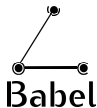# Homenet Babel Profile
draft-ietf-homenet-babel-profile-02

17 July 2017

Babel

Draft-ietf-homenet-babel-profile-02

Draft-ietf-homenet-babel-profile has two parts:

1. mandated parameters for Babel in Homenet
   e.g. use metric 96 for a GbE link;
   e.g. MUST IPv6, SHOULD IPv4.

2. interactions between HNCP and Babel
   e.g. if you announce an ext. IPv6 prefix over HNCP
   then you announce a source-specific default route
   over Babel.

Issues

This draft is almost ready, just two issues:

– refers to old version of source-specific routing
cf. Matthieu's talk;

– security requirements.

Original requirement

-02 said the following:

> REQ5: a Homenet implementation of Babel
> MUST implement HMAC-based authentication [...]
> and MUST enable and require authentication
> when instructed to do so by HNCP.

This requires defining a new sub-protocol in HNCP
which is out-of-scope for this document.

In Chicago, I asked for this requirement to be removed
and defer security to a different document.

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In Chicago, I asked for this requirement to be removed and defer security to a different document.

The chairs created a committee.

The committee didn't do any protocol work.

Changes in -03

- Removed REQ5;
- added Security Considerations:

```
The security of a Homenet network relies on
having a set of trusted "internal" links
that are secured at a lower layer
[...]
If untrusted links are used for transit,
which is NOT RECOMMENDED [...] then HNCP
and Babel MUST be secured using an
upper-layer security protocol
[...]
at the time of writing no protocol for
autonomous configuration of HNCP and Babel
security has been defined.
```

Last Call?

My proposal:
- update with the new reference to source-specific routing as soon as it is adopted by the Babel WG;
- review Security Considerations;
- Last Call.