

Ad-hoc Networks IP Address Model

Autoconf Design Team

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- “Subnets” are essentially reduced to a single interface and address
- **No two interfaces appear in the same IP subnet to run a MANET routing protocol**
- Recommended solution: configured IP subnets should be /32 or /128

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- If these addresses are exposed outside the routing domain – e.g., for applications accessing the Internet, then the addresses may need to be globally unique
- Configured addresses should be unique at least within the routing domain.

Some Open Topics

(perhaps we can close them today?)

1. Configuration of additional addresses/ prefixes, if any, beyond those used to setup and operate the MANET routing protocols?
2. What is the “MANET Link Model”?
3. Can we use Link Local addresses?
4. Do the addresses have to be globally unique (related to #1)?