

IPv6: It's Not Your Dad's Internet Protocol

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Update

While DHCP failover is no longer nearly as useful for IPv6 addresses, there is a place we do need it: prefix delegation. The justification in IPv4 was avoiding address changes and pool preservation.

With delegated prefixes, changing the client prefix causes routing changes and reconvergence, which is usually user-visible. And the number of available subnets in a prefix pool is in the same order of magnitude as IPv4 addresses, not the billions and billions of addresses available in an IPv6 pool. Hence, we're back to needing to solve the same problems, with the same resulting solution: failover.