KIRA – Scalable Zero-Touch Routing

KIRA: Kademlia-directed ID-based Routing Architecture

- **Scalability**: 100,000s of nodes (in a single domain)
- **Zero-touch**: no configuration required
- **Goal**: provide highly resilient autonomous control plane connectivity
  - Running code provides zero-touch IPv6 connectivity
- **First Internet-Draft**: [https://datatracker.ietf.org/doc/draft-bless-rtgwg-kira/](https://datatracker.ietf.org/doc/draft-bless-rtgwg-kira/)
  - Want to standardize it
  - Many practical options → need broader IETF expertise
- **Scheduled presentations @IETF118**
  - RTGWG Tuesday Session I (Nov 7th), 09.30h
  - NMRG Friday (Nov 10th), 13.00h–15.00h
- **Side meeting/BarBOF Wednesday Nov 8th, 19.00–20.00h, Karlin 4**
  - KIRA use cases, Q&A, collaboration, next steps towards standardization

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More Info

https://s.kit.edu/KIRA