Internet Society and Portuguese Chapter of Internet Society 2020 Action Plan

Disclaimer: this presentation has only my personnel points of view

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Internet Society

"Founded by pioneers of the early Internet, we drive technologies that keep it open and safe. We promote policies that empower people, and enable access for all. We stand for a better Internet."

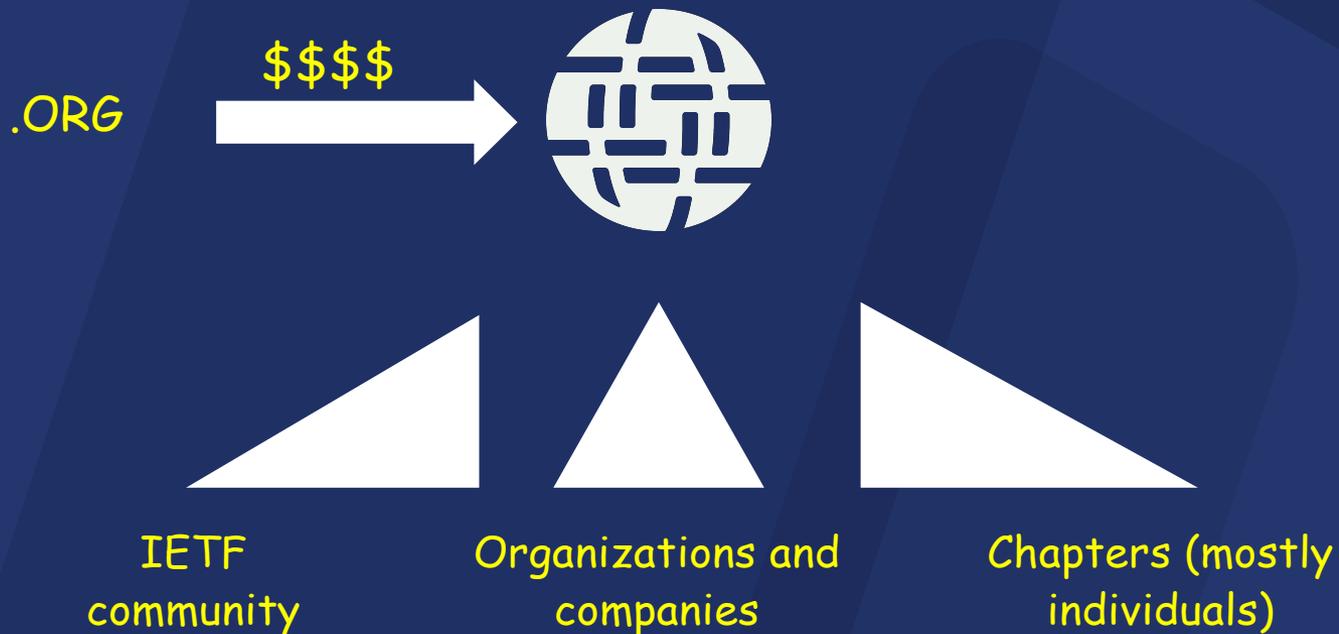Vint Cerf

Internet Society

- The Internet Society is a non-profit international organization with three types of constituents: IETF community, organizations at large and the public at large (organized in chapters and SIGs)

  - Home of the IETF

  - More than 100 organizational members (NRENS, RIPE, IANNA, Google, Cisco, Facebook, Telefonica, Microsoft, ... NLNET Labs, ...

  - More than 130 Chapters with (mostly) individual members

  - 250 members in the Portuguese Chapter

Organization

Board of Trustees with 12 members: 4 (IETF), 4 (Organizations), 4 (Chapters)

Executive structure: CEO, directors, officials, ... (more than 30 people)

.ORG $$$$ →

IETF community   Organizations and companies   Chapters (mostly individuals)

Mission

The Internet Society supports and promotes the development of the Internet as a global technical infrastructure, a resource to enrich people's lives, and a force for good in society.

Our work aligns with our goals for the Internet to be open, globally-connected, secure, and trustworthy. We seek collaboration with all who share these goals.

Together, we focus on:

- Building and supporting the communities that make the Internet work;

- Advancing the development and application of Internet infrastructure, technologies, and open standards; and

- Advocating for policy that is consistent with our view of the Internet

Our vision: the Internet is for Everyone

The Internet must be Open, Globally Connected, Secure and Trustworthy

- Globally connected means that any part of the network can communicate with any other part by using the same open standards and protocols.

- While no system as broad and diverse as the Internet can be completely secure, vulnerabilities and threats must be mitigated to acceptable risk levels, and design and deployment of services must follow the best practices we know.

- Trustworthiness requires the Internet to work in a resilient, reliable, and accountable way that consistently meets users' expectations.

2020 Action Plan

It has a different flavour of the previous ones (new CEO, …)

It is more focused and in part more

"results oriented"

However, the goals are narrow in my opinion

II. Strengthening the Internet

Security and trustworthiness are preconditions
to the Internet's use and growth

Promoting the Internet Way of Networking

- Fight state and market centralization
- Fight winner-takes-it-all global economy
- Promote the "Internet way of networking"
- Fight centralization mind sets
- Fight Internet fragmentation
- Promote cooperation and fight for sane regulation

Extending Encryption

- Effective encryption is key to secure online communications for everything, from financial transactions to healthcare. It is a foundational component upon which a trustworthy Internet is built
- Fight against policies, products and practices that undermine digital security
- Advance the use of end-to-end encryption

Securing Global Routing - MANRS

- Promote MANRS – Mutually Agreed Norms of Routing Security

- By the end of 2020 the number of organizations using MANRS should have doubled

Internet Society
Portugal Chapter

Lisboa, Portugal, 21/November/2019

Lisbon Course on MANRS

Mutually Agreed Norms for

Routing Security

Specially aimed at ISPs and IXPs

👉 https://manrs.isoc.pt

Increasing Time Security

- Accurate time is essential for the trustworthiness of the Internet. Many general security mechanisms, such as the setup of encrypted channels and digital signature creation and verification, depend on accurate time information.

- This project will stimulate the implementation of secure network time protocols, raise awareness to promote adoption, and build capacity to decrease the cost and risk of deployment.

Internet Society
Portugal Chapter

Lisbon, Portugal, 15/April/2020

ISOC.PT ANR 2020
Advanced Network Research
Workshop & PRIZE

anrw-prize.isoc.pt

Steering Committee

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Massimiliano Stuchi (ISOC Europe)
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Edmundo Monteiro (Univ. Coimbra, ISOC PT)
Henrique Domingos (UNL, ISOC PT)
José Legatheaux Martins (UNL, Chair ISOC PT)
Julião Braga (ISOC PT)

Organization

> Co-Chairs:

Henrique Domingos (ISOC.PT, UNL)
Rui Aguiar (Univ. Aveiro)

> Organization Committee:

José Legatheaux Martins (ISOC.PT, UNL)
Rogério Reis (ISOC.PT, Univ. Porto)

Important Dates

Call for Contributions:
1/Oct/19 to 1/Mar/2020
Author(s) Notification: 22/Mar/2020

Program Committee

Alexandre Santos (Univ. do Minho)
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Promote the Use of Open Standards and Protocols

- This project will demonstrate and document the operational details of implementing open standards and best practices for secure web servers (e.g. DNSSEC, IPv6, and TLS 1.3), and translate them into easy-to-access and use resources that allow others to do the same.

- It specifically targets small-to-medium sized organizations and enterprises, which make up a large portion of the web ecosystem.

- By the end of 2020, the project will have deployed four reference servers using two major open source web servers, each with and without a Content Delivery Network (CDN), reflecting common approaches in the target audiences.

- The specifics of the reference implementations and documentation will be updated over the longer term to ensure they remain relevant and current as, for example, new versions of web server software and protocols become available.

Open Internet Standards

III. Growing the Internet

Projects:

- Building Community Networks

- Fostering infrastructure and technical communities (Education, IXPs, supporting NOGs, …)

- Measuring the Internet

Measuring the Internet

- This project addresses the need to have a single, easily identifiable place to go to find up-to-date data about trends that are shaping the Internet's infrastructure and the health of the Internet way of networking itself

- The information will be tailored to help a variety of stakeholders—including policymakers, researchers, and journalists—better understand the growth and evolution of the Internet along a variety of dimensions.

IV. Building Our Community and Extending our Voice

Founded by Internet pioneers, the Internet Society works with a diverse community of members, Chapters and Special Interest Groups. Strengthening engagement with our community is critical to the Internet Society's long-term success and it is a key component of most 2020 projects

Building our Community

- Strengthening engagement with our community is critical to the Internet Society's long-term success and it is a key component of most 2020 projects. Beyond project-specific engagement, in 2020, we expect to undertake a focused, coordinated effort to understand better the community's interests.

- Beyond the immediate Internet Society community, we will build partnerships, foster governmental and intergovernmental relations, and pursue fundraising opportunities at global, regional, and national levels.

Building our Community

We will continue to undertake targeted programs to connect individuals to vibrant communities helping to build the global Internet. This includes the ISOC Policy Fellows to the Internet Engineering Task Force (IETF), and the Youth at the Internet Governance Forum (IGF). Rising opportunities at global, regional, and national levels.

ISOC's Portugal Action Plan 2020

More ? Want to cooperate and help ?

Projeto "ePrivacidade Trocada por Míudos"

- Projeto "ePrivacidade Trocada por Miúdos"

- O Portuguese Chapter da Internet Society e o Projeto "Miúdos Seguros na Net", promovem o desenvolvimento de conteúdos em português e um concurso dirigido à juventude com o objetivo de difundir cuidados higiénicos no que toca à privacidade online.

- O projeto é financiado pela Internet Society Foundation e vai agora começar.

Internet Society
Portugal Chapter

MIÚDOS
SEGUROS NA .NET

Internet
Society
Foundation

Do you need help to build something that fits in ISOC's goals?
Do you need help from us to accomplish your goals?

Become a member:

https://isoc.org

https://isoc.pt

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