

.nz NEWSLETTER – January 2011

:: Domain Name Commission ::

WHOIS Policy

The revised WHOIS Policy into effect on 25 January 2011.

The key feature of the new policy is the addition of the Registrant Info Service, allowing search by registrant name, restricted to:

- Searches by registrants seeking a list of their own .nz domain names; and
- Searches that have the sole purpose of supporting a Dispute Resolution Service complaint.

A copy of the new policy is available at: <http://dnc.org.nz/content/whois.pdf>

Statistics

In December, the number of active .nz domain names increased from 420,603 to 423,764, a net increase of 3,161.

Over 2010, the number of active .nz domain names increased from 381,964 to 423,764, a net increase of 41,800.

Figures as at 31 December 2010:

| | <i>Active names as at 1 December</i> | <i>Active names as at end 31 December</i> | <i>New registrations December</i> | <i>Renewals December</i> | <i>Net Growth</i> |
|---------|--------------------------------------|---|-----------------------------------|--------------------------|-------------------|
| .ac | 1,818 | 1,826 | 28 | 308 | 8 |
| .co | 364,264 | 366,984 | 6,365 | 59,575 | 2720 |
| .cri | 14 | 14 | 0 | 1 | 0 |
| .geek | 1,027 | 1,034 | 20 | 208 | 7 |
| .gen | 1,303 | 1,316 | 28 | 279 | 13 |
| .govt | 1,069 | 1,074 | 5 | 1,035 | 5 |
| .health | 126 | 126 | 0 | 96 | 0 |
| .iwi | 76 | 78 | 2 | 13 | 2 |
| .maori | 618 | 621 | 12 | 87 | 3 |
| .mil | 28 | 28 | 0 | 3 | 0 |

| | | | | | |
|--------------|---------|---------|-------|--------|-------|
| .net | 23,310 | 23,537 | 477 | 4,106 | 227 |
| .org | 23,895 | 24,063 | 358 | 4,059 | 168 |
| .parliament | 7 | 7 | 0 | 7 | 0 |
| .school | 3,048 | 3,056 | 22 | 1,235 | 8 |
| TOTAL | 420,603 | 423,764 | 7,317 | 71,012 | 3,161 |

Note: these figures do not include names in the 'pending release' status. They incorporate all active domain names in the .nz register. For more statistics, see <http://dnc.org.nz/statistics>

:: .nz Registry Services ::

DNSSEC

We are actively working on the DNSSEC deployment for .nz. We have chosen a signing architecture based on OpenDNSSEC and the Sun Crypto Accelerator 6000 for the Hardware Security Module.

Changes to the SRS system to support DS records have been completed. This functionality is currently turned off in the production SRS and it will be activated when the DNSSEC deployment begins. The SRS RPS test system is available for registrars that wish to test their interface with DS records.

Testing of the signing architecture is currently underway and we expect to complete this by March.

If you have any questions, please contact Dave or Sebastian on support@nzrs.net.nz

EPP

We have deployed a functioning version of the SRS EPP interface to the SRS production system. If there are any registrars that would like to use the EPP interface on the test or production system then please contact Dave or Manu on support@nzrs.net.nz

RIK Redevelopment Project

This project is currently in progress. The first phase of the project to simplify the installation and upgrading process of the RIK (Registrar Information Kit) has been completed. The second phase to update the SRSCClient and the SRS libraries is underway and expected to be completed over the next few months.

During the Maintenance Window on Sunday (30 January 2011) we released the RIK version 5.7. This release introduces a new approach for handling the installation of the dependent CPAN libraries (community Perl modules) required to use the 'sendXML' and 'SRSCClient' programs.

Rather than requiring a manual installation of these libraries, a pre-built 'CPAN libs' tarball is now distributed for a set of popular platforms. The tarball for your chosen platform will be required, along with the tarball for the RIK itself.

The installation process should, in most cases, be significantly simpler. Please see the updated

INSTALL doc in the RIK for the full installation process. The RIK and 'CPAN' tarballs can be downloaded from the NZRS website <http://nzrs.net.nz/srs/rik>

This change is designed to be backwards compatible, so if you have already installed the CPAN libraries, you won't have to change anything to upgrade the RIK. However, the old approach of installing libraries manually is now deprecated. We recommend moving to the new approach as soon as possible, as this will result in an easier upgrade path in the future.

The list of currently supported platforms is:

- * Debian Lenny (i386/x64)
- * Ubuntu Lucid (i386/x64)
- * Fedora 14 (i386/x64)
- * OpenSuSE 11.3 (i386/x64)
- * FreeBSD 8.1 (i386)
- * Solaris 10u8 (i386)

Note, the CPAN lib tarballs are tested on the above distribution versions only.

Other platforms may be supported in the future. Please contact us with any specific requirements you may have.

Availability

| Availability % | SLA | October | November | December |
|----------------|-------|---------|----------|----------|
| SRS | 99.90 | 100 | 100 | 100 |
| Whois | 99.90 | 100 | 99.97 | 100 |
| DNS | 100 | 100 | 100 | 100 |

SRS Response times

Performance figures on the production environment for the previous three months:

| Avg Response time (in seconds) | SLA Target | Oct 10 | Nov 10 | Dec 10 |
|--|------------|--------|--------|--------|
| Domain Details Query | ≤0.5 | 0.04 | 0.05 | 0.03 |
| Domain Update | ≤0.8 | 0.23 | 0.23 | 0.23 |
| Domain Create | ≤0.8 | 0.27 | 0.27 | 0.26 |
| Get Message | ≤0.5 | 0.03 | 0.03 | 0.04 |
| Whois | ≤0.5 | 0.07 | 0.06 | 0.06 |
| Whois queries at back end including Registrar (volume 000's) | N/A | 6,003 | 5,553 | 5,001 |
| Whois Server Queries (volume 000's) | N/A | 766 | 649 | 656 |
| UDAI Valid Query | ≤0.5 | 0.11 | 0.11 | 0.11 |

Server DNS % Availability

| | October | November | December |
|------------|---------|----------|----------|
| NS1 | 100 | 100 | 100 |
| NS2 | 100 | 100 | 100 |

| | | | |
|------------|-----|-----|-----|
| NS3 | 100 | 100 | 100 |
| NS4 | 100 | 100 | 100 |
| NS5 | 100 | 100 | 100 |
| NS6 | 100 | 100 | 100 |
| NS7 | 100 | 100 | 100 |

Unscheduled Outages during December 2010

| Outage Type | Total Duration |
|-------------------|----------------|
| SRS Unscheduled | 1 second |
| WHOIS Unscheduled | |
| DNS | |

Scheduled Outages during December 2010

| Outage Type | Total Duration |
|---------------------------|----------------|
| SRS Scheduled | 2.5 hours |
| SRS Emergency Scheduled | |
| Whois Scheduled | 2.5 hours |
| Whois Emergency Scheduled | |

Planned Scheduled Outages

Details of future SRS releases and planned scheduled outages can be found on our website <http://nzrs.net.nz/notices/updates>

Any Comments?

If you have any questions or concerns about the SRS, please don't hesitate to contact us. For registry or technical matters, contact Dave Baker at support@nzrs.net.nz or on 04 931 6970. For all other matters, contact Debbie Monahan at info@dnc.org.nz.

Please Note

If you would like to be notified of future updates, please use the SUBSCRIBE function on the DNC site and select the category 'Newsletters'. If you ever want to stop receiving our newsletter, please send an email with 'Unsubscribe' in the subject line to unsubscribe@dnc.org.nz