664</asia:identNumber>
          <asia:otherLEType></asia:otherLEType>
          <asia:otherIdentForm></asia:otherIdentForm>
        </asia:cedData>
      </asia:create>
    </extension>
    <clTRID>135610A1224061133B232</clTRID>
    <chksum>c36ef4908cac3fc525110b9aea4cc677</chksum>
  </command>
</epp>
```

### 2.3.5. Create Contact People –- .TV

.TV domain only requires registrant and admin contact.

### 2.3.6. Create Contact People –- .CC

Domain CC only has one contact person which refers to registrant contact.

### 2.3.7. Create Contact People –- .EU

.EU only has registrant contact and the country code is different from other domain types.

**.EU Country Code and its abbreviation**

| Code | Country |
| --- | --- |
| BG | BULGARIA |
| CY | CYPRUS |
| CZ | CZECH REPUBLIC |
| DK | DENMARK |
| EE | ESTONIA |
| FI | FINLAND |
| FR | FRANCE |
| GF | FRENCH GUIANA |
| DE | GERMANY |
| GI | GIBRALTAR |
| GR | GREECE |
| GP | GUADELOUPE |
| HU | HUNGARY |
| IE | IRELAND |
| IT | ITALY |
| LV | LATVIA |
| LT | LITHUANIA |
| LU | LUXEMBOURG |
| MT | MALTA |
| MQ | MARTINIQUE |
| NL | NETHERLANDS |
| PL | POLAND |
| PT | PORTUGAL |
| RO | ROMANIA |
| RE | RéUNION |
| SK | SLOVAKIA |
| SI | SLOVENIA |
| ES | SPAIN |
| SE | SWEDEN |
| GB | UNITED KINGDOM |

## 2.4. Update Contact

**Example of update contact info**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp>
    <command>
```

```
          <update>
            <contact:update>
              <contact:domaintype>0</contact:domaintype>
              <contact:domain>test.com</contact:domain>
              <contact:contacttype>4</contact:contacttype>
              <contact:ascii>
                <contact:name>Terry</contact:name>
                <contact:org>onlinenic</contact:org>
                <contact:addr>
                  <contact:street1>10 fox street</contact:street1>
                  <contact:city>Launceston</contact:city>
                  <contact:sp>Tasmania</contact:sp>
                  <contact:pc>7248</contact:pc>
                  <contact:cc>AU</contact:cc>
                </contact:addr>
              </contact:ascii>
              <contact:voice>+61.5925391971</contact:voice>
              <contact:fax>+61.5925391971</contact:fax>
              <contact:email>terry@onlinenic.com</contact:email>
              <contact:pw>123456</contact:pw>
            </contact:update>
          </update>
          <unspec/>
          <clTRID>135610A1224492880B530</clTRID>
          <chksum>ce5a06dca8a4297bb11de28cba5739ef</chksum>
        </command>
</epp>
```

**Note**: The parameters are the same as contact create command.

<contact:domaintype>**0**</contact:domaintype> is the type of domain.

<contact:contacttype>**1**</contact:contacttype> is the type of contact. There are 4 types of contacts which are 1. Admin contact, 2. Tech contact, 3. Billing contact, 4. Registrant.

**.CC Domain chksum:**

chksum = md5(s_customer_id + md5(password) + clTRID + "updcontact" contact:domaintype + contact:domain + contact:contacttype + contact:name + contact:email)

**chksum for CED information modificaion for .Asia domain:**

chksum = md5(s_customer_id + md5(password) + clTRID + "updcontact" contact:domaintype + contact:domain + contact:contacttype)

**chksum for other domain types:**

chksum = md5(s_customer_id + md5(password) + clTRID + "updcontact" contact:domaintype + contact:domain + contact:contacttype + contact:name + contact:org + contact:email)

**Return message as below:**

```
<?xml version="1.0" encoding="UTF-8"?>
<epp
   xmlns="urn:iana:xml:ns:epp-1.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="urn:iana:xml:ns:epp-1.0 epp-1.0.xsd">
   <response>
      <result code="1000">
         <msg lang="en-US">Command completed successfully</msg>
      </result>
      <resData>
         <contact:creData>
            <contact:id>Onl10026287</contact:id>
         </contact:creData>
      </resData>
      <trID>
         <clTRID>135610A1224492880B530</clTRID>
         <svTRID>135610A1224492880B530-OLNIC-SRV</svTRID>
      </trID>
      <chksum>9e21a4fd9ce48cb5bd6b301917b3d7fe</chksum>
   </response>
</epp>
```

**While updating contact info of .Asia domain, you should also update CED info.**

**Example of update .Asia contact info:**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp>
   <command>
      <update>
         <contact:update>
            <contact:domaintype>905</contact:domaintype>
            <contact:domain>test.asia</contact:domain>
            <contact:contacttype>1</contact:contacttype>
         </contact:update>
      </update>
      <extension>
         <asia:update>
            <asia:chg>
               <asia:cedData>
                  <asia:ccLocality>AU</asia:ccLocality>
                  <asia:localitySp>Tasmania</asia:localitySp>
                  <asia:localityCity>Hobart</asia:localityCity>
```

```
            <asia:legalEntityType>corporation</asia:legalEntityType>
            <asia:identForm>legislation</asia:identForm>
            <asia:identNumber>155515151</asia:identNumber>
            <asia:otherLEType></asia:otherLEType>
            <asia:otherIdentForm></asia:otherIdentForm>
        </asia:cedData>
      </asia:chg>
    </asia:update>
  </extension>
  <clTRID>135610A1224497452B631</clTRID>
  <chksum>00eb74a9ed97267de9f168ba5501b943</chksum>
</command>
</epp>
```

## 2.5. Register Domain

**Parameter of Domain Registration**

| Attribute | Type | Description |
|---|---|---|
| Domain:type | integer | Refer to *Table-2-1* |
| domain:mltype | integer | Only required for IDN domain |
| domain:name | string(67) | Domain |
| domain:period | integer | Years of registration |
| domain:ns1 | string(120) | The primary DNS |
| domain:ns2 | string(120) | The secondary DNS |
| domain:registrant | string(16) | Registrant contact ID can be obtained from "**create contact commad**" |
| domain:contact type="admin" | string(16) | Admin contact ID can be obtained from "**create contact command**" |
| domain:contact type="tech" | string(16) | Tech contact ID can be obtained from "**create contact command**" |
| domain:contact type="billing" | string(16) | Billing contact ID can be obtained from "**create contact command**" |
| domain:contact type="ced" | string(16) | Only required for .ASIA contact includes CED contact ID |
| domain:authInfo type="pw" | string(16) | Domain password (The length of password is strictly limited between 6 and 16) |
| clTRID | string(20) | Transaction ID, should be unique |
| Chksum | string(32) | MD5 key between reseller and API Server |

**Chksum explanation:**

**CC/EU chksum**

chksum = md5(s_customer_id + md5(password) + clTRID + "crtdomain" + domain:type + domain:name + domain:period + domain:ns1 + domain:ns2 + domain:registrant + d domain:authInfo type="pw")

**ASIA chksum**

chksum = md5(s_customer_id + md5(password) + clTRID + "crtdomain" + domain:type + domain:name + domain:period + domain:ns1 + domain:ns2 + domain:registrant + domain:contact type="admin" + domain:contact type="tech" + domain:contact type="billing" + domain:contact type="ced" + domain:authInfo type="pw")

**TV chksum**

chksum = md5(s_customer_id + md5(password) + clTRID + "crtdomain" + domain:type + domain:name + domain:period + domain:ns1 + domain:ns2 + domain:registrant + domain:contact type="tech" + domain:authInfo type="pw")

**Others**

chksum = md5(s_customer_id + md5(password) + clTRID + "crtdomain" + domain:type + domain:name + domain:period + domain:ns1 + domain:ns2 + domain:registrant + domain:contact type="admin" + domain:contact type="tech" + domain:contact type="billing" + domain:authInfo type="pw")

**Command of Domain registration (Except for IDN domain, .ASIA domain)**

```xml
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp>
  <command>
    <create>
      <domain:create>
        <domain:type>0</domain:type>
        <domain:name>test.com</domain:name>
        <domain:period>2</domain:period>
        <domain:ns1>ns2.dns-diy.com</domain:ns1>
        <domain:ns2>ns1.dns-diy.com</domain:ns2>
        <domain:registrant>Oln15605052</domain:registrant>
        <domain:contact type="admin">Oln15605053</domain:contact>
        <domain:contact type="tech">Oln15605054</domain:contact>
        <domain:contact type="billing">Oln15605055</domain:contact>
        <domain:authInfo type="pw">Oln15605052</domain:authInfo>
      </domain:create>
    </create>
    <clTRID>135610A1224233311B493</clTRID>
    <chksum>2265a7bf3cb0dc635d88bd8e87b1fab1</chksum>
  </command>
</epp>
```

**Example of IDN Domain registration request format**

```xml
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
```

```
<epp>
  <command>
    <create>
      <domain:create>
        <domain:type>0</domain:type>
        <domain:mltype>1</domain:mltype>
        <domain:name>idn123.com</domain:name>
        <domain:period>2</domain:period>
        <domain:ns1>ns2.dns-diy.com</domain:ns1>
        <domain:ns2>ns1.dns-diy.com</domain:ns2>
        <domain:registrant>Oln15605052</domain:registrant>
        <domain:contact type="admin">Oln15605053</domain:contact>
        <domain:contact type="tech">Oln15605054</domain:contact>
        <domain:contact type="billing">Oln15605055</domain:contact>
        <domain:authInfo type="pw">Oln15605052</domain:authInfo>
      </domain:create>
    </create>
    <clTRID>135610A1224233442B711</clTRID>
    <chksum>110cb378f336759063e7a321a1651b5f</chksum>
  </command>
</epp>
```

**Example of ASIA Domain registration**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp>
  <command>
    <create>
      <domain:create>
        <domain:type>905</domain:type>
        <domain:name>test.asia</domain:name>
        <domain:period>2</domain:period>
        <domain:ns1>ns2.dns-diy.com</domain:ns1>
        <domain:ns2>ns1.dns-diy.com</domain:ns2>
        <domain:registrant>Oln15603127</domain:registrant>
        <domain:contact type="admin">Oln15603127</domain:contact>
        <domain:contact type="tech">Oln15603127</domain:contact>
        <domain:contact type="billing">Oln15603161</domain:contact>
        <domain:contact type="ced">Oln15603161</domain:contact>
        <domain:authInfo type="pw">4714861</domain:authInfo>
      </domain:create>
    </create>
    <clTRID>135610A1224233993B435</clTRID>
    <chksum>31774314d80a2f13a51eb954738d28b6</chksum>
```

```
    </command>
</epp>
```

**Return message as below**

```
<?xml version="1.0" encoding="UTF-8"?>
<epp
   xmlns="urn:iana:xml:ns:epp-1.0"
   xmlns:xsi=http://www.w3.org/2001/XMLSchema-instance
   xsi:schemaLocation="urn:iana:xml:ns:epp-1.0 epp-1.0.xsd">
   <response>
     <result code="1000">
       <msg lang="en-US">Command complateted successfully</msg>
     </result>
     <resData>
       <domain:creData>
         <domain:name>testcom00000000000.com</domain:name>
       </domain:creData>
     </resData>
     <trID>
       <clTRID>135610A1224233311B493</clTRID>
       <svTRID>135610A1224233311B493-OLNIC-SRV</svTRID>
     </trID>
     <chksum>f15504257d6a6a58d69198909da52ce9</chksum>
   </response>
</epp>
```

**Parameters of DOMAIN:CREATE response**

| Parameter | Data Type | Description |
|---|---|---|
| result code | Integer | Indicates login status, 1000 means a success login. |
| Msg/value | String(100) | The value and the description of return information |
| Domain:name | String(64) | The domain that you created. |
| clTRID | String(20) | Customer order number. |
| svTRID | String(20) | Order number which is generated by API server. |
| chksum | String(32) | md5 secret key between reseller and OnlineNIC. chksum = md5(s_customer_id + md5(password) + clTRID + svTRID + s_resultcode + msg + value) |

## 2.6. Update Domain DNS/Password

Following is the supported domain types for update domain DNS.

com，net，org，cn，ws，biz，info，us，in，asia，me，mobi，eu，cc，tv.

You can manipulate up to six DNS, however .CC domain only supports 2 DNS.

Following is the supported domain types for update domain password.
com，net，org，cn，ws，biz，info，us，in，asia，me，mobi

**Example for updating Domain DNS / Password information**

```
<?xml version="1.0" encoding="UTF-8"?>
   <epp>
     <command>
       <update>
         <domain:update>
           <domain:type>0</domain:type>
           <domain:name>test.org</domain:name>
           <domain:rep>
             <domain:ns1>ns1.onlinenic.com</domain:ns1>
             <domain:ns2>ns2.onlinenic.com</domain:ns2>
             <domain:ns3>ns3.onlinenic.com</domain:ns3>
             <domain:ns4>ns4.onlinenic.com</domain:ns4>
             <domain:ns5>ns5.onlinenic.com</domain:ns5>
             <domain:ns6>ns6.onlinenic.com</domain:ns6>
             <domain:authInfo type="pw">mysecret</domain:authInfo>
           </domain:rep>
         </domain:update>
       </update>
       <clTRID>135610A1224050301B511</clTRID>
       <chksum>9a40f0b7c27cb03146022d22229b5796</chksum>
     </command>
   </epp>
```

**Parameters of DOMAIN:UPDATE command**

| Parameter | Data Type | Description |
|---|---|---|
| Domain:type | Integer | *Refer to Table-2-1* |
| Domain:name | String(67) | Domain name |
| Domain:ns(x) | String(67) | DNS |
| Domain:authinfo Type='pw' | String(16) | The password of domain, it will not be changed if this filed set to be null. |
| clTRID | String(20) | Order number which is generated by customer and must be unique |
| chksum | String(32) | md5 secret key between reseller and OnlineNIC. chksum = md5(s_customer_id + md5(password) + clTRID + "upddomain" + domain:type + domain:name + domain:ns1 + domain:ns2 + domain:authInfo type="pw") |

The response message as the same as LOGOUT command.

## 2.7. Domain Renewal

The supported domain types：
In(808),us(806),info(805),mobi(903),eu(902),cn(220),com/net/org(0),tv(400),asia(905),me(906),
biz/IDN.biz(800),cc/IDN.cc(600).

**Parameters of DOMAIN:RENEW command**

| Parameter | Data Type | Description |
|-----------|-----------|-------------|
| Domain:type | Integer | *Refer to Table-2-1* |
| Domain:name | String(67) | Domain name |
| domain:period | String(67) | Years for domain renewal |
| clTRID | String(20) | Order number which is generated by customer and must be unique |
| chksum | String(32) | md5 secret key between reseller and OnlineNIC. chksum = md5(s_customer_id + md5(password) + clTRID + "renewdomain" + domain:type + domain:name + domain:period) |

**Example for domain renewal**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp>
  <command>
    <renew>
      <domain:renew>
        <domain:type>0</domain:type>
        <domain:name>test.com</domain:name>
        <domain:period>1</domain:period>
      </domain:renew>
    </renew>
    <clTRID>135610A1224573822B248</clTRID>
    <chksum>ffa8914e5177db79e7c08da90b052db1</chksum>
  </command>
</epp>
```

**Note:** Domain is only allowed to be renewed once within 5 minutes, otherwise an error will occur.

**Return code as below:**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp
  xmlns="urn:iana:xml:ns:epp-1.0"
  xmlns:xsi=http://www.w3.org/2001/XMLSchema-instance
  xsi:schemaLocation="urn:iana:xml:ns:epp-1.0 epp-1.0.xsd">
  <response>
```

```
    <result code="1000">
       <msg>Command complateted successfully</msg>
       <value>test.com</value>
    </result>
    <unspec/>
    <trID>
       <clTRID>135610A1224573822B248</clTRID>
       <svTRID>135610A1224573822B248-OLNIC-SRV</svTRID>
    </trID>
    <chksum>89c246c0cae33317e79318ca85c8e5af</chksum>
  </response>
</epp>
```

**Parameters of DOMAIN:RENEW response**

| Parameter | Data Type | Description |
|---|---|---|
| result code | Integer | Indicates login status, 1000 means a success login. |
| Msg/value | String(100) | The value and the description of return information. |
| clTRID | String(20) | Customer's order number. |
| svTRID | String(20) | Order number which is generated by API server. |
| Chksum | String(32) | md5 secret key between reseller and OnlineNIC. chksum = md5(s_customer_id + md5(password) + clTRID + svTRID + s_resultcode + msg + value) |

## 2.8. Domain Deletion

**Supported Domain Types**

In(808), us(806), info(805), mobi(903), cn(220), com/net/org(0), asia(905), me(906), biz/IDN.biz(800), cc/IDN.cc(600).

**DOMAIN DELETE RULE**
**COM/NET/ORG/ASIA/MOBI/INFO/NAME**
The domain without renewal can be deleted within 72 hours after registration date; each deletion process will charge processing fee $1. The domain with renewal cannot be deleted within 72 hours after registration date.

**CN/CCN/US**
The domain without renewal can be deleted within 72 hours after registration date; the domain with renewal cannot be deleted within 72 hours after registration date.

**BIZ/IN**
If a domain without renewal is deleted within 72 hours after registration date, the registration fee can be refunded; the domain with renewal cannot be deleted within 72 hours after registration date.

The number of available deleted domains relates with the number of domain registration this month. The number of available deleted domains only can accounts for 6% of total number of domain registration this month. For example, the number of domain registration is X and the number of domain deletion is Y, which must meet the condition $Y \leq (X-Y) * 6\%$. That is to say, you can delete 1 .biz domain, if you register 18 .biz domains this month; you can delete 2 .biz domains if you register 36 .biz domains and so on.

### ME
If a domain without renewal is deleted within 24 hours after registration date, the registration fee can be refunded; the domain with renewal cannot be deleted within 24 hours after registration date.

### CC
If a domain is deleted within 24 hours after registration date, the registration fee can be refunded.

### TV/WS/EU/VN/UK
Those domain cannot be deleted.

**Parameters of DOMAIN:DELETE command**

| Parameter | Data Type | Description |
|---|---|---|
| Domain:type | Integer | *Refer to Table-2-1* |
| Domain:name | String(67) | Domain name |
| clTRID | String(20) | Order number which is generated by customer and must be unique |
| chksum | String(32) | md5 secret key between reseller and OnlineNIC. chksum = md5(s_customer_id + md5(password) + clTRID + "deldomain" + domain:type + domain:name) |

**Deletion Command:**
```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp>
  <command>
    <delete>
      <domain:delete>
        <domain:type>0</domain:type>
        <domain:name>test.com</domain:name>
      </domain:delete>
    </delete>
    <clTRID>135610A1225073919B214</clTRID>
    <chksum>5a964f221f9ff96726aa3b0b8a84b1e7</chksum>
  </command>
</epp>
```

**Return Code as below:**
```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp
```

```
xmlns="urn:iana:xml:ns:epp-1.0"
xmlns:xsi=http://www.w3.org/2001/XMLSchema-instance
xsi:schemaLocation="urn:iana:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
  <result code="1000">
    <msg>Command complateted successfully</msg>
    <value>testcom00000000000.com</value>
  </result>
  <unspec/>
  <trID>
    <clTRID>135610A1225073919B214</clTRID>
    <svTRID>135610A1225073919B214-OLNIC-SRV</svTRID>
  </trID>
  <chksum>29587ca410d5d6d674eb2e6daa09f04f</chksum>
</response>
</epp>
```

**Note: Domain which registered more than 3 day will occur an error**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp
  xmlns="urn:iana:xml:ns:epp-1.0"
  xmlns:xsi=http://www.w3.org/2001/XMLSchema-instance
  xsi:schemaLocation="urn:iana:xml:ns:epp-1.0 epp-1.0.xsd">
  <response>
    <result code="2304">
      <msg>Object status prohibits operation</msg>
      <value>exceed 3 days</value>
    </result>
    <unspec/>
    <trID>
      <clTRID>135610A1225092207B37</clTRID>
      <svTRID>135610A1225092207B37-OLNIC-SRV</svTRID>
    </trID>
    <chksum>80ac2b49c33d180d9545fae2744390dc</chksum>
  </response>
</epp>
```

**Delete a domain which has been renewed will occurs an error**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp
  xmlns="urn:iana:xml:ns:epp-1.0"
  xmlns:xsi=http://www.w3.org/2001/XMLSchema-instance
```

```
    xsi:schemaLocation="urn:iana:xml:ns:epp-1.0 epp-1.0.xsd">
    <response>
      <result code="2304">
        <msg>Object status prohibits operation</msg>
        <value>had renew</value>
      </result>
      <unspec/>
      <trID>
        <clTRID>135610A1225092289B191</clTRID>
        <svTRID>135610A1225092289B191-OLNIC-SRV</svTRID>
      </trID>
      <chksum>d5d432acecff9a303999b3e069f18c51</chksum>
    </response>
</epp>
```

**Parameters of DOMAIN:DELETE response**

| Parameter | Data Type | Description |
|---|---|---|
| result code | Integer | Indicates login status, 1000 means a success login. |
| Msg/value | String(100) | The value and the description of return information. |
| clTRID | String(20) | Customer's order number. |
| svTRID | String(20) | Order number which is generated by API server. |
| Chksum | String(32) | md5 secret key between reseller and OnlineNIC.<br>chksum = md5(s_customer_id + md5(password) + clTRID + svTRID + s_resultcode + msg + value) |

## 2.9. Domain Lock/Unlock

**Supported domain type**

Com, net, org, cn, ws, biz, info, us, in, asia, me, mobi. Current version of API only supports registrar-transfer lock.

**Parameters of domain lock command**

| Parameter | Data Type | Description |
|---|---|---|
| Domain:type | Integer | *Refer to Table-2-1* |
| Domain:name | String(67) | Domain name |
| Domain:status | String(20) | Domain status |
| clTRID | String(20) | Order number which is generated by customer and must be unique |
| chksum | String(32) | md5 secret key between reseller and OnlineNIC.<br>chksum = md5(s_customer_id + md5(password) + clTRID + "upddomain" + domain:type + domain:name) |

**Lock command as below**

```xml
<?xml version="1.0" encoding="UTF-8" ?>
    <epp>
        <command>
            <update>
                <domain:update>
                    <domain:type>0</domain:type>
                    <domain:name>test.org</domain:name>
                    <domain:add>
                        <domain:status s="clientTransferProhibited"/>
                    </domain:add>
                </domain:update>
            </update>
            <clTRID>135610A1224049299B174</clTRID>
            <chksum>e8a5479d71de657da32398cc92594685</chksum>
        </command>
</epp>
```

**Unlock command as below**

```xml
<?xml version="1.0" encoding="UTF-8" ?>
<epp>
    <command>
        <update>
            <domain:update>
                <domain:type>0</domain:type>
                <domain:name>test.org</domain:name>
                <domain:rem>
                    <domain:status s="clientTransferProhibited"/>
                </domain:rem>
            </domain:update>
        </update>
        <clTRID>135610A1224049299B174</clTRID>
        <chksum>e8a5479d71de657da32398cc92594685</chksum>
    </command>
</epp>
```

**Return code as below:**

```xml
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp
    xmlns="urn:iana:xml:ns:epp-1.0"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
```

```
xsi:schemaLocation="urn:iana:xml:ns:epp-1.0 epp-1.0.xsd">
<response>
  <result code="1000">
    <msg>Command complateted successfully</msg>
    <value>no value</value>
  </result>
  <unspec/>
  <trID>
    <clTRID>135610A1224222404B897</clTRID>
    <svTRID>135610A1224222404B897-OLNIC-SRV</svTRID>
  </trID>
  <chksum>e4c354a5ee5b88a7d0e735c6e9cf2810</chksum>
</response>
</epp>
```

**Parameters of domain lock response**

| Parameter | Data Type | Description |
|---|---|---|
| result code | Integer | Indicates login status, 1000 means a success login. |
| Msg/value | String(100) | The value and the description of return information. |
| clTRID | String(20) | Customer's order number. |
| svTRID | String(20) | Order number which is generated by API server. |
| Chksum | String(32) | md5 secret key between reseller and OnlineNIC. chksum = md5(s_customer_id + md5(password) + clTRID + svTRID + s_resultcode + msg + value) |

## 2.10.Setup Domain auto-renewal

**Supported Domain type:** com，net，org，cn，ws，biz，info，us，in，asia，me，mobi.
The parameter is the same as domain lock.

**Example of Domain Auto-Renewal:**
```
<?xml version="1.0" encoding="UTF-8" ?>
<epp>
  <command>
    <update>
      <domain:update>
        <domain:type>0</domain:type>
        <domain:name>sdfartret.com</domain:name>
        <domain:add>
          <domain:status s="autoRenew"/>
        </domain:add>
      </domain:update>
    </update>
```

```
        </update>
        <clTRID>135610A1224049911B42</clTRID>
        <chksum>8bce88579355c5043343b236091c5756</chksum>
      </command>
    </epp>
```

**Note:** chksum = md5(s_customer_id + md5(password) + clTRID + "upddomain" + domain:type + domain:name )

**Example of Domain Auto-Renewal Cancellation**

```
<?xml version="1.0" encoding="UTF-8" ?>
    <epp>
      <command>
        <update>
          <domain:update>
            <domain:type>0</domain:type>
            <domain:name>test.com</domain:name>
            <domain:rem>
              <domain:status s="autoRenew"/>
            </domain:rem>
          </domain:update>
        </update>
        <clTRID>135610A1224049911B42</clTRID>
        <chksum>8bce88579355c5043343b236091c5756</chksum>
      </command>
</epp>
```

**Return code as below**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
    <epp
      xmlns="urn:iana:xml:ns:epp-1.0"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="urn:iana:xml:ns:epp-1.0 epp-1.0.xsd">
      <response>
        <result code="1000">
          <msg>Command complateted successfully</msg>
          <value>no value</value>
        </result>
        <unspec/>
        <trID>
          <clTRID>135610A1224222404B897</clTRID>
          <svTRID>135610A1224222404B897-OLNIC-SRV</svTRID>
```

```
        </trID>
        <chksum>e4c354a5ee5b88a7d0e735c6e9cf2810</chksum>
      </response>
    </epp>
```

## 2.11.Obtain Domain information

Query Domain information which includes registration date, expiration date, DNS, contact detailed information, etc.

**Parameters of GETDOMAIINFO command**

| Parameter | Data Type | Description |
|---|---|---|
| clID | Integer | Reseller ID, which you applied in OnlineNIC |
| version | Double | verions No. is usually 1.0 (can be ignored) |
| lang | String(2) | value of language is en    (can be ignored) |
| Domain | String(67) | Domain name |
| clTRID | String(20) | Order number which is generated by customer and must be unique |
| chksum | String(32) | Md5 secret key between reseller and OnlineNIC. chksum = md5(s_customer_id + md5(password) + clTRID + " getdomaininfo") |

**Example of query domain information**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
    <epp>
        <command>
          <getdomaininfo>
            <clID>135610</clID>
            <domain>test.com</domain>
            <domain:type>0</domain:type>
            <options>
               <version>1.0</version>
               <lang>en</lang>
            </options>
          </getdomaininfo>
          <clTRID>135610Wed Dec 15 14:19:47 CST 2004904</clTRID>
          <chksum>ed16eb4597e8a89fc5f6243ef864d3ae</chksum>
        </command>
      </epp>
```

**If the domain in query really exists and is belong to the customer, return code will show as below**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
```

```
<epp xmlns="urn:iana:xml:ns:epp-1.0"
   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="urn:iana:xml:ns:epp-1.0 epp-1.0.xsd">
   <response>
      <result code="1000">
         <msg>Command completed successfully</msg>
      </result>
      <resData>
         <domain_creData>
            <regdate>12/15/2004</regdate>
            <expdate>12/15/2005</expdate>
            <dns1>ns2.onlinenic.com</dns1>
            <dns2>ns3.onlinenic.com</dns2>
            <pwd>8fe4c11451281c094a6578e6ddbf5ee</pwd>
         </domain_creData>
         <registrant_creData>
            <r_name>ab</r_name>
            <r_org>ab.com</r_org>
            <r_cc>COCOS (KEELING) ISLANDS</r_cc>
            <r_sp>sp</r_sp>
            <r_city>abc.cn</r_city>
            <r_addr>abcd.com</r_addr>
            <r_pc>pc</r_pc>
            <r_phone>+1.6269439999</r_phone>
            <r_fax>+1.6262811999</r_fax>
            <r_email>terry@onlinenic.com</r_email>
         </registrant_creData>
         <admin_creData>
            <a_name>ab</a_name>
            <a_org>ab.com</a_org>
            <a_cc>COCOS (KEELING) ISLANDS</a_cc>
            <a_sp>sp</a_sp>
            <a_city>abc.cn</a_city>
            <a_addr>abcd.com</a_addr>
            <a_pc>pc</a_pc>
            <a_phone>+1.6269439999</a_phone>
            <a_fax>+1.6262811999</a_fax>
            <a_email> terry@onlinenic.com </a_email>
         </admin_creData>
         <tech_creData>
            <t_name>ab</t_name>
            <t_org>ab.com</t_org>
            <t_cc>COCOS (KEELING) ISLANDS</t_cc>
            <t_sp>sp</t_sp>
```

```
            <t_city>abc.cn</t_city>
            <t_addr>abcd.com</t_addr>
            <t_org>ab.com</t_org>
            <t_cc>COCOS (KEELING) ISLANDS</t_cc>
            <t_sp>sp</t_sp>
            <t_city>abc.cn</t_city>
            <t_addr>abcd.com</t_addr>
            <t_pc>pc</t_pc>
            <t_phone>+1.6269439999</t_phone>
            <t_fax>+1.6262811999</t_fax>
            <t_email> terry@onlinenic.com </t_email>
        </tech_creData>
        <billing_creData>
            <b_name>ab</b_name>
            <b_org>ab.com</b_org>
            <b_cc>COCOS (KEELING) ISLANDS</b_cc>
            <b_sp>sp</b_sp>
            <b_city>abc.cn</b_city>
            <b_addr>abcd.com</b_addr>
            <b_pc>pc</b_pc>
            <b_phone>+1.6269439999</b_phone>
            <b_fax>+1.6262811999</b_fax>
            <b_email> terry@onlinenic.com </b_email>
        </billing_creData>
    </resData>
    <trID>
        <clTRID>135610Wed Dec 15 14:19:47 CST 2004904</clTRID>
        <svTRID>135610Wed Dec 15 14:19:47 CST 2004904</svTRID>
    </trID>
    <chksum>8f9ba619142f740b642da3cc3c04e7b3</chksum>
  </response>
</epp>
```

Refer to Chapter 2.3 for more parameters explanation.

## 2.12.DNS

### 2.12.1. Create DNS Server

**Parameters of create DNS command**

| Parameter | Data Type | Description |
|---|---|---|
| Host:domaintype | Integer | Refer to chapter 2.1 |
| Host:name | String(67) | DNS name |

| Host:addr ip | String(67) | IP address of DNS server |
|---|---|---|
| clTRID | String(20) | Order number which is generated by customer and must be unique |
| Chksum | String(32) | Md5 secret key between reseller and OnlineNIC. chksum = md5(s_customer_id + md5(password) + clTRID + "crthost" + host:domaintype + host:name + host:addr) |

**Command for create DNS server**

```xml
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp>
  <command>
    <create>
      <host:create xmlns:host="urn:iana:xml:ns:host-1.0"
        xsi:schemaLocation="urn:iana:xml:ns:host-1.0 host-1.0.xsd">
        <host:domaintype>0</host:domaintype>
        <host:name>ns1.test.com</host:name>
        <host:addr ip="v4">210.34.52.36</host:addr>
      </host:create>
    </create>
    <unspec/>
    <clTRID>>EppLogin135610-0000-1224638652-OLNIC-SRV</clTRID>
    <chksum>85e19021d3fd7d70e30d0839ad0768db</chksum>
  </command>
</epp>
```

**Return code as below**

```xml
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp   xmlns="urn:iana:xml:ns:epp-1.0"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="urn:iana:xml:ns:epp-1.0 epp-1.0.xsd">
  <response>
    <result code="1000">
      <msg>Command complateted successfully</msg>
      <value>ns1.test.com</value>
    </result>
    <unspec/>
    <trID>
      <clTRID>EppLogin135610-0000-1224638652</clTRID>
      <svTRID>EppLogin135610-0000-1224638652-OLNIC-SRV</svTRID>
    </trID>
    <chksum>d2059df83315d9b6164e552a59dc8707</chksum>
  </response>
</epp>
```

**Parameters of create DNS response**

| Parameter | Data Type | Description |
|---|---|---|
| result code | Integer | Indicates login status, 1000 means a success login. |
| Msg/value | String(100) | The value and the description of return information. |
| clTRID | String(20) | Customer's order number. |
| svTRID | String(20) | Order number which is generated by API server. |
| Chksum | String(32) | md5 secret key between reseller and OnlineNIC.<br>chksum = md5(s_customer_id + md5(password) + clTRID + svTRID + s_resultcode + msg + value) |

## 2.12.2. Delete DNS Server

**Commands for DNS deletion**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp xmlns="urn:iana:xml:ns:epp-1.0"
   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
   xsi:schemaLocation="urn:iana:xml:ns:epp-1.0 epp-1.0.xsd">
   <command>
     <delete>
       <host:delete xmlns:host="urn:iana:xml:ns:host-1.0"
         xsi:schemaLocation="urn:iana:xml:ns:host-1.0 host-1.0.xsd">
         <host:domaintype>0</host:domaintype>
         <host:name>ns1.test.com</host:name>
       </host:delete>
     </delete>
     <unspec/>
     <clTRID>ABC-12346</clTRID>
     <chksum>85e19021d3fd7d70e30d0839ad0768db</chksum>
   </command>
</epp>
```

Note: chksum = md5(s_customer_id + md5(password) + clTRID + "delhost" + host:domaintype + host:name)

## 2.12.3. Modify DNS IP address

**Commands for DNS IP address modification**

```
<?xml version="1.0" encoding="UTF-8" standalone="no"?>
<epp>
```

```
<command>
  <update>
    <host:update xmlns:host="urn:iana:xml:ns:host-1.0"
      xsi:schemaLocation="urn:iana:xml:ns:host-1.0 host-1.0.xsd">
      <host:domaintype>0</host:domaintype>
      <host:name>ns1.example.com</host:name>
      <host:add>
        <host:addr ip="v4">210.45.26.5</host:addr>
      </host:add>
      <host:rem>
        <host:addr ip="v4">210.34.52.36</host:addr>
      </host:rem>
    </host:update>
  </update>
  <unspec/>
  <clTRID>ABC-12346</clTRID>
  <chksum>85e19021d3fd7d70e30d0839ad0768db</chksum>
</command>
</epp>
```

The DNS IP **210.34.52.36** will be replaced of **210.45.26.5**.

**Note**: chksum = md5(s_customer_id + md5(password) + clTRID + "updhost" + host:domaintype + host:name + host:addr(to add) + host:addr(to remove))

## 2.13.Domain resolution and forwarding

Login www.dns-diy.net to use OnlineNIC DNS Management System
You can build your own program to login this website via POST request, the sample code as below:

```
<form        action="https://www.dns-diy.com/login.aspx?returnURL=http://www.dns-diy.com/dns.aspx"
method="post">
  <table>
    <tr>
      <td>username/domain</td>
      <td><input type="text" name="username"></td>
    </tr>
    <tr>
      <td>password</td>
      <td><input type="password" name="password"></td>
    </tr>
  </table>
</form>
```

## 2.14. Description of response code

| | |
|---|---|
| 1000 | "Command complateted successfully" |
| 1300 | "Command completed successfully; no messages" |
| 1500 | "Command complateted successfully;ending session" |
| 1700 | "Command complateted successfully;not in lib" |
| 2001 | "Command syntax error" |
| 2002 | "Command use error" |
| 2003 | "Required Parameter missing" |
| 2004 | "Parameter value range err" |
| 2005 | "Parameter value syntax error" |
| 2104 | "Billing fail" |
| 2201 | "Authorization error" |
| 2303 | "Object does not exist" |
| 2304 | "Object status prohibits operation" |
| 2305 | "Object association prohibits operation" |
| 2306 | "Parameter value policy error" |
| 2400 | "Command fail" |
| 2500 | "Command failed;server ending session" |
| 2501 | "Timeout;server ending session" |
| 5000 | "Something error in netware" |
| 5500 | "Did not login" |
| 6000 | "Checksum error" |