IPv6 Address Auto-configuration Timeline

Interface Addresses

Multicast

All Nodes: ff02::1

Solicited Node: ff02::1:fff6:bdbf

Unicast

2001:db8::5a55:caff:fef6:bdbf/64

fe80::5a55:caff:fef6:bdbf/64

Time

Auto-configuration Process

Make a Link-Local address

Duplicate Address Detection

Router Sollicitation

Router Advertisement

Make a Global Unicast address

Duplicate Address Detection