



COM & NET EPP Integration Q2 2005 Communication Update

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Agenda

- + Review plan to add EPP interface to COM & NET.
- + Review proposed timeline for COM + NET launch

Current TLD Platform



Registries supported	Current SDKs 2005	Future SDKs 2005	Benefits to partners
COM NET	RRP 2.1.2 EPP 1.0 (OT&E Only)	RRP 2.1.2 EPP 1.0	EPP option for .com and .net business. Provides a convenient migration path VNDS becomes an RRP & EPP Registry

The introduction of the EPP .com and .net interface will give registrars the *option* of moving to EPP 2005. This is NOT mandatory in 2005. In 2006, we plan to tentatively decommission .com and .net RRP interface.

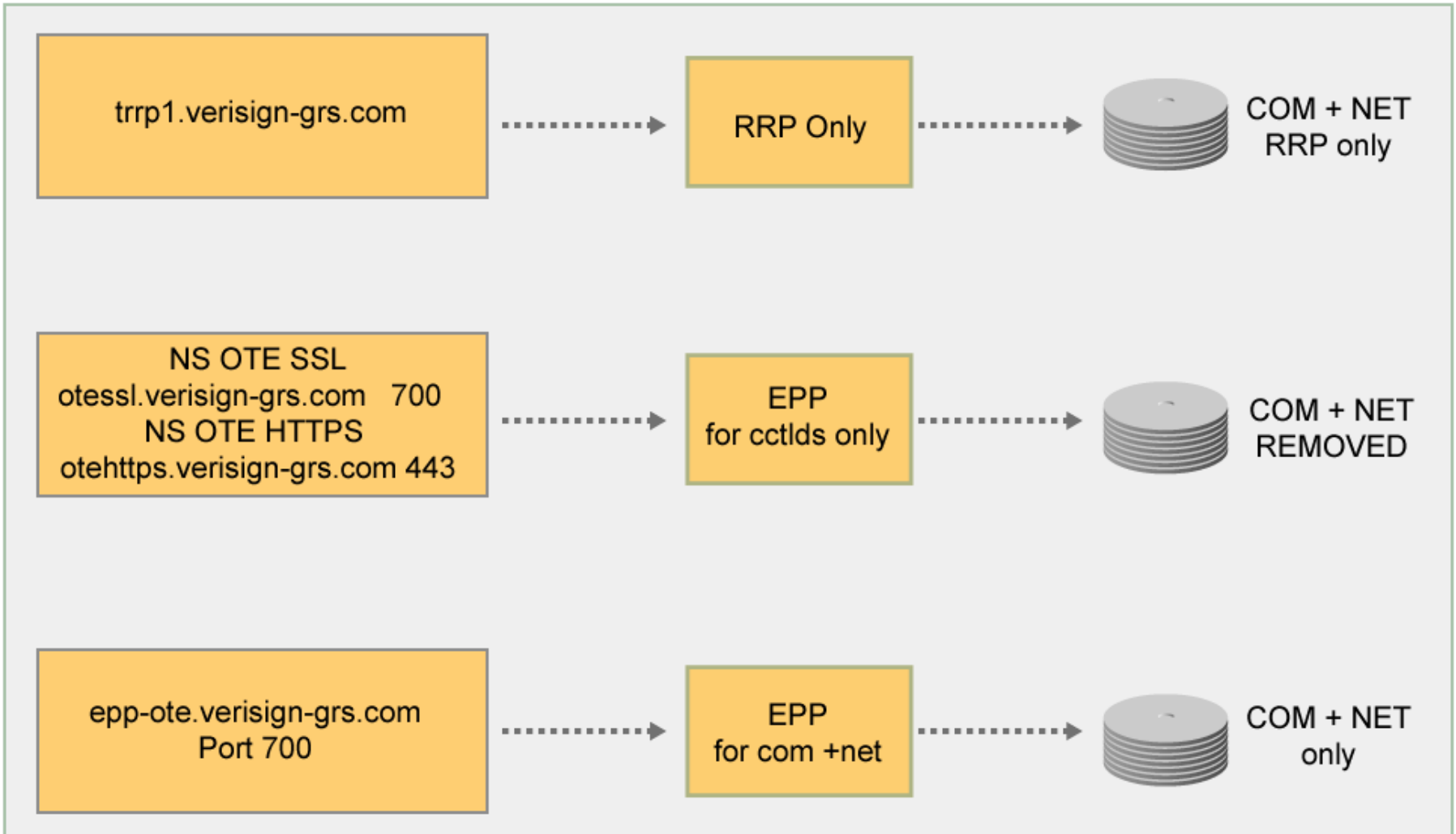
SDK Available & OT&E Available

- + **April 15th**: EPP 1.0 v.3.1.0.3 SDK posted on our web site
 - + http://www.verisign.com/products-services/naming-and-directory-services/naming-services/com-net-registry/page_001047.html

- + **OTE Testing Timeline**
 - + May 25th, 2005
 - + Remove COM + NET as “products” from the existing TCP/SSL and HTTPs Name Store OTE Environments
 - + Deploy a *new* COM + NET OTE environment for TCP/SSL only.
 - Your existing RRP UserID and Password will be migrated to this new environment
 - NEW EPP OTE Server: epp-ote.verisign-grs.com Port 700
 - No change to the RRP OTE environment: trrp1.verisign-grs.com

OT&E Environments: May 25th, 2005

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COM & NET Integration

- + Integration split in to two Phases: Phase I and Phase II
- + There are several items that will remain constant during this integration:
 - + Registrars can continue to utilize the RRP Production Environments:
 - + Guarantee & Overflow Pools
 - + Automated Batch Pool
 - + RRP & EPP statuses will be displayed simultaneously in the Web-Based admin tools.
 - + Registrars will connect to a *new* Production Server for EPP Com/Net channel.
 - + No domain name migrations will be required as part of this deployment.
 - + The Automated Batch Pool will not be migrated to EPP as part of this plan. We have no intent to bring the Batch Pool to the EPP channel.
 - + We will not validate the auth_info field for Transfers Requests in the EPP channel.
 - + **WHOIS will only display RRP statuses**

COM & NET Integration Plan: Phase I

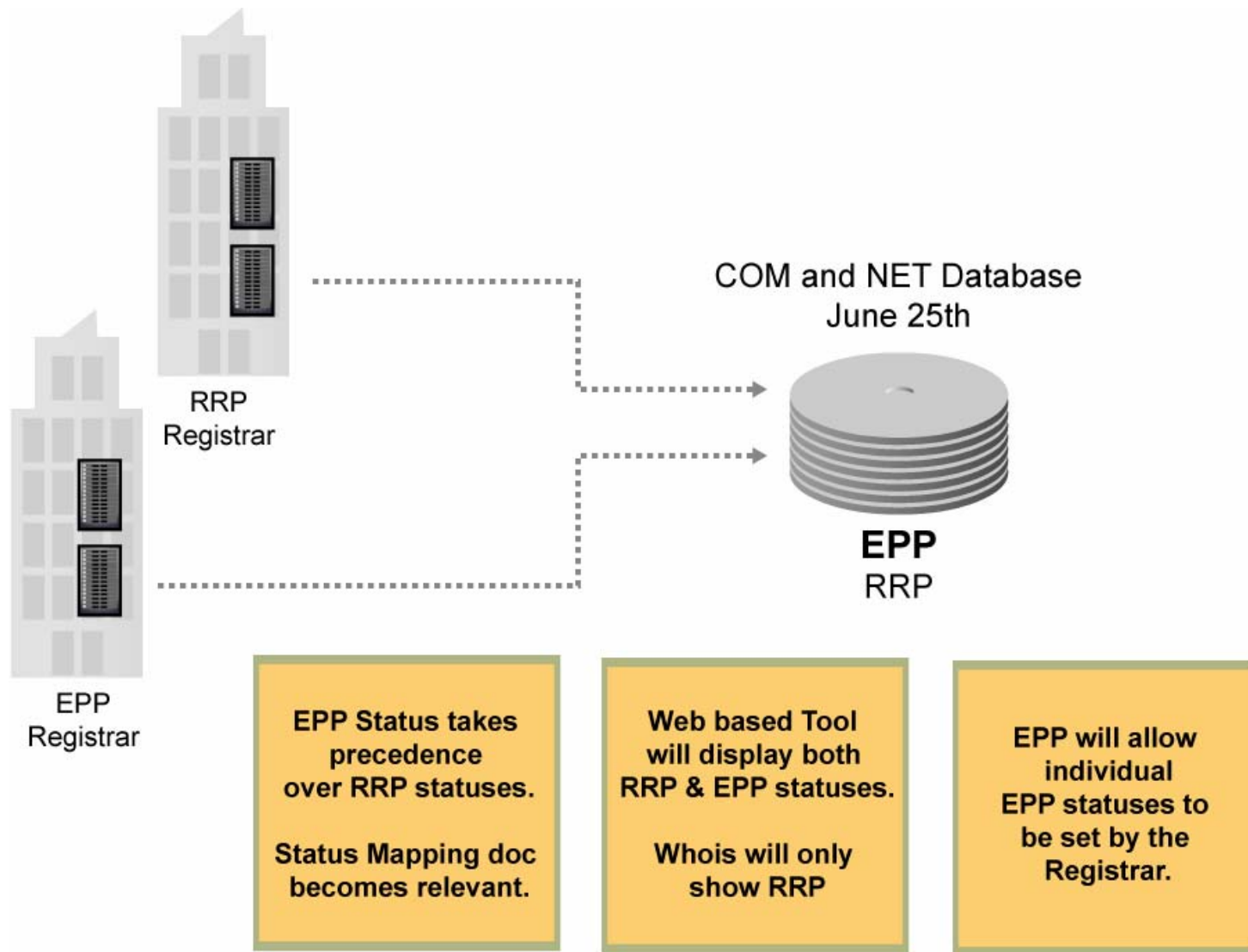
+ Phase I:

- + EPP available for COM + NET environment on June 25th, 2005
- + Production Host Name: epp.verisign-grs.com, port 700
- + Registrars that elect to use the EPP COM+NET channel should keep in mind the following:
 - + All COM & NET Transactions executed through this *new* EPP channel will continue to be debited from your current COM & NET Finance account. In other words, these debits will not be drawn from your Name Store account.
 - + Registrars will continue to use the current COM & NET web-based tool to manage domain names, check their Account balance, and manage contact information. In other words, you will *not* use the Name Store Manager tool to manage this com + net inventory.
 - + VeriSign NDS will begin distributing a new Weekly Domain Name Report that will list all domain name under your management and their RRP and EPP status. For Example:
 - DOMAIN NAME: RRP STATUS: EPP STATUS

RRP/EPP Status Report Format

0--0--7.COM:registrarname, Inc.:REGISTRAR-LOCK:clientDeleteProhibited
0--0--7.COM:registrarname, Inc.:REGISTRAR-LOCK:clientTransferProhibited
0--0--7.COM:registrarname, Inc.:REGISTRAR-LOCK:clientUpdateProhibited
0--0--7.COM:registrarname, Inc.:REGISTRAR-HOLD:clientHold
0--0--7.COM:registrarname, Inc.:REGISTRAR-HOLD:clientDeleteProhibited
0--0--7.COM:registrarname, Inc.:REGISTRAR-HOLD:clientTransferProhibited
0--0--7.COM:registrarname, Inc.:REGISTRAR-HOLD:clientUpdateProhibited

Phase 1: A Closer Look at June 25th



Statuses: Definitions

+ **RRP Statuses**

- + **ACTIVE:** Able to modified, transferred, deleted, and published to the Zone
- + **Registrar-Lock:** Cannot be modified, transferred, deleted. Published to the Zone file
- + **Registrar-Hold:** Cannot be modified, transferred, deleted, and is NOT published to the Zone file.
- + **Pending Transfer Period:** Transfer has been initiated on the domain name and we are waiting for the Losing Registrar to Accept or Deny the Transfer. If neither action happens, the domain name auto-acked by the Registry.
- + **RedemptionPeriod:** Domain name has been deleted by the Registrar. It is no longer published to the Zone file, cannot be modified or Transferred, and is eligible to Restored within 30 days
- + **PendingRestore:** Restore command executed against the domain name and we are waiting for the Restore Report to be submitted to us by the Registrar.
- + **PendingDelete:** Domain Name will be in this status for 5 days and then will be deleted on Day 6.

Status Migration Path: June 25th

RRP Status	EPP Mapping	
ACTIVE	OK	
Registrar-HOLD	Client Hold Client Update prohibited	Client Transfer prohibited Client Delete Prohibited
Registrar-LOCK	Client Update prohibited Client Transfer prohibited	Client Delete Prohibited
Registry-HOLD	Server Hold Server Transfer prohibited	Server Delete Prohibited Server Update Prohibited
Registry-LOCK	Server Update Prohibited Server Transfer Prohibited	Server Delete Prohibited
PendingDelete	Pending Delete	
Pending Transfer	Pending Transfer	
RedemptionPeriod	Redemption Period	
Pending Restore	Pending Restore	

Status Migration Path: Post June 25th



EPP Domain Status	RRP Domain Status	Variance
ok	Active	None
clienthold	Registrar-Hold	Out-of-Zone Only. Can be modified, deleted, Transferred
Clientupdateprohibited and/or clienttransferprohibited and/or clientdeleteprohibited	Registrar-Lock	Depending on the status, the name could be modified, transferred, and/or deleted.
clientrenewprohibited	Active	Domain cannot be renewed.
Clienthold + Any ClientProhibit Status	Registrar-Hold	Out-of-Zone and, depending on the status, could be modified, deleted and/or transferred. You will not see us display RRP HOLD & LOCK status.

Hosts: June 25th Mappings



Current RRP Statuses before 06/25/2005			Host EPP statuses after 06/25/2005		
Host is LOCKED?	Parent Domain is on REGISTRAR-HOLD or REGISTRAR-LOCK	Parent Domain is on REGISTRY-HOLD or REGISTRY-LOCK	OK	CUP and CDP Client Update Client Delete Prohibited	SUP and SDP Server Update Server Delete Prohibited
No	No Parent Domain (out-of-zone Host)	No Parent Domain (out-of-zone Host)	Yes	No	No
No	No	No	Yes	No	No
No	No	Yes	No	No	Yes
No	Yes	No	No	Yes	No
No	Yes	Yes	No	Yes	Yes
Yes	No Parent Domain (out-of-zone Host)	No Parent Domain (out-of-zone Host)	No	No	Yes
Yes	No	No	No	No	Yes
Yes	No	Yes	No	No	Yes
Yes	Yes	No	No	Yes	Yes
Yes	Yes	Yes	No	Yes	Yes

Hosts: Post June 25th



EPP Host Status	RRP Host Status	Variance
Ok		
Clientupdate and/or clientdelete prohibited	Lock	NameServer could be deleted or modified.

Status TimeLine Summary

+ June 25th: EPP Channel Enabled

- + EPP Statuses take precedence. VeriSign is officially running EPP.
- + To prepare for this transition and to understand what Status your domain names will moved to, refer to the JUNE 25th Mapping Table.
- + Web based COM + NET tool will display both statuses.
- + We will publish a new domain status summary report listing epp/rrp statuses

+ Registrars that elect to move to EPP Post June 25th

- + You will be able to set EPP statuses individually.
- + To understand how these individual EPP statuses will be mapped to RRP, reference the POST June 25th Status Mapping Table.

COM & NET Integration: Phase II

+ Phase II (Q1 2006)

+ More Consolidation of tools completed:

- + COM + NET domain name administration will be possible through the web-based Name Store Manager tool only. Legacy COM & NET web-based tool decommissioned
- + COM & NET Transactions will now be debited through the Name Store Channel Account. Legacy COM & NET Finance Account decommissioned
- + **Whois will continue to display RRP domain name statuses only.**

Transfer Behavior in EPP

When EPP/RRP registrars complete a transfer request in, the statuses of the domain will reset to OK status.

Example

Domain Name: ABC.com

Status: ClientHold and ClientUpdate Prohibited

Regr: XYZ Registrar

And ABC Registrar requests a transfer and the transfer is Acked or AutoAcked, the domain is transferred over to ABC Registrar as:

Domain: ABC.com

Status: OK

Regr: ABC registrar

EPP: Business Rule Highlights

+ **Transfers: Phase I**

- + We will not validate AUTH_INFO fields for Inbound Transfers.
- + We will remove the ability to execute Internal Transfers from the RRP channel. Internal Transfers are not supported in EPP.

+ **Polling Queue: Phase I**

- + There will be a separate polling queue enabled for COM + NET. The Name Store polling queue will remain in place for registrars selling products through the Name Store.
- + Poll Queue used for Low Balance notifications, Transfers, and Pending Restore
- + We will develop a policy around poll queue usage.

+ **Domain Name/Child Host Relationship Changes: Phase I**

- + Name Servers in EPP have their own EPP Status.
- + In EPP, children will not inherit their status from their Parent domain.

EPP Business Rules Continued

+ **Connection Authentication in EPP Channel: Phase I**

- + IP Address Authentication
- + SSL enabled
- + Common Name authentication executed
- + User ID and Password
- + Connections the same across both pools

+ **Our Web based Tools and SDK will support the listing of child name servers (subordinate hosts):**

- + EPP SDK: Will support this feature in Phase I
- + Name Store Manager Tool will support this feature in Phase II.

+ **Domain Info: Phase I**

- + In Phase I, DomainInfo will be open to all Registrars as long as they have the auth_code. No auth_code, then you will receive Authorization Failed.
- + In Phase II, we will allow all registrars to use the DomainInfo command across all domain names. Auth_code not returned.

Business Rules

+ Checks & Response Times

- + EPP Specification states that a CHECK command can include multiple domain names
 - + In RRP, there is a one-to-one relationship between the CHECK command and domain name
- + In Phase I, we will support the ability of the CHECK command to include multiple domain names
 - + Presently, we are still testing the number of domain names we can support in each CHECK command
 - + We are also examining the performance of the Check Response times when multiple domain names are included.
 - + Will have more information on our policy regarding CHECKs with multiple domain names prior to the June 25th Phase I launch.

+ Contracts

- + No new contracts need to be signed as part of this launch.

Timeline & Next Steps

Q1 2005

1. EPP 1.0 SDK (v3.1.0.3) should be downloaded and reviewed.

Q2 2005

1. April 15th: New EPP SDK published (v3.1.0.3)
2. May 25th: New COM + NET OTE environment deployed
3. June 25th: COM & NET EPP Production interface deployed (Phase I)

Q3 2005

1. No actions planned

Q1 2006

1. Phase II completed (Tentative Date)
2. Begin communication plan for decommissioning of COM & NET RRP Standard Pools.

Questions

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