

About CommunityDNS

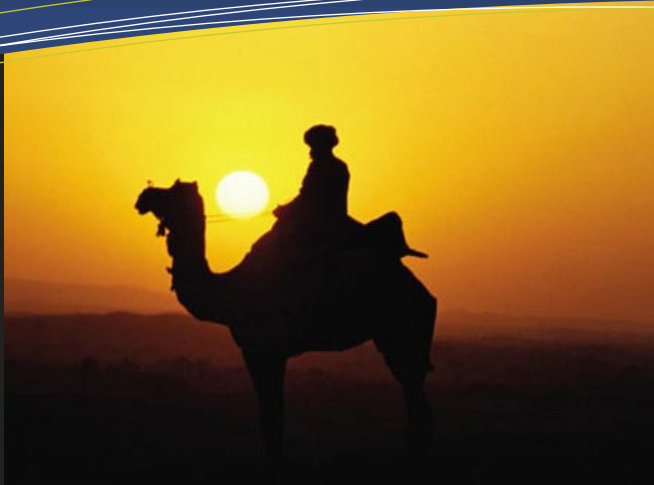
Supporting 120 million domain names from 97 TLD zones today, the current system has the capacity of supporting 585 billion queries per day, CommunityDNS has maintained 100% uptime since first providing DNS services in 1996.

When protecting your TLD from the malicious community, both security and speed of response matters! Optimized for speed and security, CommunityDNS is an experienced, global DNS provider that is 8 to 10 times faster than traditional DNS platforms.

CommunityDNS has a wealth of experience providing very fast and highly-secure DNS services utilizing a thorough, highly-distributed global footprint.

CommunityDNS

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- **Headquarters:** CommunityDNS, Bath University Innovation Centre, Broad Quay, Bath, BA1 1UD, UK
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IGF Welcomes CommunityDNS to Sharm el Sheikh



Markus Kummer - IGF
Executive Coordinator

It is with pleasure that I welcome CommunityDNS to Sharm el Sheikh for the 4th annual Internet Governance Forum meeting.

The IGF has been given the mandate to provide a platform for multi-stakeholder policy dialogue on matters related to Internet governance under the umbrella of the United Nations. This forum provides the space where stakeholders from around the globe can share their views and exchange ideas regarding Internet governance.

Having long worked with the TLD community, CommunityDNS is well versed in the challenges of the Internet. Providing one of the largest foundational services key to making the Internet resilient for all users, CommunityDNS has always worked to stay ahead of the malicious curve by delivering a service that is proven, well distributed and secure. As such I welcome the voice of experience CommunityDNS brings to the discussions here in Sharm el Sheikh.

Is the Internet Resilient for Your Citizens, Organizations and Your Country?

In keeping with the spirit of the IGF whereby people discuss and learn before heading back to their own countries to share what they have learnt, the following questions should be asked to provide a quality and resilient Internet for all:

- What is your country's digital image? How is your country's presence viewed on the Internet?
- Can businesses rely on your ccTLD or TLD for their global and economic presence?
- Are your fellow citizens and businesses protected from the malicious community?
- Are your citizens and businesses protected from DNS impacts by a DNS platform designed for maximum security and resiliency?
- Can people and businesses continue using the Internet when outages external to your country occur?

Discuss... Learn... Share...



Dynamic and growing, the Internet is a changing entity that has served and enriched people's lives for over a decade.

It is through groups, such as the Internet Governance

Forum, where people from around the globe come together to discuss, learn and share their knowledge and ideas about the Internet; discussions they bring from their home countries and discussions they can take back home to enrich the Internet experience for their fellow citizens.

It is through this effort CommunityDNS applauds the discussions brought forth through the IGF.





EYE ON IT

Current topics affecting the namespace industry

Most Notable

- ICANN ends Joint Project Agreement with the US and enters into an Affirmation of Commitments with the world.

Malware and Spam

- Botnets account for 87.9% of all junk e-mails. Small boutique botnets designed to extract information from enterprise networks.
- Infected PCs contain an average of 3 different types of malware.
- 485,000 distinct samples of scareware were detected in first half of 2009.
- 151,000 unique phishing attacks launched during send quarter of 2009.
- Up to 9% of computers in enterprise networks are bot infected. Expected bot growth within enterprise networks expected to grow 7% - 9%.
- Study of 100 million infected PCs found infections to remain for more than 2 years..

Infrastructure

- World Bank to invest \$215 million to bring low cost/high speed backbone to central Africa, reaching 12.7 million users.
- Earthquakes and typhoon damage 9 undersea cables affecting Southeast Asia.
- West African undersea cable restored. Hardest hit were Nigeria, Niger, Benin and Togo.

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Internet Development Program from CommunityDNS

Bringing Internet resilience and stability to developing nations – free of charge

Developing countries work to build a resilient Internet that will attract business and economic development to their country. Fundamental principles faced by developing nations are:

- Build and promote a healthy, resilient cyber image
- Attract businesses to enhance economic development
- Maintain Internet operations internal to their country during external outages
- Expand their capacity to guard against attacks due to cybercrime or cyber warfare.

Developed nations, on the other hand, have already identified the Internet as critical to their national infrastructure because people and organizations depend on the Internet for education, communication, entertainment, banking, e-commerce and jobs. Internet-based organizations provide innovation and strengthen the nation's economy.

The Internet Development Program, sponsored by CommunityDNS, is designed to improve Internet reliability and security to developing nations while growing their Internet's e-commerce activity.

Aligning with CommunityDNS' mission and philosophy of empowering a more resilient, robust and secure Internet by providing at least one server containing a "global" copy of the Internet's critical Domain Name system to every country worldwide, CommunityDNS has launched the Internet Development Program. The program is designed to improve internet reliability and security to developing nations while growing their Internet e-commerce activity.

Designed to improve Internet reliability and security to developing nations CommunityDNS will, without fee, provide each participating country with:

- Opportunity to place a developing country's DNS information in the heart of the developed world
- A DNS server managed by CommunityDNS
- The possibility of 100% of the world's name space (currently supporting 73% now) placed within your country
- Services so Internet operations within a developing nation remain in operation during international network outages.
- The ability for a developing nation to distribute their country's ccTLD Data throughout CommunityDNS's extensive global Anycast network; providing maximum redundancy and resiliency.

To help a country stimulate its e-commerce activity joining the program is quick and simple.

All that is required is:

- Host a CommunityDNS-supplied server within your country and provide 64kbps of bandwidth for CommunityDNS to access and manage the server.

A stable and resilient Internet means stepping up and taking responsibility. By joining the program developing countries place their country on the fast track to a stable and secure Internet.

Providing a resilient and always-operational Internet is key for growing a country's Internet e-commerce activity. Providing a resilient internet is key to attracting companies to your country. Providing a resilient Internet minimizes effects due to international outages while strengthening a country's defenses from cyber attacks and cyber crime. Providing a resilient and stable internet for its citizens with reliable educational and service opportunities.

CommunityDNS is proud to announce Kazakhstan as the program's first member, to be followed soon by Armenia!





Curbing the Malicious Community through Clear DNS

Providing tools for combating botnets and identifying compromised computers

In its continued effort to empower a more resilient, robust and secure Internet, CommunityDNS drives further intelligence into DNS by implementing a clear DNS service. The service, which detects compromised computers and dynamically blocks malicious sources

from impacting users, also proactively and dynamically flags domains associated with malicious intent keeping users from landing on

such sites. Great for ISPs, Registrars and Enterprises alike, this new service not only obtains information from industry security specialists, it allows customers to dynamically customize lists of sources deemed to negatively impact its users.

With botnets, spam, phishing and malicious malware climbing at a feverish pace, users and organizations are spending large amounts of time and money repairing damage caused by the criminal and malicious community.

Why is this service important?

Infections are up 66% between the fourth quarter of 2008 and the end of June, 2009; botnets are behind most of

the malware infection. Botnets account for 87.9% of all junk e-mails.

9% of computers within an enterprise network are part of a botnet. Boutique botnets, a new trend, are designed to extract information from enterprise

networks. A study of 100,000,000 infected computers found infections can last more than two years on a compromised computer while

another study points out compromised computers contain an average of 3 different types of malware.

Botnets are retooling quicker after the shutting down of safe-harboring hosting firms. The large botnet at McColo, which shut down in November, 2008, was 100% operational by mid March; a 4.5 month retooling effort. In June, 2009, 3FN.net was shut down with the large, Cutwail botnet 50% operational within 48 hours. August, 2009, Real Host was shut down. Within 48 hours 90% of the Cutwail botnet was back in operation.

Shutting down safe-harboring hosting providers is necessary, but botnet downtime is minimal. Relying on com-

mon command-and-control architecture individual bots need to connect with a respective botnet's servers. DNS is the common denominator for bots to communicate with their home servers. ISPs form the gateway for infected computers to communicate with their command servers. It is no wonder organizations look to ISPs as the gateway point from which to curb botnet activity. CommunityDNS will help ISPs cut access to the malicious community while helping them identify which of their customers have infected computers.

"In order to provide a resilient internet CommunityDNS is doing what it can to provide tools necessary to rid DNS of the clutter associated with cybercrime", says Paul Kane, CEO of CommunityDNS. Kane further states, "The more dynamic we can be in ridding malicious clutter, the better experience end-users will have. Confidence levels will increase. Confidence results in stronger economic development for organizations, countries and geographic regions."



EYE ON IT

Infrastructure [continued from page 2]

- Global mobile broadband expected to reach 600 million subscribers, out of 4.6 billion mobile subscribers by end of 2008.
- Second undersea cable goes live for East Africa.
- Rwanda looks to broadband to help the country become a hi-tech economic innovator.
- Global broadband connections reach 445 million users. 70% of all broadband connections found in 10 countries; China, US, Japan, Germany, France, UK, South Korea, Italy, Brazil and Canada.
- Worldwide e-commerce equals \$6.8 trillion dollars, or 15% of the global GDP.

Filtering

- Under the Australian Internet Security Initiative (AISI) Australia will work with its ISPs to curb botnets.
- Dutch ISPs sign treaty to fight botnets.
- Google executive says ISPs are in the best position to block botnets.


Country


- Finland passes law declaring broadband a legal right.
- Singapore forms National Cyber-Security Agency, or Singapore Infocomm technology Security Authority (SITSA)
- The Centre for Secure Information Technologies (CSIT) opens in Belfast.





CommunityDNS continues to grow!

Already providing support for more global names than any other DNS provider, CommunityDNS continues to grow and welcomes three new countries with four additional nodes to its family.

New Node: Semey, Kazakhstan: With grateful thanks to  NIC.KZ, especially Pavel Gushev, CommunityDNS is proud to announce a new node in Semey, Kazakhstan Republic.

New Node: Milan – Italy: With thanks to Maurizio Martinelli,  Italy, through Milan IX, joins the community of other countries providing Internet resilience through establishing a new node. Ciao!

2 New Nodes: -- Russia: CommunityDNS is pleased to add  Russia to our DNS community with the installation of two nodes, one in Moscow and the other in St. Petersburg. Thanks to Московский Internet Exchange and RIPN.

New Node: Zagreb, Croatia: Sharing a common desire for  Internet resiliency, Croatia is the newest member to join the CommunityDNS family. Particular thanks to Zoran Vlah and Tomislav Stivojevic from CARNET.

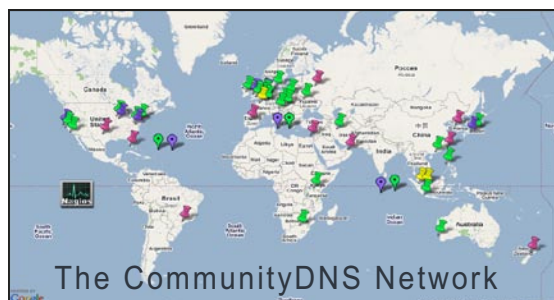
.TM Domain Registry Signs With DNSSEC

First-of-its-kind service and technology

On November 1, 2009, .TM became one of the few TLDs signed with DNSSEC. Whilst signing with DNSSEC brings greater security to domain name holders and their customers, the benefit of DNSSEC is to establish a “chain-of-authentication” where users will know the .TM site they are visiting is the intended site. The process is designed to stop phishing and hijacking to other sites operated by cybercriminals.

While only a handful of TLDs are signed with DNSSEC, what makes this revolutionary is that .TM domain holders can update their secure , unique fingerprint, or key, in real time; reducing exposure due to any compromise.

Well done, .TM!



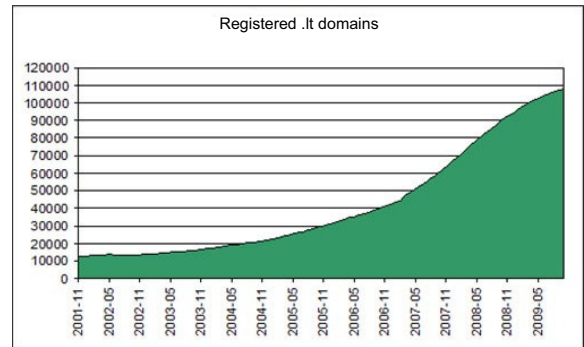
Community Spotlight

In its continued effort to highlight members of the CommunityDNS family, we shine the spotlight on Domreg.lt, the registry for the ccTLD of Lithuania and Nic.IT, the registry for Italy.



Domreg.lt is the registry for Lithuania. Based in the Internet service department at Kaunas University of Technology, Information Technology Department Institute.

First added to the root zone in June 1992, Domreg’s objective is to serve the local Internet community whilst sharing their knowledge with the broader Internet community. Currently administering more than 108,000 names, 89% of its registrants are Lithuanian companies and citizens.



Domreg is also an ICANN accredited registrar for .com, .net, .org, .info domains and is an accredited EURID registrar for .eu names.



Registro.IT is the registry for Italy. Based in the Institute for Informatics and Telematics (IIT)

of the Italian National Research Council (CNR) since December 1987 and carries out all the activities regarding registration and maintenance of .it domain names.

Today, it manages more than 2,000 active agreements with Maintainers and Registrars and about 1,750,000 active domain names. The Registry is the fifth European national Registry and the eighth worldwide. All the activities are carried out in accordance with the requirements imposed by the ISO 9001-2000 quality certification.

On 28 September 2009, the Registry .it successfully launched a new registration synchronous system based on the EPP Standard Protocol. The synchronous system will work alongside the current asynchronous system until 30 June 2011.



CommunityDNS's Blog...

In order to provide brief information on what is going on around the globe that can affect members of the DNS community, a blog has been established to deliver a quick digest of the four to six top news bits for that respective business day. Currently distilling stories from 32 news sources the CommunityDNS blog is a great way to quickly & easily gain a quick glimpse of items affecting our community today.

- Nigeria to clean up its cyber image through Operation Eagle Claw.
- Southeast Asia undersea cable bandwidth to expand.
- Most Americans worried about ID theft.
- America fights over Net neutrality while Canada clarifies theirs.

Visit: blog.communitydns.net

