

.nz NEWSLETTER – January 2012

:: Domain Name Commission ::

SRS Availability

The SRS availability was 99.87% for December. This means the SLA availability standard of 99.9% was not met for the month of December 2011.

This was due to an outage of 60 minutes, 13 seconds on 6 December. The incident resulted from changes deployed in a scheduled maintenance window that exposed some long-standing bugs causing the outage. A successful fix was applied that afternoon to ensure the problem did not occur again and bug fixes will be introduced to production in the next maintenance window on 5 February 2012.

The last time the SLA availability standard was not met was August 2009 when the availability was 99.58%. In the 28 months from then, availability of 100% has been achieved in 22 of the months, including the whole of 2010.

Statistics

In November, the number of active .nz domain names increased from 463,960 to 466,192, a net increase of 2,232.

Figures as at 31 December 2011:

	<i>1 Dec 11</i>	<i>31 Dec 11</i>	<i>New registrations December</i>	<i>Renewals December</i>	<i>Net Growth</i>
.ac	1,903	1,911	23	299	8
.co	402,233	404,175	6361	58,280	1942
.cri	13	13	0	1	0
.geek	1,116	1,118	16	232	2
.gen	1,390	1,388	14	258	-2
.govt	1,099	1,105	6	1,067	6
.health	145	145	0	126	0
.iwi	76	77	2	12	1
.maori	677	663	8	82	-14
.mil	33	33	0	9	0
.net	26,060	26,224	442	3,511	164
.org	25,992	26,111	379	3,384	119
.parliament	8	8	0	8	0
.school	3,215	3,221	31	1,224	6
TOTAL	463,960	466,192	7,282	68,493	2,232

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

An issue has been detected with the .nz DNSKEY, which prevents DNS data validation under certain implementations. The underlying cause has been detected and reported in detail to the NZNOG mailing list:

<http://list.waikato.ac.nz/pipermail/nznog/2011-December/018622.html>

We are currently evaluating a plan to fix this issue. Once completed, we will publish the deployment schedule for the second level domains under .nz

SRS Architecture Upgrade

The new messaging middleware system (RabbitMQ) has been deployed to production. During January and February we will alternate between the Spread and RabbitMQ messaging systems whilst we undertake a period of fine tuning of the RabbitMQ system for optimum performance.

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 Pearl on support@nzrs.net.nz

Maintenance Windows for 2012

Maintenance windows have been scheduled for 2012, and listed at: <http://nzrs.net.nz/notices/updates>

Availability

Availability %	SLA	Oct 11	Nov 11	Dec 11
SRS	99.90	100	100	99.87
Whois	99.90	100	100	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 11	Nov 11	Dec 11
Domain Details Query	≤0.5	0.01	0.02	0.01
Domain Update	≤0.8	0.20	0.22	0.21
Domain Create	≤0.8	0.23	0.25	0.25
Get Message	≤0.5	0.03	0.04	0.03
Whois	≤0.5	0.05	0.05	0.06

Whois queries at back end including Registrar (volume 000's)	N/A	8973	8592	8680
Whois Server Queries (volume 000's)	N/A	972	831	896
UDAI Valid Query	≤0.5	0.09	0.10	0.10

Server DNS % Availability

	Oct 11	Nov 11	Dec 11
NS1	100	99.99	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 2011

Outage Type	Total Duration
SRS Unscheduled	3,613 seconds
WHOIS Unscheduled	0
DNS	0

Scheduled Outages during December 2011

Outage Type	Total Duration
SRS Scheduled	2 hours 30 minutes
SRS Emergency Scheduled	0
Whois Scheduled	2 hours 30 minutes

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.

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