

# Privacy and Protection of Online Identity in the New Internet Age.

*Where there will be more devices connected than people.*

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## About The Internet Society

- The Internet Society is an international cause-related organization that works for the open *development* and *evolution* of the Internet for all people.

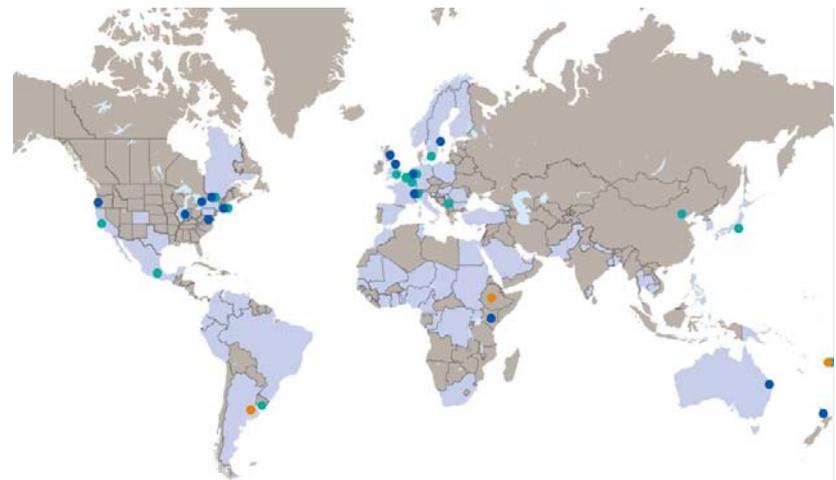
The Internet is for everyone...  
*and the Internet Society is for everyone who  
cares about the Internet!*

- Vision: “The Internet is for Everyone.”



## Who are we?

- Founded in 1992 by Internet Pioneers, as an international non-profit organization
  - 100+ organization members
  - tens of thousands of individual members
  - 90+ chapters worldwide
  - Regional Bureaus: Africa, Europe, Latin America & Caribbean, North America, South & South East Asia



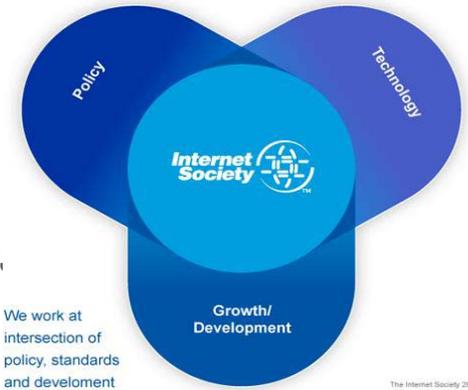
## The Internet Society's principles

- We see a future in which people everywhere can use the Internet to improve quality of life:

*...when standards, technologies, business practice, and government policies sustain an open and universally accessible platform for innovation, creativity, and economic opportunity.*



### How We Work



We work at intersection of policy, standards and development

The Internet Society 2011



InternetSociety.org

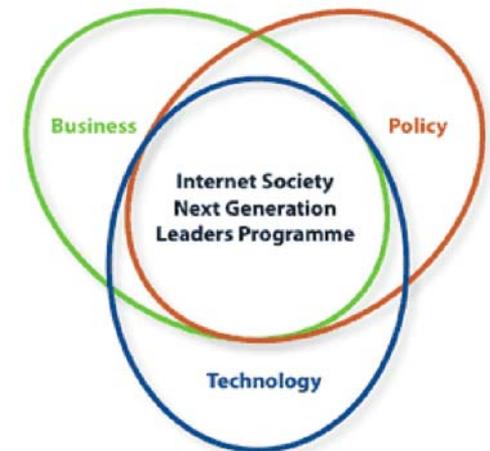
## What makes the Internet Society unique?

- Sole focus is the Internet
  - Development, Standards, Policy
- Enable regional capacity and technical community building throughout the world
- Key player in Internet policy
  - Particularly in the Internet Governance Forum (IGF) and other intergovernmental forums
- Organisational home of the Internet Engineering Task Force (IETF), Internet Architecture Board (IAB), and related bodies



## A focus on action – some key priorities

- **Global outreach**
  - a worldwide community of experience and expertise
- **Advancing the health of the Internet**
  - IPv6 deployment, Open internetworking, DNSSEC
- **Next generation of Internet leaders**
  - advancing tomorrow's leaders
- **Network confidence**
  - supporting development of user trust



## About Internet Society Cameroon Chapter (1)

- incorporated under the laws of Cameroon as an independent nonprofit organization;
- works for the development, use and open access to the Internet in Cameroon;
- promote, in a global context, the open development, evolution and use of the Internet for the benefit of everyone in Cameroon;
- provides a multistakeholder forum for the exchange of views and experiences on Internet open development and use in Cameroon;
- Promotes development of local Internet content;
- promotes best practices on the Internet, security, protection of privacy, protection of Human Rights, the fight against cybercrime.
- More on [www.internetsociety.cm](http://www.internetsociety.cm)



## About Internet Society Cameroon Chapter (2)

- Voluntary groups of ISOC members, working together on local issues, with the backing of a global community
- Successful Chapters create an open, inclusive environment and bring together people from all backgrounds:
  - technical
  - civil society
  - law and policy
  - education
  - business
- Developing solutions to local challenges



## What the new Internet Age?

- More Top Level Domain Names with the NewgTLDs Program

Before 2000, there were only:

- 4% of the world connected to the Internet with 2% in the USA
- 3 millions web sites;
- 7 Generic Top Level Domain (gTLDs like .com, .net, .org, .edu, .mil...)

Today:

- 35% of the world is connected to the Internet;
- 635 millions of web sites;
- 1905 new gTLDs applications.



## What the new Internet Age?

- Everything connected with IPv6
  - Some there will be more devices connected than people in the planet (your car, your medical device, your home, appliances, ...)

We feel lost and unsafe on this new environment and there is a need to secure.

There is an interesting video on this issue available on ICANN web site:

<https://www.mycann.org/join-strategy-conversation?language=en>



## Our privacy in the new Internet Age

*Does the Internet makes our lives more private or less?*

*The Internet and the WWW since the inception were to build a global community of information sharing. Any party can share information with another party.*

*Most of those shared information is about us, the users.*

*Some of those information can be misused.*

*If an information is really private, don't put online; if you put it online, encrypt it and send decryption only to the authorized person.*



## How about your privacy when It comes to Internet resources?

*Some information about us are collected during the registration of a domain name.*

- **Registration Data**
- **WHOIS**

*Those information can be misused.*

## Understanding and protecting your online Identity



- Your online identity is about what you have been doing online.
- Your identity has value, as do each of your online partial identities. When your partial identity is with your bank or a brokerage house, for example, it may have clear monetary value. When it is with a social networking site, such as Facebook, twitter, badoo, or MySpace, the value may be less tangible but equally important to you.
- Simply by being an active Internet user, you may find that you accumulate tens or even hundreds of online partial identities.

## Understanding and protecting your online Identity

- Identity theft, which results in a loss of control over one or more of your partial identities, is a natural concern;
- as the value of your partial identities grows, the information becomes more attractive to thieves. At the same time, because each of your online partial identities contains some information that may be very private, generally protecting yourself from a loss of privacy is often equally important.

## How can identity theft occur?

Identity theft can happen in several ways. The three types described here are common and happen every day:

- You are deceived into disclosing important personal information to the wrong person;
- Someone (or some entity) is able to guess one or more of your passwords, or reset a password by exploiting password-recovery procedures, thereby unlocking your online identity
- Someone (or some entity) is able to eavesdrop on you electronically or take control of your computer without your knowing.

## How can I learn to avoid giving the wrong person my identity?

- A little education and some common sense are the most important tools you have to avoid divulging sensitive personal information to individuals or entities that plan to exploit it. The U.S. Federal Trade Commission is a good place to start, even if you don't live in the United States. The website at <http://www.ftc.gov/idtheft> contains useful information in English and Spanish aimed at educating consumers about avoiding identity theft.
- There are also some technologies that can help. For example, newer versions of most Web browsers have the ability to check websites and alert you to ones that are known to be malicious. The Online Trust Alliance (<https://otalliance.org/>) has a resource list to help you learn more about the technologies that can help protect your identity on the Internet.

## How can I keep someone from stealing my password?

- Use long password. If a password is easy to guess, then it is easy to steal;
- avoid using the same password for multiple websites, so if one website is compromised, your stolen credentials can't be used at other sites;

## How can I keep someone from resetting my password?

- Password resets are meant to help you when you've lost a password (or have been locked out);
- Every website has a slightly different technique for resetting a password, but the general idea is that you ask for your password to be reset, often by answering some personal "security" questions you have previously answered;
- avoid using simple questions and answers. The way, even someone who knows a lot about you will have trouble answering the questions.

More on: <http://www.internetsociety.org/what-we-do/internet-technology-matters/privacy-identity>



## Internet is an extraordinary force for good

- ISOC believes that the Internet is fundamentally about opportunity, empowerment, knowledge and freedom.
- The success of the Internet as a global medium for communication and innovation is derived from the openness and transparency of the Internet's technical and policy development.
- Training and awareness are key to make the Internet safe for users.



## The challenge for an emerging Internet community

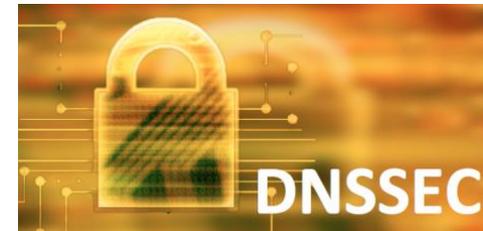
- The Internet itself is still in its infancy
  - There are issues that can't be ignored, such as security, safety, privacy, crime...
- But the benefits of the Internet vastly outweigh the risks and are only possible by embracing the open nature of the Internet; preserving the users' ability to:
  - ***connect***
  - ***communicate***
  - ***innovate***
  - ***share***
  - ***choose***



# Securing the DNS: Internet Society Deploy360 Programme

## •The Challenge:

- The IETF creates protocols based on open standards, but some are not widely known or deployed
- People seeking to implement these protocols are confused by a lack of clear, concise deployment information



## The Deploy360 Solution:

- Provide hands-on information on [IPv6](#) and [DNSSEC](#) to advance real-world deployment
- Work with first adopters to collect and create technical resources and distribute these resources to fast following networks

## Deploy360 Components

### Web Portal

*(Online Knowledge Repository)*

- Technical documents
- Audience-specific information
- Blogs & social media

### Speaking Engagements

*(Come Meet Us or Invite Us to Speak)*

- Consumer Electronics Show
- IPv6 Summits
- Interop

### Social Media

*(Constant Audience Engagement)*

- Twitter
- Facebook
- Google+
- YouTube
- RSS Feeds

### ION Conferences

*(Hands-on Educational Events)*

- Slovenia
- India
- USA
- Canada
- Argentina



**Thank you!**

**Questions?**

**More Info:**

[www.InternetSociety.org](http://www.InternetSociety.org)

<http://www.internetsociety.org/what-we-do/internet-technology-matters/privacy-identity>

<http://www.internetsociety.org/deploy360/>

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