

Network**Solutions**.[®]

Network Solutions Partner Protocol
DTD, Version 5.0
WHAT'S NEW

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1. Version 5.0 Introduction

1.1 Overview

Version 5.0 will now support the following new TLDs: ES, COM.ES, ORG.ES, NOM.ES, IN, CO.IN, NET.IN, ORG.IN, FIRM.IN, GEN.IN, IND.IN, AR.COM, GD, CX.

Enhancements were made to the Availability Request APIs to return more alternative domain names for a greater number of TLDs.

1.2 New TLDs

The table below is a summary of the TLDs introduced in Version 5.0

TLD	XML Version	Private Registration	Web Forwarding	Transfers (Inbound, RNCA)	Legal Name Change	Domain Name Length (excluding dot and tld)
es	5.0	N	Y	N	N	3-64
com.es	5.0	N	Y	N	N	3-60
org.es	5.0	N	Y	N	N	3-60
nom.es	5.0	N	Y	N	N	3-60
in	5.0	N	Y	N	N	3-64
co.in	5.0	N	Y	N	N	3-61
net.in	5.0	N	Y	N	N	3-60
org.in	5.0	N	Y	N	N	3-60
firm.in	5.0	N	Y	N	N	3-59
gen.in	5.0	N	Y	N	N	3-60
ind.in	5.0	N	Y	N	N	3-60
ar.com	5.0	Y	Y	Y	Y	3-60
gd	5.0	Y	Y	N	Y	3-64
cx	5.0	Y	Y	N	Y	3-64

1.3 Enhancements to Availability Request APIs

The *VerifyDomains*, *VerifyDomainsAdvanced* and *VerifyDomainsAll* APIs were modified to return availability for the following TLDs: com, net, org, info, biz, us.com, mobi, and tv.

Enhancements were made to the *GenerateDomains*, *GenerateDomainsAdvanced*, *GenerateDomainsAll* APIs to return more meaningful and up-to-date alternate domain names. The *GenerateDomainsAdvanced* also has an option to return alternate misspelled domain names.

Please refer to the AvailableRequest.dtd for the DTD changes as well as the XML_Reference_Version_5_0 document for more details.

1.4 New error code for weak SSL CSR

For security products, if an SSL CSR generated by the Debian Linux operating system using a weak key, then a new error code and message will be returned.

Error code = -11926

Error message = The CSR that you submitted has been rejected because the Debian Linux operating system used to generate it is producing keys that are not secure

2. Version 4.6 Introduction

2.1 Overview

Version 4.6 Rev D will now support the following new TLDs: BR.COM, CN.COM, GB.COM, GB.NET, HU.COM, JPN.COM, KR.COM, NO.COM, QC.COM, RU.COM, SA.COM, SE.COM, SE.NET, UK.NET, UY.COM, and ZA.COM

Version 4.6 will continue to support the AM, FM, US.COM, UK.COM, EU.COM, DE.COM, and LA TLDs.

Version 4.6 will continue to support the .MOBI TLD and a four year term SSL Basic/Pro/Wildcard Certificates and Site Confirm Seal.

Version 4.6 of the Network Solutions Partner Protocol (NSPP) has modified the SSL (Secured Socket Layer) APIs to allow purchases and management of the Extended Validation (EV) Secured Socket Layer products. The changes are defined in the SSLProduct.dtd

Version 4.6 will continue to support purchase, renew and management of new or existing SSL Certificates and Site Confirm Seals.

2.2 Purchasing and Renewing Extended Validation Secured Socket Layer Products

Purchasing and renewing EV security services will require the partner to agree to the SSL Amendment in addition to the Partner Agreement prior to purchasing any EV product.

Please see the agreement on our FTP site

<ftp://ftp.networksolutions.com/partners/Agreements/> or refer to

<http://www.partners.networksolutions.com> for more details.

- The CreateSSL request allows partners to purchase up to 20 EV Certificates. Please note that the Site Confirm Seals do not apply to the EV Service.
- The RenewSSL request allows partners to renew up to 20 EV Certificates.

The EV Service requires three new contacts: Certificate Requester, Certificate Approver and Contract Signer.

See the XML Reference Manual for new required attributes specific to the EV Service.

In order to complete a purchase or renewal, the partner will need to agree, on behalf of the customer, to the accuracy language and provide the EV Subscriber data in addition to the EV Subscriber Agreement --- <http://www.networksolutions.com/legal/SSL-legal-ev-subscriber.jsp>.

2.3 Managing Extended Validation Secured Socket Layer Products

- The ReissueSSL request allows partners to reissue an EV Certificate
If the Certificate is in “validation” state and has not been issued, partners can change the CSR information and/or contacts by taking the following steps:
 1. Contact Customer Service Department and ask them to put the service into the “Provide CSR” state.
 2. Send the ReissueSSL request with the revised CSR and contact information.
- The Revoke request allows partners to revoke an existing issued EV certificate.
- The DownloadCertificate request allows partners to download an instance of an issued EV certificate.
- The GetSealCode request allows partners to download the javascript code for an issued EV certificate.

2.5 Queries for Extended Validation Secured Socket Layer Services

The following 3 existing queries in PartnerManagerRequest.dtd allow partners to search for EV Services. The responses are captured in PartnerManagerResponse.dtd.

- The FindAllSSLProductsForPartner request allows partners to search for all SSL services including the EV services, given a partner ID.
- The FindSSLProductsForPartner request allows partners to narrow the search for SSL services by Customer ID, Purchase Date Range, Expiration Date Range, WildCard name, domain name, and by service status.

- The FindDetailedSSLProduct request allows partners to get detailed information for a specific SSL service using the product ID.

2.6 4-year term for SSL Certificate and Site Confirm Seal

The purchase and renew period for SSL Basic/Pro/Wildcard Certificates and Site Confirm Seal are 1, 2, 3, or 4 years.

The purchase and renew period for Extended Validation remain at 1 or 2 years.

2.7 New TLDs

The table below is a summary of the TLDs introduced in Version 4.6

TLD	XML Version	Private Registration	Web Forwarding	Transfers (Inbound, RNCA)	Legal Name Change	Domain Name Length (excluding dot and tld)
.mobi	4.6 B	Y	N	Y	Y	3-62
.am	4.6 C	N	Y	N	N	2-63
.fm	4.6 C	N	Y	N	N	3-63
.us.com	4.6 C	Y	Y	Y	Y	3-60
.uk.com	4.6 C	Y	Y	Y	Y	3-60
.eu.com	4.6 C	Y	Y	Y	Y	3-60
.de.com	4.6 C	Y	Y	Y	Y	3-60
.la	4.6 C	Y	Y	Y	Y	3-64
.br.com	4.6 D	Y	Y	Y	Y	3-60
.cn.com	4.6 D	Y	Y	Y	Y	3-60
.gb.com	4.6 D	Y	Y	Y	Y	3-60
.gb.net	4.6 D	Y	Y	Y	Y	3-60
.hu.com	4.6 D	Y	Y	Y	Y	3-60
.jpn.com	4.6 D	Y	Y	Y	Y	3-59
.kr.com	4.6 D	Y	Y	Y	Y	3-60
.no.com	4.6 D	Y	Y	Y	Y	3-60
.qc.com	4.6 D	Y	Y	Y	Y	3-60
.ru.com	4.6 D	Y	Y	Y	Y	3-60

TLD	XML Version	Private Registration	Web Forwarding	Transfers (Inbound, RNCA)	Legal Name Change	Domain Name Length (excluding dot and tld)
.sa.com	4.6 D	Y	Y	Y	Y	3-60
.se.com	4.6 D	Y	Y	Y	Y	3-60
.se.net	4.6 D	Y	Y	Y	Y	3-60
.uk.net	4.6 D	Y	Y	Y	Y	3-60
.uy.com	4.6 D	Y	Y	Y	Y	3-60
.za.com	4.6 D	Y	Y	Y	Y	3-60

TLD	XML Version	Purchase Period	Renew Period	Number of Hosts
.mobi	4.6 B	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.am	4.6 C	1, 2 ,3 ,4 ,5	1	2-4
.fm	4.6 C	1, 2 ,3 ,4 ,5	1	2-4
.us.com	4.6 C	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.uk.com,	4.6 C	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.eu.com	4.6 C	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.de.com	4.6 C	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.la	4.6 C	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.br.com	4.6 D	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.cn.com	4.6 D	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.gb.com	4.6 D	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.gb.net	4.6 D	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.hu.com	4.6 D	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.jpn.com	4.6 D	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.kr.com	4.6 D	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.no.com	4.6 D	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.qc.com	4.6 D	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.ru.com	4.6 D	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.sa.com	4.6 D	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13

TLD	XML Version	Purchase Period	Renew Period	Number of Hosts
.se.com	4.6 D	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.se.net	4.6 D	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.uk.net	4.6 D	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.uy.com	4.6 D	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13
.za.com	4.6 D	1, 2 ,3 ,4 ,5, 6, 7, 8, 9 ,10	1, 2 ,3 ,4 ,5, 6, 7, 8, 9	2-13

3. Version 4.5 Introduction

3.1 Overview

Version 4.5 of the Network Solutions Partner Protocol (NSPP) includes a set of new requests to purchase and manage SiteSafe™ Secure Socket Layer (SSL) Services. These new requests are defined in OrderRequest.dtd and the new SSLProduct.dtd

3.2 Purchasing and Renewing Secured Socket Layer Products

Purchasing and renewing SiteSafe SSL security services will require the partner to agree to the SSL Amendment to the Partner Agreement. Please see the agreement on our FTP site <ftp://ftp.networksolutions.com/partners/Agreements/> or refer to <http://www.partners.networksolutions.com> for more details.

- The CreateSSL request allows partners to purchase up to 20 Basic, Pro or WildCard Certificates or up to 20 Site Confirm Seals.
- The RenewSSL request allows partners to renew up to 20 Basic, Pro or WildCard Certificates or up to 20 Site Confirm Seals.

In order to complete a purchase or renewal, the partner will also need to agree, on behalf of the customer, to the Subscriber Agreement (<http://www.networksolutions.com/legal/SSL-legal-subscriber.jsp>).

3.3 Managing Secured Socket Layer Services

- The ReissueSSL request allows partners to reissue an existing (issued) SSL Certificate or Seal.

If the Certificate is in “validation” state and has not been issued, partners can change the CSR information and/or contacts by taking the following steps:

1. Contact Customer Service Department and ask them to put the service into the “Provide CSR” state.

2. Send the ReissueSSL request with the revised CSR and contact information.

If the Seal is in “validation” state and has not been issued, partners can change the domain name/URL and/or contacts by taking the following steps:

1. Contact Customer Service Department and ask them to put the service into the “Provide Validation” status if changing contact information, or “Provide Domain” if changing both the domain name and contact information.
 2. Send the ReissueSSL request with the revised domain name/URL and contact information.
- The Revoke request allows partners to revoke an existing issued certificate.
 - The DownloadCertificate request allows partners to download an instance of an issued certificate.
 - The GetSealCode request allows partners to download the javascript code for an issued certificate service or seal.

3.4 Queries for Secured Socket Layer Services

The following 3 new queries in PartnerManagerRequest.dtd allow partners to search for SSL Services. The responses are captured in PartnerManagerResponse.dtd.

- The FindAllSSLProductsForPartner request allows partners to search for all SSL services given a partner ID.
- The FindSSLProductsForPartner request allows partners to narrow the search for SSL services by Customer ID, Purchase Date Range, Expiration Date Range, Wild card name, domain name, and by product status.
- The FindDetailedSSLProduct request allows partners to get detailed information for a specific SSL service using the product ID.

4. Version 4.4 Introduction

4.1 Overview

Version 4.4 of the Network Solutions Partner Protocol (NSPP) includes a new request to retrieve a domain’s AuthCode. The COM and NET TLDs are going to be registered via the EPP protocol.

4.2 COM/NET move to EPP

The RetrieveAuthCode element has been added to allow Partners to request domain AuthCodes. The new request sends an e-mail containing the domain AuthCode to the Registrant e-mail address on record. AuthCodes can only be requested for domains registered with Network Solutions. Domain transfers (into Network Solutions) will require AuthCodes. The AuthCodes can be placed in the AuthCodeInfo tag introduced in version 4.0 of the NSPP. See the XML Reference Manual for examples of COM/NET inbound transfers and the new AuthCode request for domain AuthCodes.

5. Version 4.3 Introduction

5.1 Overview

Version 4.3 of the Network Solutions Partner Protocol (NSPP) includes a modification to the CommonDeclaration.dtd. The newest TLD, .EU, can now be purchased via the CreateRegistration xml element along with the other TLDs supported by Network Solutions. The Pre-registration for .EU has ended, and therefore the PreRegister xml element should no longer be used at this time. This functionality may be used for future TLD introductions. The **DotEUSupplementalData** has been added to the **SupplementalRegistryData** element.

- **DotEUSupplementalData** - .EU registry specify information
- **CustomerType** – The associated attribute values are below.
 - **RegisteredOfficeInEU** – I have a registered office, central administration or principal place of business within the European Community.
 - **OrganizationIncorporatedInEU** – I am an organization established within the European Community without prejudice to the application of national law.
 - **ResidentInEU** – I am a natural person resident within the European Community.
 - If this attribute is present, the **NaturalPerson** attribute is required. The **NaturalPerson** attribute has a fixed value of “True”.
- **NaturalPerson** – By including this attribute, the registrant is agreeing to the “unambiguous consent requirement”.
- **Unambiguous Consent Requirement**
 - I hereby agree that the Registry is entitled to transfer the data contained in this application to third parties (i) if ordered to do so by a public authority, carrying out its legitimate tasks; and (ii) upon demand of an ADR Provider as mentioned in Section 16 of the Terms and Conditions which are published at www.eurid.eu; and (iii) as provided in Section 2 (WHOIS

look-up facility) of the .eu Domain Name WHOIS Policy which is published at www.eurid.eu.

6. Version 4.2 Introduction

6.1 Overview

Version 4.2 of the Network Solutions Partner Protocol (NSPP) includes modification to the PreRegister request xml structure for Phase II of European Registry of Internet Domain Names (EURid) sunrise. See [XML Reference Version 4.2](#) for details of the new XML structure. As a result of an EURid requirement if the “CustomerType” is “ResidentInEU” the following attribute should also be include in the XML. The “NaturalPerson” field must have the fixed value of “True”. Including the “NaturalPerson” field states that the end customer via the Partner must agree to:

I hereby agree that the Registry is entitled to transfer the data contained in this application to third parties

- (i) if ordered to do so by a public authority, carrying out its legitimate tasks; and
- (ii) upon demand of a ADR Provider as mentioned in Section 16 of the Terms and Conditions which are published at www.eurid.eu; and

as provided in the Sections 2 (WHOIS look-up facility) of the .eu Domain Name WHOIS Policy which is published at www.eurid.eu .”

7. Version 4.1 Introduction

7.1 Overview

Version 4.1 of the Network Solutions Partner Protocol (NSPP) introduces .EU tlds for pre-registration. Partners will be allowed to submit pre-registration requests during the European Registry of Internet Domain Names (EURid) sunrise period.

7.2 PreRegister Request

New XML tags are a part of the OrderRequest.dtd.

- <PreRegister> - Submit are pre-registration request for .EU tld
 - <Phase1PublicHolderDomains> - domain name specific to name of a public body (government entities)
 - <Phase1TradeMarkDomains> - domain name specific to national trademarks
 - <Phase2OtherRightsDomains> - domain name specific to company names, business identifiers, distinctive titles of protected literary and artistic work, unregistered trademarks, and trade names
 - <OpenRegistration> - domains that are not restricted in any way

- <LanguageSelection> - the following languages strings are allowed Czech, Danish, Dutch, English, Estonian, Finnish, French, German, Greek, Hungarian, Italian, Latvian, Lithuanian, Maltese, Polish, Portuguese, Slovak, Slovenian, Spanish, Swedish
- <DotEUSupplementalData> - EURid registry specific information
 - CustomerType – options include RegisteredOfficeInEU, OrganizationIncorporatedInEU, ResidentInEU, NeedAssistance
- <EUExhibit Selection="True or False"/> - Indicate whether the partner agree or disagree with the **EU Exhibit amendment to the Partner Contract**.

New XML tag added to the PartnerManagerRequest.dtd

- <FindPreRegisteredDomainsForPartner> - Find all pre-registration request domains for the partner.

7.3 New ccTLDs

The XMI-API now supports .cn (China) and .tw (Taiwan) tlds. Private registration is not supported for .cn and .tw tlds. The complete list of new tlds follow, (cn, com.cn, net.cn, org.cn, ah.cn, bj.cn, cq.cn, fj.cn, gd.cn, gs.cn, gx.cn, gz.cn, ha.cn, hb.cn, he.cn, hi.cn, hk.cn, hl.cn, hn.cn, jl.cn, js.cn, jx.cn, ln.cn, mo.cn, nm.cn, nx.cn, qh.cn, sc.cn, sd.cn, sh.cn, sn.cn, sx.cn, tj.cn, tw.cn, xj.cn, xz.cn, yn.cn, zj.cn, tw, com.tw org.tw).

8. Version 4.0 Introduction

8.1 Overview

Version 4.0 of the Network Solutions Partner Protocol (NSPP) adds acceptance of AuthCode's for .biz, .org, .info, .us, .tv, .cc, and .bz domains that are being transferred into Network Solutions, Web-Forwarding, and Advance DNS.

8.2 AuthCode (Inbound Transfers)

An AuthCode is now required for the following TLD's when transferring a domain name to Network Solutions, .biz, .org, .info, .us, .tv, .cc, and .bz. The AuthCodeInfo has been added to Inbound transfer requests to allow for the acceptance of the domain name AuthCode. *Note: The AuthCodeInfo tag is used to associate the domain name and AuthCode. If the domain name is mistyped and the AuthCode is present in the AuthCodeInfo tag, the XML response will indicate a missing AuthCode for the domain.*

8.3 WebForwarding

Web Forwarding has the advantage of making multiple sites look like a single site. You can register misspellings, alternate extensions (e.g., .biz, .net, etc.) and/or abbreviations and then forward them to your primary Web site.

WebForwarding can be purchased and managed through the current “Park” requests: CreateParking, ModifyParking, InboundTransferToParking and CreateEmailForwardingAndDomain with CreateParking option).

8.4 Masking

Web Forwarding with masking, means that visitors to your Web site will only see the domain name (or URL) they typed in the address bar of their browser, not the domain name where you have forwarded them. With masking activated, visitors aren’t aware that they are being sent to a different Web site, regardless of where they are within your Web site.

8.5 Advance DNS

The “SelfManagedHost” feature for managing resource records have been consolidated into the “Park” requests. The current “Park” requests have been enhanced to allow resource records management under the Advanced DNS tag . These requests include CreateParking, ModifyParking, ConvertToParking, TransferInternalToParking and CreateEmailForwardingAndDomain with CreateParking option).

XML will use “Park” requests to register, renew and/or modify ADNS domains (Park requests currently exist and have been enhanced). SMH requests in XML will return error code **-2323** (this XML request has been retired), regardless of XML versions. Partners that have SMH will have to use the following XML request (CreatePark, RenewPark, and ModifyPark) in order to manage the resource records.

9. Version 3.9 Introduction

9.1 Overview

Version 3.9 of the Network Solutions Partner Protocol supports private registration . Private registration can be purchased along with the purchase of a domain name or for an existing to domain name.

9.2 Private Registration (with domain actions)

Private Registration can be purchased along with the purchase following domain products

- CreateRegistration
- CreateParking
- CreateSelfManaged

- InboundTransferToRegistration
- InboundTransfertoParking

9.3 Private Registration (for existing domain services)

Private Registration can be purchased for existing Registration, Parking, and Self Managed services.

9.4 FindDomainsWithPrivateRegistration

A new query is provided for partners to see if a Private Registration services exist for a given domain list.

9.5 LookupRequest

The existing response for the LookupRequest is updated to return a new tag, <PrivateRegistrationActive>.

10. Version 3.8 Introduction

10.1 Overview

Version 3.8 of the Network Solutions Partner Protocol supports up to 13 name servers on all registration related order requests, supports conversions among Registration, Parking and Self-Managed services, and allows up to 10 resource records and wild card characters in record names.

10.2 New Features and Capabilities in Detail

10.3 Up to 13 Name Servers Now Supported

You can provide up to 13 name servers, Host1, through Host13, for the following order requests: CreateRegistration, ModifyRegistration, TransferInternalToRegistration and InboundTransferToRegistration.

10.4 ConvertToSelfManaged Order Requests Supported

The system now supports the ability to convert a domain name Registration service or a domain name Parking service to a Self-Managed hosting service. This allows Partners to add customized resource records to their existing domain registration(s) or Parking type services with the addition of the ConvertToSelfManaged element to the OrderRequest and the DomainProduct DTDs.

10.4 Up to 10 Resource Records Supported

The total number of resource records has increased from 8 to 10. This change will affect CreateSelfManaged, ModifySelfManaged, TransferInternalToSelfManaged and ConvertToSelfManaged.

10.5 Wild Card Characters Now Supported in Record Names

The system now supports wild card characters @ and * in A and CNAME record names. Partners can either enter @ or * as stand-alone characters or enter them at left-most portion of a valid host name. For example, either "*" or "*.some-domain-name.com" will be accepted as valid record names.