

Autonomous System Information Service (ASIS)

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116

25 March 2023



Autonomous System Information Service (ASIS)

- Early stage research project;
- A self-hosted approach for sharing interoperability and policy information of a communication network.



Current systems

Examples:

- WHOIS/RDAP
- PeeringDB

Disadvantages:

- Public only; lack of access control
- Centralized
- Rate-limited



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Types of information to share:

- Technical contact information;
- Security contact information (“AS-wide security.txt”);
- Routing policies and BGP communities;
- Preferred peering locations and methods;
- Which data laws apply to the network;
- Information useful for path control and planning;
- Information about energy footprint of devices;
- *Any more ideas?*



Finishing up

Questions to you, the audience:

- Has something similar been proposed earlier at the IETF?
- Do you see any interesting use cases for the ASIS?
- Would you like to collaborate?

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