

# Name Store Upgrade Strategies for Registrars

1.0

October 14, 2004



## **VeriSign Naming and Directory Services Proprietary Information**

This document is the property of VeriSign Naming and Directory Services, Inc. It may be used by recipient only for the purpose for which it was transmitted and will be returned upon request or when no longer needed by recipient. It may not be copied or communicated without the prior written consent of VeriSign Global Registry Services.

## **COPYRIGHT NOTIFICATION**

**Copyright © 2004, VeriSign, Inc. All rights reserved.**

### **VERISIGN NAMING AND DIRECTORY SERVICES PROPRIETARY INFORMATION**

This document is the property of VeriSign, Inc. Information contained herein may include trade secrets and confidential information belonging to VeriSign. Unauthorized disclosure without the express written consent of VeriSign, Inc. is prohibited. It may be used by recipient only for the purpose for which it was transmitted and will be returned upon request or when no longer needed by recipient. It may not be copied or communicated without the prior written consent of VeriSign, Inc..

### **DISCLAIMER AND LIMITATION OF LIABILITY**

VeriSign, Inc. has made efforts to ensure the accuracy and completeness of the information in this document. However, VeriSign, Inc. makes no warranties of any kind (whether express, implied or statutory) with respect to the information contained herein. VeriSign, Inc. assumes no liability to any party for any loss or damage (whether direct or indirect) caused by any errors, omissions or statements of any kind contained in this document. Further, VeriSign, Inc. assumes no liability arising from the application or use of the product or service described herein and specifically disclaims any representation that the products or services described do not infringe upon any existing or future intellectual property rights. Nothing herein grants the reader any license to make, use, or sell equipment or products constructed in accordance with this document. Finally, all rights and privileges related to any intellectual property right described in this document are vested in the patent, trademark, or service mark owner, and no other person may exercise such rights without express permission, authority, or license secured from the patent, trademark, or service mark owner.

VeriSign Inc. reserves the right to make changes to any information herein without further notice.

### **NOTICE AND CAUTION**

#### **Concerning U.S. Patent or Trademark Rights**

The inclusion in this document, the associated on-line file, or the associated software of any information covered by any patent, trademark, or service mark rights will not constitute nor imply a grant of, or authority to exercise, any right or privilege protected by such patent, trademark, or service mark. All such rights and privileges are vested in the patent, trademark, or service mark owner, and no other person may exercise such rights without express permission, authority, or license secured from the patent, trademark, or service mark owner.

This publication was created using Microsoft® Word 2000 for Windows™ by Microsoft Corporation.

Microsoft is a registered trademark and Windows is a trademark of Microsoft Corporation.



**VeriSign® Naming and Directory  
Services**

21345 Ridgetop Circle

Dulles, VA 20166-6503

E-mail: [info@verisign-grs.com](mailto:info@verisign-grs.com)

Internet:

<http://www.verisign.com/nds>

---

---

# Contents

1.	Summary.....	5
2.	Migration Introduction.....	5
3.	Name Store Protocol, Transport & Business Rules Summary .....	5
4.	SDK Summary:.....	6
5.	Connection Policy.....	6
6.	Recommended Upgrade Strategy: .....	6
6.1	If you are an existing Name Store customer: .....	7
6.2	If you are NOT an existing Name Store customer (you are using one of the tv or cc legacy api systems or RRP api) and are able to move to the EPP protocol .....	7
6.3	If you are NOT an existing Name Store customer (you are using one of the tv or cc legacy api systems or RRP api) and need to continue to use the RRP protocol. ....	8

## 1. Summary

This document outlines a strategy for upgrading Registrar systems to be compatible with the Name Store consolidated release scheduled to ship to OT&E on September 23, 2004 and to Production on December 14<sup>th</sup>, 2004. It should be noted that Registrars who don't upgrade their systems will not be able to conduct business in the Name Store.

## 2. Migration Introduction

There are many different approaches Registrars can take to upgrade/implement the latest Name Store Requirements that are being rolled out as part of the Consolidated Project. The purpose of this document is to outline the recommended strategy for all customers.

## 3. Name Store Protocol, Transport & Business Rules Summary

Today in the Name Store we offer EPP .5 over HTTPS transport and EPP 1.0 over HTTPS transport. As of December 14<sup>th</sup> the EPP .5 channels will be removed and 2 new channels will be offered, RRP TCP/SSL and EPP 1.0 TCP/SSL. As of December 14<sup>th</sup> the business rules for provisioning TV, CC & BZ will all change to be similar to current COM/NET business rules, with minor changes to support EPP. Business rules for RCCTLD customers will remain the same. For the purpose of this document we will call the existing business rules for TV, CC & BZ **legacy** business rules, and the new business rules the **CTLD** business rules. See figure 1 below for a summary of the channels and their availability.

Figure 1:

Now	On December 14 <sup>th</sup> Production (September 23 <sup>th</sup> in OTE)
EPP .5 HTTPS (w/ <b>legacy</b> business rules)	Not available
EPP 1.0 HTTPS (w/ <b>legacy</b> business rules)	EPP 1.0 HTTPS (w/ <b>CTLD</b> business rules)
Not available	EPP 1.0 TCP/SSL (w/ <b>CTLD</b> business rules)
Not available	RRP 2.1.2 TCP/SSL (w/ <b>CTLD</b> business rules)

rules)
--------

#### 4. SDK Summary:

Many of our customers make use of our EPP & RRP SDK's.

Here is a summary of the EPP SDK versions:

- EPP .05 – NAME STORE-SDK-1.1.0.5 (used with legacy business rules)
- EPP 1.0 – NAME STORE-SDK-2.5.0.5 (used with legacy business rules)
- Consolidated EPP 1.0 – NAME STORE-SDK-3.0.0.5 (used with CTLD business rules)

All of these SDK's are currently available. All customers migrating to the Name Store should use 3.0.0.5. It contains a stub server that should allow for basic protocol development before the September 23<sup>rd</sup> OTE release. Also please note that the 3.0.0.5 release of the SDK is backward compatible with the 2.5.0.5 release, meaning that you can use 3.0.0.5 with current production EPP 1.0 and Consolidated EPP 1.0 that comes out in December, you will just not be able to make use of the new business features until December (like sync, rgp, idn etc), the Name Store programmers guide section 2 has details of the changes.

For customers using RRP

The existing RRP SDK that is provided for com/net can be used to access the new RRP channels on the Name Store.

#### 5. Connection Policy

Upgrading to the Name Store may require some changes to client connections. Both the pooling and certificate requirements should be reviewed by all customers. See Name Store Connection Management Recommendations for Registrars on our website

[http://www.verisign.com/products-services/naming-and-directory-services/naming-services/cctlds/page\\_001739.html](http://www.verisign.com/products-services/naming-and-directory-services/naming-services/cctlds/page_001739.html)

#### 6. Recommended Upgrade Strategy:

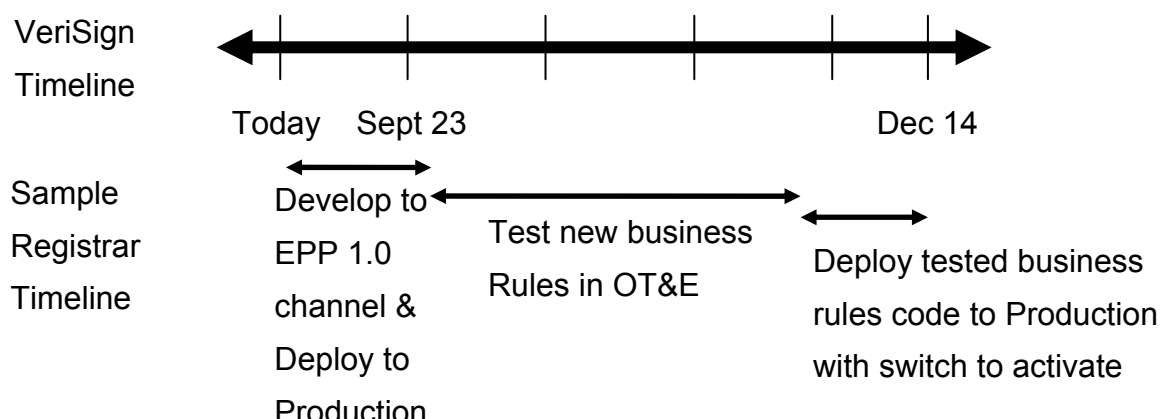
Current customers fall into 1 of 3 situations:

- If you are an existing Name Store customer
- If you are **NOT** an existing Name Store customer (you are using one of the tv or cc legacy api systems or RRP api) and are able to move to the EPP protocol
- If you are **NOT** an existing Name Store customer (you are using one of the tv or cc legacy api systems or RRP api) and need to continue to use the RRP protocol.

The recommended strategy is outlined below for each of the situations

### 6.1 *If you are an existing Name Store customer:*

- 1.) Upgrade to EPP 1.0 as soon as possible and deploy to production in your Registrar system pointing to Name Store 1.0.
- 2.) Develop modifications to your system to handle CTLD business rules (changes are mainly for transfers, sync, rgp, balance notifications etc). Download the Business Rule Variance documentation for more information from our website: [http://www.verisign.com/products-services/naming-and-directory-services/naming-services/cctlds/page\\_001739.html](http://www.verisign.com/products-services/naming-and-directory-services/naming-services/cctlds/page_001739.html). Have these modifications configurable via a switch that can be turned on and off in your production systems.
- 3.) Test the business rule modifications in OT&E between Sept 23 and December 1.
- 4.) Deploy new code to your production systems that supports CTLD business rules before Dec 14<sup>th</sup> with switch turned off
- 5.) On Dec 14<sup>th</sup> during Name Store outage, change the configuration switch to new business rules.

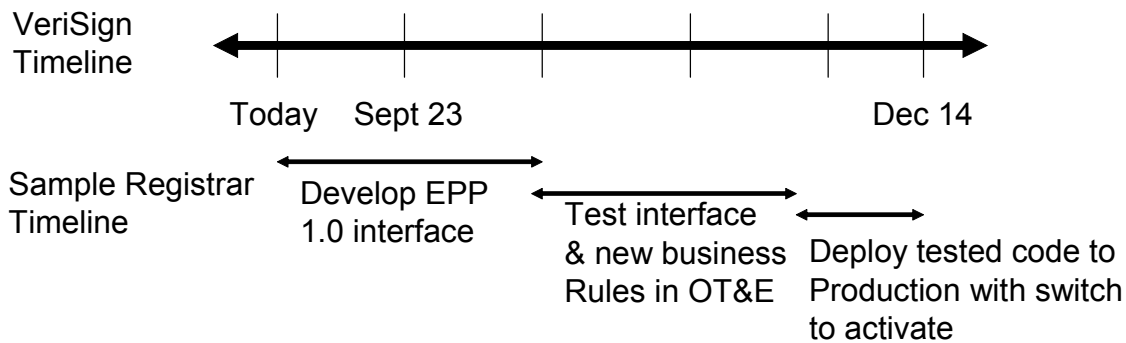


### 6.2 *If you are NOT an existing Name Store customer (you are using one of the tv or cc legacy api systems or RRP api) and are able to move to the EPP protocol*

- 1.) Develop new code that uses EPP 1.0 protocol (and your choice of transport) and CTLD business rules by September 23<sup>th</sup> (changes are mainly for transfers, sync, rgp, balance notifications etc. Download Business Rule Variance Document from our web site for more information <http://www.verisign.com/products-services/naming-and-directory->

[services/naming-services/cctlds/page\\_001739.html](http://www.verisign.com/products-services/naming-services/cctlds/page_001739.html). Have these modifications configurable via a switch that can be turned on and off in your production systems.

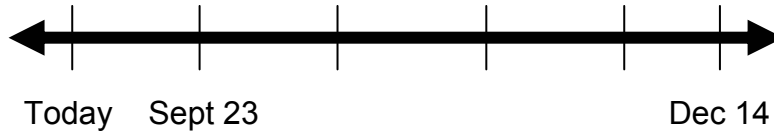
- 2.) Test the business rule modifications in OT&E between Sept 23 and December 1.
- 3.) Deploy new code to your production systems that supports EPP protocol (using SDK 3.0.0.5 if you plan to use VeriSign SDK) and CTLD business rules before Dec 14<sup>th</sup> with switch turned off
- 4.) On Dec 14<sup>th</sup> during Name Store outage, change the configuration switch to new protocol and business rules.



**6.3 If you are NOT an existing Name Store customer (you are using one of the tv or cc legacy api systems or RRP api) and need to continue to use the RRP protocol.**

- 1.) Upgrade code to RRP 2.1.2 and CTLD business rules by September 23<sup>th</sup> (changes are mainly for transfers, sync, rgp etc) Download the Business Rule Variance Document from our web site [http://www.verisign.com/products-services/naming-and-directory-services/naming-services/cctlds/page\\_001739.html](http://www.verisign.com/products-services/naming-and-directory-services/naming-services/cctlds/page_001739.html). Have these modifications configurable via a switch that can be turned on and off in your production systems.
- 2.) Test the business rule modifications & protocol changes in OT&E between Sept 23 and December 1.
- 3.) Deploy new code to your production systems that supports RRP protocol and CTLD business rules before Dec 14<sup>th</sup> with switch turned off
- 4.) On Dec 14<sup>th</sup> during Name Store outage, change the configuration switch to new protocol and business rules.

VeriSign  
Timeline



Sample  
Registrar  
Timeline

