OSPF Work

Fred Baker

OSPF MIB

- draft-ietf-ospf-mib-06.txt
- New changes
  - Authentication optional by interface
  - Supports Crypto Authentication
    - No objects for keys: expect separate MIB
  - Point to Multipoint Interfaces
  - Enable/Disable Demand OSPF or Demand Interfaces
  - Enable/Disable Hello Suppression
- Are we done having fun yet?

CIDR IP Forwarding Table

- draft-ietf-ospf-cidr-route-mib-05.txt
- New changes
  - corrected error in ipCidrRouteType
- Are we done having fun yet?

Cryptographic Authentication

- draft-ietf-ospf-md5-03.txt
- corrects issues raised at last IETF

Language Changes

Note that there are four "times" that are important with respect to a key:

+ The time the system starts accepting received packets signed with the key (KeyStartReceive).

+ The time the system starts signing packets with the key (KeyStartSign).

+ The time the system stops signing packets with the key, which is to say, the time it starts signing with the next key (KeyStopSign).

+ The time the system stops accepting received packets signed with the key (KeyStopReceive).

The times SHOULD be in the order listed, which is to say that none of these times occurs before the one mentioned before it. There needs to be some distance between starts and between stops in order to get a seamless transition. Each system sends with whichever key has the most recent "start" time, and makes its first attempt at validation of incoming traffic with the same key. **If this validation fails and another (older) key is also active, the system should attempt to validate with any other active keys it may possess.**

The $64,000 Question

- Are we done having fun yet?