

RPKI Workshop

Agenda

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Randy Bush <randy@psg.com>

Rob Austein <sra@isc.org>

Michael Elkins <me@sigpipe.org>

Philip Smith <pfs@cisco.com>

Agenda

- X.509, RPKI, Origin Validation
- Hands-On Lab - GUI and Routers
- Status of Implementations
- BGPSEC: AS-Path Validation (future)

This is Not New

- 1986 - Bellovin identifies vulnerability
- 1999- S-BGP - X.509 PKI to support Secure BGP - Kent, Lynn, et al.
- 2003 - NANOG S-BGP Workshop
- 2004-2009 - SO-BGP vs S-BGP Wars
- 2006-2010 - RPKI, Origin, and BGPSEC Development
- 2009 - ISOC discovers problem 😊

Recent History

- 2006-2008 - RPKI Design, outside IETF
- 2008-present - RPKI in IETF sidr WG
- 2009-present - sidr works on Origin Validation
- 2008-present - BGPSEC - AS-Path Validation Design, outside of IETF
- March 2011- sidr takes up BGPSEC work