
SIDR: Process Suggestions

Russ White

riw@cisco.com

Process Suggestions

- Try and sort out the requirements
 - How important is partial deployment?
 - Can origin authentication “stand alone?”
 - Is deployment on existing equipment an issue?
 - Is a growth path for BGP an issue?
 - Break problems apart where possible
 - *We commonly break problems into smaller pieces and solve each piece; we should treat this one the same way!*
 - Split
 - “Validity” and “policy?”
 - Routing security and key management?
 - Routing security from authority?
 - *I don't know the answers, just suggesting some questions—other questions may be more valid!*
-

Progress Suggestions

- Consider technologies, rather than proposals
 - Two (current) ways to validate origin authorization
 - Carry the authorization in the BGP packets
 - Hold the authorization off the BGP speakers, and access it in some way (distributed/centralized databases, etc.)
 - Two (current) ways to validate the AS Path
 - Signatures on the AS Path
 - A graph of AS interconnections
 - Examine these sorts of things for each problem, and consider each technology in it's own light, in terms of the requirements
-

Progress Suggestions

- Technical discussions should predominate
 - Take politics out of the equation
 - Focus on the data, rather than the data distribution process(es)
 - Concentrate on what works, what's possible, and what leads us into growth options, rather than what's "current"
 - Ethernet should be our model, not ATM! 😊
 - Don't ignore the long term in favor of immediate solutions
 - *Immediate solutions should be part of a long term plan, not just a solution in their own right*
 - *We're going to look dumb if we produce a bunch of "best common practices" that can only solve some of the problems, but no way to fix the problem "for real" in the long term!*
-