

## **.nz NEWSLETTER – July 2012**

### **DNSSEC**

The deployment of DNSSEC across the .nz second level domains began in June, starting with the unmoderated second level domains. During July, [net.nz](http://net.nz) and [org.nz](http://org.nz) were signed. The unmoderated second level domain phase of deployment will be completed during August when co.nz is signed.

There are now 13 signed domains under .nz that can be fully validated.

A DNSSEC Friendly Criteria has been developed to identify Registrars that meet a higher level of service relative to offering DNSSEC services in the .nz space. Information about this can be found here: <http://dnc.org.nz/dnssec>

A DNS Security FAQ has been prepared for Registrants (<http://dnc.org.nz/story/dns-security-faq>) and a DNSSEC FAQ has been prepared for Registrars (<http://dnc.org.nz/story/dnssec-registrars-faq>).

Technical information related to the implementation including the second level domain deployment schedule is available here: <http://nzrs.net.nz/dns/dnssec>

### **:: Domain Name Commission ::**

#### **DNCL Second Level Consultation and Submissions**

The Domain Name Commission is proposing to extend the .nz domain name space by allowing anybody to register domain names at the 'second level'. This has the potential to significantly alter New Zealand's domain name space so it's important we get your views.

Key features of the .nz proposals include:

- Registration of .nz domain names could be at the second or third levels on an ongoing basis.
- Existing second level domains (such as .co.nz) will remain and continue to be supported.
- There will be no impact on any currently registered .nz domain names.
- Registrations at the second level will be on a "first come, first served" basis, except during the Sunrise Period and where there are currently multiple registrations of the same name in different second level domains.
- The Sunrise Period will be a designated window, where existing .nz domain name holders (registrants) can register their domain name/s at the second level if they are the only one that has that name at the third level.
- If two or more domain name holders have the same name at the third level, no-one will be able to register that name at the second level unless they obtain the consent of the

other third level name holders. Alternatively, if all agree, it could become a second level domain instead.

- A temporary amendment to the Dispute Resolution Service Policy to cover sub-domains of generic domain names registered at the second level.
- The above list is a very brief overview of the proposals.

The above list is a very brief overview of the proposals. The Consultation Paper at [http://dnc.org.nz/content/Second\\_Level\\_Consultation\\_Paper.pdf](http://dnc.org.nz/content/Second_Level_Consultation_Paper.pdf) and [http://dnc.org.nz/content/Second\\_Level\\_Consultation\\_Paper.html](http://dnc.org.nz/content/Second_Level_Consultation_Paper.html) provides more detail about what is proposed. It also includes marked up versions of the main policies affected so that people can get an indication of how it may be implemented.

Each section of the Consultation Paper raises specific questions. Please respond to these questions or, more generally, to any of the issues raised through the online response form at [https://www.research.net/s/dnc\\_consultation1](https://www.research.net/s/dnc_consultation1).

Submissions can also be made by email to [policies@dnc.org.nz](mailto:policies@dnc.org.nz), by fax to (04) 495 2115, or by mail to P O Box 11881, Wellington. The closing date for submissions is midday on Thursday 27 September 2012. These will be published on the consultation page as they are received.

## Statistics

In April, the number of active .nz domain names increased from 485,358 to 489,895, a net increase of 4,537.

Figures as at 30 June 2012:

	<i>1 June 12</i>	<i>30 June 12</i>	<i>New registrations June</i>	<i>Renewals June</i>	<i>Net Growth</i>
.ac	1,944	1,946	30	336	2
.co	421,084	425,194	9,888	65,048	4,110
.cri	14	14	0	2	0
.geek	1,174	1,191	33	240	17
.gen	1,401	1,412	22	299	11
.govt	1,126	1,113	2	1089	-13
.health	147	148	1	135	1
.iwi	78	79	0	12	1
.maori	926	956	37	100	30
.mil	34	34	0	9	0
.net	27,410	27,642	617	3,930	232
.org	26,723	26,853	467	3,852	130
.parliament	9	9	0	9	0
.school	3,288	3,304	33	1226	16
<b>TOTAL</b>	<b>485,358</b>	<b>489,895</b>	<b>11,130</b>	<b>76,287</b>	<b>4,537</b>

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 ::

### Staff changes

Michael Gray will be joining our team at the end of July to take over the Support Analyst role from Pearl Hanify who is leaving NZRS. Mike has a variety of experience in application support, systems and network administration. Mike will be involved in the day to day support and management of NZRS's SRS infrastructure.

### SRS

The SRS SSL CA certificate (srs-ssl-ca-cert.crt) in the current RIK is going to be replaced on the 29th October 2012 by a new NZRS SSL CA. The new NZRS SSL CA certificate has been included in the 5.24 RIK: certs/nzrs-ca-chain.pem. This will be uploaded to: <http://nzrs.net.nz/notices/updates>

If you are using the current SRS CA certificate to validate the SRS SSL certificate then you should add the new NZRS CA certificate to your list of trusted CA's.

### Availability

Availability %	SLA	Apr 12	May 12	Jun 12
SRS	99.90	100	100	100
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	Apr 12	May 12	Jun 12
Domain Details Query	≤0.5	0.01	0.01	0.02
Domain Update	≤0.8	0.19	0.17	0.18
Domain Create	≤0.8	0.23	0.20	0.22
Get Message	≤0.5	0.03	0.04	0.05
Whois	≤0.5	0.05	0.05	0.07
Whois queries at back end including Registrar (volume 000's)	N/A	8613	6552	5993
Whois Server Queries (volume 000's)	N/A	925	1045	1016
UDAI Valid Query	≤0.5	0.08	0.13	0.09

### Server DNS % Availability

	Apr 12	May 12	Jun 12
NS1	100	100	99.92
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 June 2012

Outage Type	Total Duration
SRS Unscheduled	34 seconds
WHOIS Unscheduled	0
DNS	0

## Scheduled Outages during June 2012

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

## 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](mailto:support@nzrs.net.nz) or on 04 931 6970. For all other matters, contact Debbie Monahan at [info@dnc.org.nz](mailto:info@dnc.org.nz).

## Please Note

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