

ION BUCHAREST 2016

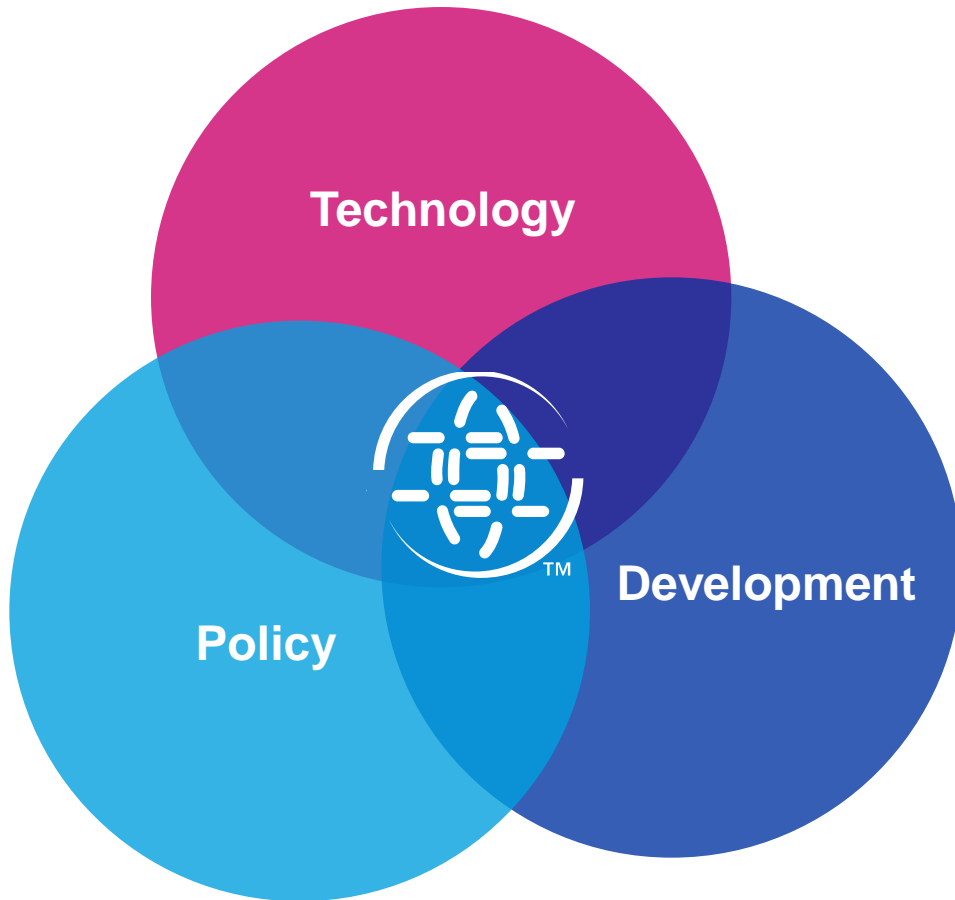
What is the Internet Society?

Global organisation of members, chapters and partners to promote the open development, evolution, and use of the Internet for the benefit of all people throughout the world

- Encourages open development of standards, protocols, administration
- Provides reliable information about the Internet
- Leads and facilitates discussion of issues that affect Internet evolution and developments
- Fosters growth in developing countries through education and training/
- Encouraging participation and develops new leaders in areas important to the evolution of the Internet



How We Work



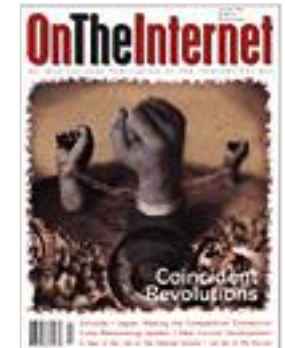
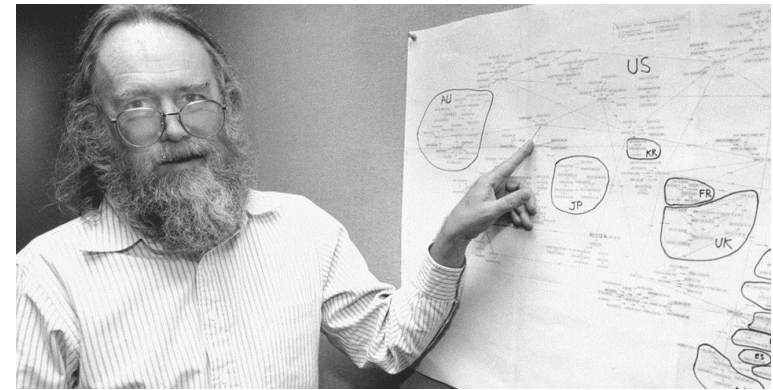
Operating at the intersection of **policy**, **technology**, and **development** to bring unique perspectives on how to address some of the significant issues facing the Internet today

History

Founded in 1992 by Internet pioneers Vint Cerf and Bob Kahn as an international nonprofit organization.

The Internet Society is the organizational home of the Internet Engineering Task Force (IETF), the primary entity responsible for establishing the Internet's open standards and best practices.

For more details, visit www.internetsociety.org/history



Global Presence



110+

Chapters
Worldwide

80,000+

Members and
Supporters

145+

Organization
Members

6

Regional
Bureaus

18

Countries with
ISOC Offices





Deploy360 Programme

Technical Info, BCOP, DNSSEC Coordination, ION Conferences

About Deploy360

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, DNSSEC, TLS for Applications, Securing BGP, and Anti-spoofing to advance real-world deployment
- Work with first adopters to collect and create technical resources and distribute these resources to fast following networks

The Deploy360 Team

- **Kevin Meynell** – Content & Resource Manager
- **Megan Kruse** – Technology Outreach and Strategic Planning Manager
- **Jan Žorž** – Operational Engagement Programme Manager



Deploy360 Components

Web Portal

(Online knowledge repository)

- Technical documents
- Case Studies
- Tutorials and Guides
- Blogs

Social Media

(Constant audience engagement)

- Twitter
- Facebook
- Google+
- YouTube

Speaking Engagements

(Come meet us or invite us to Speak)

- Network Operators' Groups
- IPv6 Summits
- Interops
- Other relevant events

ION Conferences

(Hands-on educational events)

- Bangladesh
- China
- Pacific

Web Portal – <http://www.isoc.org/deploy360>

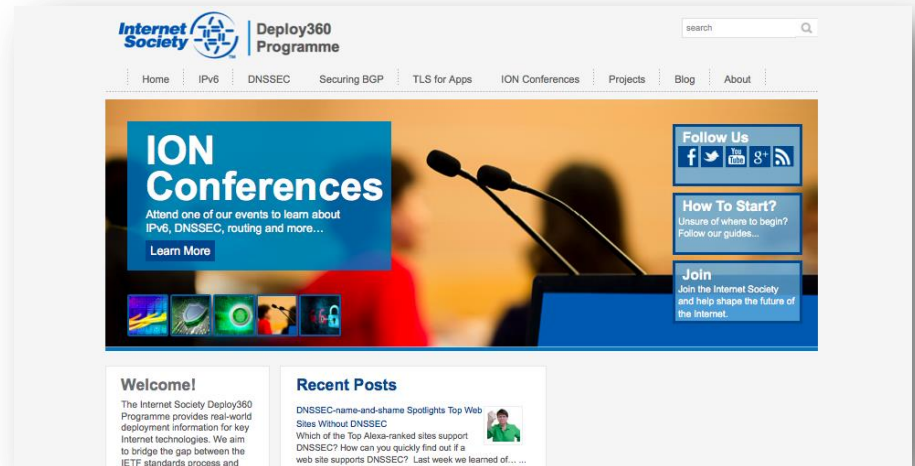
IPv6, DNSSEC, Securing BGP, TLS for Applications, Anti-Spoofing knowledge base including tutorials, case studies, training resources, etc..

Content specific to:

- Network Operators
- Developers
- Content Providers
- Consumer Electronics Manufacturers
- Enterprise Customers

Blog posts

Social media integration



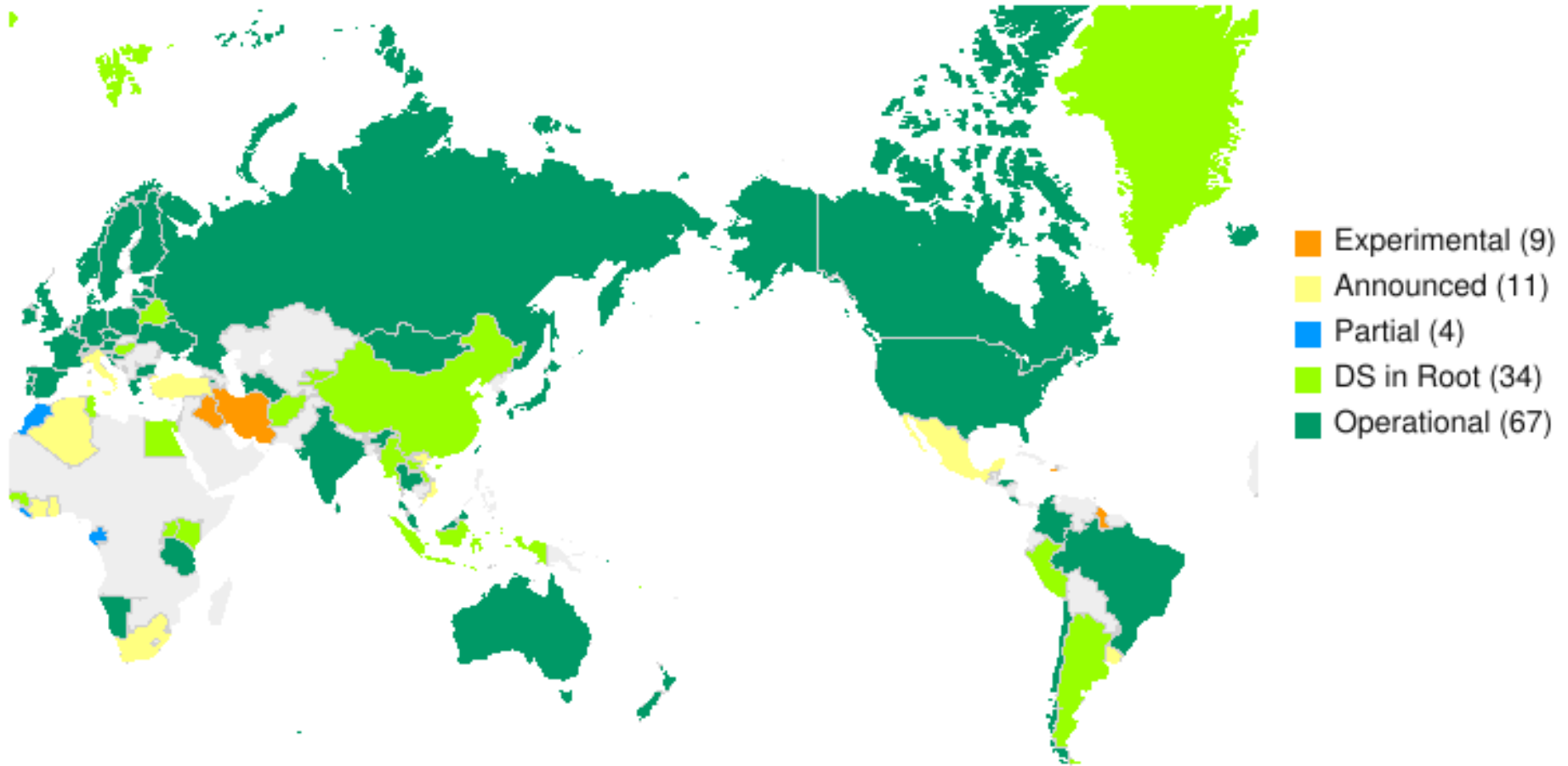
DNSSEC Deployment Maps

We generate maps providing view of global DNSSEC deployment

Based on observed information as well as information collected from news reports, presentations and other data on announced, experimental and partially operational

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

ccTLD DNSSEC Status on 2015-06-19



BCOP: Best Current Operational Practice

Operational knowledge tends to be ‘tribal’

- Presentations, hallway conversations, internal documents, information inside of peoples’ heads.
- Technology, tools and practices evolve over time
- Many operational forums, with archives in different formats

Living documents describing best operational practices as agreed on by subject matter experts

- Community driven, written and vetted
- Open, transparent and bottom-up
- Periodically reviewed by global network engineering community

Current BCOPs

NANOG BCOP Committee – chaired by Aaron Hughes & Chris Grundemann

- IPv6 subnetting
- Public Peering Exchange
- Ethernet OAM
- DDoS/DoS attack

RIPE BCOP Task Force – chaired by Benno Overeider & Jan Žorž

- Requirements for IPv6 in ICT Equipment
- IPv6 troubleshooting for helpdesks
- Controlled IPv6 deaggregation by large organisations
- IXPs
- BGP Best Practices

Other BCOP Activities

AfNOG BCOP Group – led by Douglas Onyango

LACNOG BCOP TF– led by Luis Balinot & Pedro Torres Jr.

Asia-Pacific – first BCOP meeting held at APRICOT 2015
chaired by Fakrul Alam

More involvement needed

- Offers ideas for new drafts
- Kickoff a new document or contribute to existing draft
- Start a BCOP effort
- See <http://www.internetsociety.org/deploy360/projects/bcop/>

We need your help!

Adding more content

- Actively engaging with industry professionals to curate or create deployment content
- Help us develop materials based on your experiences (we credit you)
- Point us to useful resources
- Tutorials, guides, HOWTOs, reports, white papers, tools, developer libraries and case studies

Suggest topics and features that should be included

Helping with translations



ION Conferences



ION Conferences bring together network engineers and industry experts to discuss emerging technologies

- Early adopters provide insight into their own deployment experiences
- Bring participants up to speed on new standards emerging from the IETF
- Provide knowledge of what's required to deploy new technologies on your own networks

3-4 events per year, co-located with other networking events in varying locations

Future events announced at

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



Today's Agenda

Time	Topic
14:10	Deploying DNSSEC – <i>Dan York, ISOC</i>
14:50	Romanian DNSSEC Case Study – Catalin Leanca, ICO ROTLD
15:10	Let's Encrypt & DANE – Jan Žorž, Internet Society
15:50	Break
16:10	MANRS & Routing Resilience Manifesto – Kevin Meynell
16:25	The Case for IPv6 - Alvaro Vives, RIPE NCC
16:55	Panel Discussion: IPv6 Success Stories Lucien Constantin, IDG (Moderator) + George Puiu, Alin Stefanescu, Alvaro Vives & Jan Žorž
17:40	What's Happening at the IETF? Internet Standards and How to Get Involved – Kevin Meynell

Thanks to our ION Series Sponsor!

AfiliasSM

The logo for Afilias features the word "Afilias" in a bold, black, sans-serif font. The letter "A" is significantly larger than the other letters. A blue globe icon, composed of a grid of lines, is positioned inside the lower-left portion of the "A". A small "SM" trademark symbol is located to the upper right of the "s".

Thanks to our host!



Thank You!

Kevin Meynell

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@Deploy360 (#IONConf)

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

