Strengthening Routing Security

Introducing Internet2 Routing Policy
for International RE Peers

Objectives

- Prevent propagation of leaked commercial routes.

- Preserve mutual backup transit arrangements.

- Enhance intentional and optimized best-path selection.

Stage Details

Stage 1: Prevent Route Leaks
- Snapshot and common prefix filter creation.
- Proactive filtering for all international RE peers.

Stage 2: Optimize Path Selection
- Peer-specific policies using IRR AS-sets.
- Customer-cone route prioritization.

Stage 3: Full AS-Set Filtering
- Complete shift to AS-set-based filtering.
- Simpler management, fewer errors.

Your Feedback Matters!

- Open invitation for community feedback.
- Input is essential for refining the policy.
- Share thoughts, concerns, and suggestions openly.

- Send comments to ssw@internet2.edu