



# IPv6 Support on SBI Interface

- [Feature Summary and Revision History, on page 1](#)
- [Feature Description, on page 1](#)
- [Feature Configuration, on page 2](#)

## 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

```