



# CBS Service Configuration Mode Commands



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**Important** In Release 20 and later, HNBGW is not supported. Commands in this configuration mode must not be used in Release 20 and later. For more information, contact your Cisco account representative.

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The Cell Broadcasting Service (CBS) Configuration Mode is used to create and manage CBS service instances for the current context.

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## Command Modes

Exec > Global Configuration > Context Configuration > Cell Broadcasting Service Configuration

**configure** > **context** *context\_name* **cbs-service** *service\_name*

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-cbs-service)#
```

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## bind

This command binds the CBS service to the IP address of a logical interface.

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### Product

HNB-GW

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### Privilege

Security Administrator, Administrator

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### Command Modes

Exec > Global Configuration > Context Configuration > Cell Broadcasting Service Configuration

**configure** > **context** *context\_name* **cbs-service** *service\_name*

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-cbs-service)#
```

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**Syntax Description**

**bind address** *ip\_address* **port** *port\_number*  
**no bind address**

**no**

Removes a previously configured binding.

***ip\_address***

Specifies the IPv4 type IP address of CBS service. *ip\_address* must be expressed in IPv4 dotted-decimal notation.

**port**

Specifies the TCP port of the CBS service. *port\_number* is an integer between 1 and 65535. Standard port used for service area broadcast protocol (SABP) is 3452 in case no other port is configured. It is an optional parameter.

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**Usage Guidelines**

Use this command to associate or tie a CBS service to a specific logical IP address previously configured in the current context and bound to a port.

**Example**

The following command binds the CBS service to the interface with an IP address of *92.168.1.111* having port number 8888:

```
bind address 192.168.1.111 port 8888
```

## cbc-address-validation

This command is used for validation of Cell Broadcasting Centre IP address.

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**Product**

HNB-GW

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**Privilege**

Security Administrator, Administrator

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**Syntax Description**

[ **no** ] **cbc-address-validation**

**no**

Disables the validation of Cell Broadcasting Centre IP address.

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**Usage Guidelines**

Use this command to validate the Cell Broadcasting Centre IP address.

**Example**

The following command validates the Cell Broadcasting Centre IP address:

**cbc-address-validation**

## cbc-server

This command configures the CBC server for cell broadcasting service.

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### Product

HNB-GW

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### Privilege

Security Administrator, Administrator

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### Command Modes

Exec > Global Configuration > Context Configuration > Cell Broadcasting Service Configuration

**configure** > **context** *context\_name* **cbs-service** *service\_name*

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-cbs-service)#
```

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### Syntax Description

**cbc-server address** *ipv4\_address* [ **port** *port\_number* ] [ **secondary-address** *ipv4\_address* [ **port** *port\_number* ] ]  
**no cbc-server address**

#### **no**

Disables the previously configured CBC server.

#### **ip4\_address**

Specifies the IPv4 type IP address of CBC server. *ip\_address* must be expressed in IPv4 dotted-decimal notation.

#### **port**

Specifies the TCP port of the CBS service. *port\_number* is an integer between 1 and 65535. Standard port used for service area broadcast protocol (SABP) is 3452 in case no other port is configured. It is an optional parameter.

#### **secondary-address**

Specifies the address of other CBC server. *ipv4\_address* is an IPv4 address, using dotted-decimal notation

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### Usage Guidelines

Use this command to configure the CBC server.

#### **Example**

The following command configures a CBC server with an IP address of *92.168.1.112* having default port number 3452::

```
cbc-server 92.168.1.112
```

end

## end

Exits the current configuration mode and returns to the Exec mode.

<b>Product</b>	All
<b>Privilege</b>	Security Administrator, Administrator
<b>Syntax Description</b>	<b>end</b>
<b>Usage Guidelines</b>	Use this command to return to the Exec mode.

## exit

Exits the current mode and returns to the parent configuration mode.

<b>Product</b>	All
<b>Privilege</b>	Security Administrator, Administrator
<b>Syntax Description</b>	<b>exit</b>
<b>Usage Guidelines</b>	Use this command to return to the parent configuration mode.

## sabp timer

Configures the Service Area Broadcast Protocol (SABP) procedure timer value.

<b>Product</b>	HNB-GW
<b>Privilege</b>	Security Administrator, Administrator
<b>Command Modes</b>	Exec > Global Configuration > Context Configuration > Cell Broadcasting Service Configuration <b>configure</b> > <b>context</b> <i>context_name</i> <b>cbs-service</b> <i>service_name</i> Entering the above command sequence results in the following prompt: <i>[context_name]host_name(config-cbs-service)#</i>
<b>Syntax Description</b>	<b>[ default   no ] sabp timer</b> <i>timer_value</i>  <b>default</b> Restores the SABP timer value to the default: 10 seconds.  <b>no</b> Disables the previously configured SABP timer value.

**sabp timer**

Configures the SABP timer which is the wait time for receiving the SABP response from a peer. *timer\_value* is an integer value between 1 and 30.

**Usage Guidelines**

This command is used to set/restore the SABP timer value.

**Example**

The following command configures the SABP timer value to 25:

```
sabp timer 25
```

## sabp-class2-aggregation

This command configures the SABP class-2 aggregation timeout.

**Product**

HNB-GW

**Privilege**

Security Administrator, Administrator

**Syntax Description**

```
sabp-class2-aggregation timeout timeout_value
[ default | no ] sabp-class2-aggregation timeout
```

**default**

Restores the SABP class-2 aggregation timeout value to the default: 2 seconds.

**no**

Disables the previously configured SABP class-2 aggregation timeout value.

**sabp-class2-aggregation timeout**

Configures the SABP class-2 aggregation timeout value. *timeout\_value* is an integer value between 1 and 10.

**Usage Guidelines**

This command is used to configure the SABP class-2 aggregation timeout.

**Example**

The following command configures the SABP class-2 aggregation timeout value to 6:

```
sabp-class2-aggregation timeout 6
```

## tcp-keepalive

This command is TCP Keepalive timer. It is used to check liveness of Cell Broadcasting Centre. The CBS service must be restarted after setting new values.

<b>Product</b>	HNB-GW
<b>Privilege</b>	Security Administrator, Administrator
<b>Syntax Description</b>	<pre>tcp-keepalive idle-timeout <i>idle_timeout_value</i> max-retransmission-count <i>count</i> interval <i>value</i> [ default   no ] tcp-keepalive</pre> <p><b>default</b></p> <p>Restores the TCP Keepalive timer related values to default: idle-timeout(600 seconds), max-retransmission-count (3) and interval ( 30 seconds).</p> <p><b>no</b></p> <p>Disables the TCP Keepalive timer.</p> <p><b>tcp-keepalive idle-timeout</b></p> <p>This is the time in seconds to wait before checking the liveness of Cell Broadcasting Centre. <i>timeout_value</i> is an integer value between 60 and 7200.</p> <p><b>max-retransmission-count</b></p> <p>This is the number of attempts to check liveness of Cell Broadcasting Centre after idle time. <i>count</i> is an integer value between 2 and 10.</p> <p><b>interval</b></p> <p>This is the time in seconds between attempts to check liveness of Cell Broadcasting Centre after idle time. <i>value</i> is an integer value between 10 and 100.</p>

**Usage Guidelines** This command is used to check the liveness of Cell Broadcasting Centre.

### Example

The following command checks the liveness of Cell Broadcasting Centre with **tcp-keepalive idle-timeout** as 66 seconds, **max-retransmission-count** as 5 and **interval** as 15:

```
tcp-keepalive idle-timeout 66 max-retransmission-count 5 interval 15
```

## tcp-mode

This comand configures the mode of TCP connection.

<b>Product</b>	HNB-GW
<b>Privilege</b>	Security Administrator, Administrator
<b>Syntax Description</b>	<pre>tcp-mode { client-server   server-only }</pre>

**client-server**

This specifies that the HNBGW can act either as client or server.

**server-only**

This specifies that the HNBGW can act only as server.

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**Usage Guidelines**

This command is used to configure the mode of TCP connection.

**Example**

The following command configures the HNBGW as Client and Server.

```
tcp-mode client-server
```

tcp-mode