

OSPFv4 LSA type 9

The OSPFv3's new LSA, the Intra-area Prefix LSA (type 9), handles intra-area network information that was previously included in OSPFv2 type 2 LSAs. It is used in order to advertise one or more IPv6 prefixes.

The prefixes are associated with router segment, stub network segment or transit network segment.

Intra-area prefix LSAs (type 9) & Inter-Area-Prefix-LSA (type 3) carry all IPv6 prefix information, which, in IPv4, is included in router LSAs and network LSAs.

Note: An address prefix is represented by three fields: prefix length, prefix options, and address prefix. In OSPFv3, addresses for these LSAs are expressed as prefix, prefix length instead of address, mask.