

# Service Node Group Configuration Mode Commands

To configure a WAAS Node (WNG) that is part of an AppNav Cluster, use the **service-insertion service-node-group** global configuration command. To unconfigure settings, use the **no** form of this command.

```
service-insertion service-node-group sngroupname { description description | service-node
ip-address [description description] }
```

```
no service-insertion service-node-group sngroupname { description description | service-node
ip-address [description description] }
```

Syntax Description		
	<i>sngroupname</i>	Specifies the name of a WNG to configure and enters service node group configuration mode to configure WNG settings. If the WNG does not exist, this command creates it.
	<b>description</b> <i>description</i>	(Optional) Specifies a description of the WNG with up to 200 alphanumeric and space characters.
	<b>service-node</b> <i>ip-address</i>	Specifies the IP address of a WN to be added to the WNG. The address must be the IP address of the interface on which the WN is to receive traffic from the ANCs.
	<b>description</b> <i>description</i>	(Optional) Specifies a description of the WN with up to 200 alphanumeric and space characters.

**Defaults** No default behavior or values.

**Command Modes** global configuration

**Device Modes** appnav-controller

**Usage Guidelines** Use the **service-insertion service-node-group** command to configure a WNG that is part of an AppNav Cluster. This command initiates the service node group configuration mode, which is indicated by a different prompt (config-sng). To return to global configuration mode, enter the **exit** command.

Each ANC in the AppNav Cluster must be configured with the settings for each WNG in the cluster by using the **service-insertion service-node-group** command.

A WNG can contain a maximum of 32 WNs, with a maximum of 32 WNs across all WNGs in the AppNav Cluster.

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**Examples**

The following example shows how to configure and enable two WNGs, each having two WNs, on a ANC:

```
ANC(config)# service-insertion service-node-group LondonNodeGroup
ANC(config-sng)# description London branch node group
ANC(config-sng)# service-node 10.10.10.15 description London branch node 1
ANC(config-sng)# service-node 10.10.10.16 description London branch node 2
ANC(config-sng)# exit
ANC(config)# service-insertion service-node-group ChicagoNodeGroup
ANC(config-sng)# description Chicago branch node group
ANC(config-sng)# service-node 10.10.11.25 description Chicago branch node 1
ANC(config-sng)# service-node 10.10.11.26 description Chicago branch node 2
```

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**Related Commands**

[\(config-sng\) description](#)  
[\(config-sng\) service-node](#)  
[\(config\) service-insertion](#)  
[show service-insertion](#)

## (config-sng) description

To configure the WNG description, use the **description** service node group configuration command. To unconfigure the description, use the **no** form of this command.

**description** *description*

**no description** *description*

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<b>Syntax Description</b>	<i>description</i>	Specifies a description of the WNG with up to 200 alphanumeric and space characters.
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<b>Defaults</b>	No default behavior or values.
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<b>Command Modes</b>	Service node group configuration
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<b>Device Modes</b>	appnav-controller
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<b>Examples</b>	The following example shows how to configure a WNG description:
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```
ANC (config) # service-insertion service-node-group LondonNodeGroup
ANC (config-sng) # description London branch node group
```

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<b>Related Commands</b>	<a href="#">(config-sng) service-node</a> <a href="#">(config) service-insertion</a> <a href="#">show service-insertion</a>
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## (config-sng) service-node

To configure the IP address and description of a WN to be added to the WNG, use the **service-node** service node group configuration command. To unconfigure the IP address or description, use the **no** form of this command.

**service-node** *ip-address* [**description** *description*]

**no service-node** *ip-address* [**description** *description*]

<b>Syntax Description</b>	<i>ip-address</i>	Specifies the IP address of a WN to be added to the WNG. The address must be the IP address of the interface on which the WN is to receive traffic from the ANCs.
<b>Syntax Description</b>	<b>description</b> <i>description</i>	(Optional) Specifies a description of the WN with up to 200 alphanumeric and space characters.

**Defaults** No default behavior or values.

**Command Modes** Service node group configuration

**Device Modes** appnav-controller

**Examples** The following example shows how to configure the IP addresses of two WNs in a group:

```
ANC(config)# service-insertion service-node-group LondonNodeGroup
ANC(config-sng)# service-node 10.10.10.15 description London branch node 1
ANC(config-sng)# service-node 10.10.10.16 description London branch node 2
```

**Related Commands** [\(config-sng\) description](#)  
[\(config\) service-insertion](#)  
[show service-insertion](#)