IPv6 Support on SBI Interface

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Feature Summary and Revision History

Summary Data

Table 1: Summary Data

Applicable Product(s) or Functional Area	AMF
Applicable Platform(s)	SMI
Feature Default Setting	Enabled - Always-on
Related Documentation	Not Applicable

Revision History

Table 2: Revision History

Revision Details	Release
First introduced.	2021.04.0

Feature Description

AMF supports IPv6 on the Service based interface (SBI).

The SBI endpoint can be configured with instance type as IPv6 or IPv4. The default type is IPv4.

Note SBI endpoint does not support the Dual instance type.

Feature Configuration

To configure this feature, use the following configuration:

```
config
   instance instance-id instance_id
      endpoint sbi
         replicas replicas_count
         loopbackPort port_number
         instancetype { IPv4 { vip-ip ipv4_address vip-port ipv4_port } |
IPv6 { vip-ipv6 ipv6_address vip-ipv6-port ipv6_port } }
         end
```

NOTES:

- **replicas** *replicas_count*—Specify the number of replicas.
- **loopbackPort** *port_number*—Specify the loopback port number.
- **vip-ip** *ipv4_address* **vip-port** *ipv4_port*—Specify the IPv4 address and port details.
- **vip-ipv6** *ipv6_address* **vip-ipv6-port** *ipv6_port*—Specify the IPv6 address and port details.
- **instancetype { IPv6 | IPv4 }**—Specify the SBI endpoint interface type and details of IPv4 or IPv6.

Configuration Example

The following is an example configuration for IPv4.

```
config
   instance instance-id 1
      endpoint sbi
         replicas 2
         loopbackPort 1000
         instancetype IPv4 vip-ip 209.165.200.224 vip-port 1001
         end
```

The following is an example configuration for IPv6.

```
config
   instance instance-id 1
      endpoint sbi
         replicas 2
         loopbackPort 1000
         instancetype IPv6 vip-ipv6 209:165:200:225::4 vip-ipv6-port 1001
         end
```