

SRS Scheduled Maintenance

Sunday May 23rd 2004, 07:00 – 09:00

SRS Outage

There will be a scheduled shut down of SRS to allow for maintenance and an upgrade to SRS (Version 1.9) on Sunday 23rd May 07:00 – 09:00 NZ Standard time.

Registrar Implementation Kit (RIK version 1.9.0)

The new release of SRS will coincide with a new release of the RIK (1.9.0). Please note that the source code for the SRSCClient and SendXML has not been changed in this release. The new release of the RIK is available on the DNC web site dnc.org.nz and the NZRS web site nzrs.net.nz.

Protocol

The “protocol.dtd” has changed in this release.

It is recommended that Registrars upgrade their “protocol.dtd” to version 1.9

Test SRS System

The Test SRS system will continue to mirror the production environment and will receive the new release on 23rd May 2004.

Summary of the new release of SRS (1.9)

1 - Replication

The changes to the SRS replication software that were scheduled to be included with the SRS 1.8 release were not released into production. Some problems related to transaction request and response size were highlighted by the stress testing phase of our testing. These problems have been resolved and the replication upgrade will be implemented in SRS 1.9.

One of the major components of the replication changes is the incorporation of the Spread toolkit (<http://www.spread.org/>) to be used by the front-end replication to improve reliability of the message passing within the front-end replication.



The Web site describes Spread this way:

Spread is a toolkit that provides a high performance messaging service that's resilient to faults across external or internal networks. Spread functions as a unified message bus for distributed applications and provides highly tuned application-level multicast and group communication support. Spread services range from reliable message passing to fully ordered messages with delivery guarantees, even in case of computer failures and network partitions

The problem found during stress testing related to the ability of the Spread toolkit to handle large request sizes (in excess of 99k). To overcome this problem the request size of an SRS transaction will be limited to 99k. A review of the SRS logs has shown that no Registrar transaction request has exceeded this limit to-date.

Impact: Request size greater than 99k will be rejected

3 - Several domains not pushed to DNS servers

Problem: An offline backend server was used for zone pushes. A heavy (update) transaction load at the time of a zone push resulted in a delay in updating the offline server and consequently several domains updated just before the zone push were not included in the push.

Reference: 30911

Fix: Zone pushes are now performed only from "Active" backend servers

Impact: No impact to registrars.

4 - CountResults parameter for qry transactions

Enhancement: A CountResults parameter has been added to the RegistrarAccountQry and DomainDetailsQry transactions.

This parameter is an optional boolean parameter and the default value is false.

There is no change to the existing functionality of these transactions when this parameter is not present (Default) or is present and set to false.

When this parameter is present and is set to true then a response is returned with a Count parameter containing the value of the total number of matches found in the SRS database that satisfy the request query conditions.

NOTE: No result rows are returned if the CountResults parameter is present and is set to true in the request. The Rows parameter in the response is set to zero (Rows="0").

Reference: 31366

Fix: N/A

Impact: No impact to registrars.



5 - Domains cancelled+transferred+uncancelled

Problem: Some domains have been cancelled within their Renewal Grace Period, and then transferred and uncancelled (without a renewal) by another registrar and have been billed to the losing registrar. Only a few domains have been affected by this problem and NZRS have corrected the billing where this has occurred. This is a rare condition and has happened when the billed until date of the domain is in the past, and the losing registrar had the domain active at some point between the billed until date and the date of the transaction. This can occur when the domain is cancelled within renewal grace period (so that it's billed until date is rolled back) or when the domain is cancelled with Term=0 (since this occurs after the billed until date has past, but before the renew schedule job runs).

Reference: 30066

Fix: Domains that meet the above criteria are now billed to the gaining registrar (ie. The registrar that gains a domain from a transfer).

Impact: When a domain is canceled within Renewal Grace Period, the most recent renewal is rolled back. When a "PendingRelease" domain is un-canceled without a renewal request and the domain is out-of-date, a billing catch-up occurs and the domain is auto-renewed. If a "PendingRelease" domain is transferred and un-canceled, the gaining registrar is billed for any catch-up.

6 - DomainDetailsQry – History search problem

Problem: There is a bug in domain details query. It affects any non-registry query that has both a search date range and a result date range and the impact is that no details are returned.

Reference: 31409

Fix: A domain details query that has both a search date range and a result date range will return history details.

Impact: No impact to registrars.



7 - Update Country Code tables

Problem: The CountryCode table does not match the current ISO 3166 table.

Reference: 31387

Fix: Table Updated

These are the new codes:

- AX ÅLAND ISLANDS
- CI COTE D'IVOIRE
- CS SERBIA AND MONTENEGRO
- KP KOREA DEMOCRATIC PEOPLE'S REPUBLIC OF
- LA LAO PEOPLE'S DEMOCRATIC REPUBLIC
- TL TIMOR-LESTE

These codes have been deleted.

- FX FRANCE, METROPOLITAN;
- TP EAST TIMOR
- YU YUGOSLAVIA
- ZR ZAIRE

Impact: Registrars need to ensure that they are using the new country code table provided in the RIK

8 - GetMessages - Audit text filter

Enhancement: A filter on Audit Text has been added to the GetMessages transaction.

Reference: 31410

Fix: N/A

Impact: No impact to registrars.

9 - Deferred Income Error

Problem: The registry deferred income calculation module did not take into account transactions that were renewed for longer than 1 month. E.g 31/1/2004 to 29/2/2004 and then 29/2/2004 to 31/3/2004.

Reference: 31371

Fix: Calculation module corrected to look at whole months.

Impact: No impact to registrars – registry only function.

