



# Connected Apps Configuration Mode Commands

The Connected Apps (CA) Configuration Mode is used to define CA client session parameters and High Availability (HA) settings for ASR 9000 VSMs supporting wsg-service virtual machines (VMs)



## Important

The StarOS commands described in this chapter are only supported for VPC running within a VM on the ASR 9000 VSM.

## Command Modes

Exec > Global Configuration > Connected Apps Configuration

**configure > connectedapps**

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-connectedapps)#
```

- [activate](#), on page 1
- [ca-certificate-name](#), on page 2
- [end](#), on page 3
- [exit](#), on page 3
- [ha-chassis-mode](#), on page 3
- [ha-network-mode](#), on page 4
- [rri-mode](#), on page 5
- [sess-ip-address](#), on page 6
- [sess-name](#), on page 6
- [sess-passwd](#), on page 7
- [sess-userid](#), on page 8

## activate

Initiates a ConnectedApps (CA) client session with the IOS-XR server on the ASR 9000.

## Product

SecGW (WSG)

## Privilege

Security Administrator, Administrator

## Command Modes

Exec > Global Configuration > Connected Apps Configuration

```
configure > connectedapps
```

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-connectedapps)#
```

---

**Syntax Description**

```
activate  
no activate
```

```
no
```

Disconnects an established CA session.

---

**Usage Guidelines**

Use this command to establish or disconnect a ConnectedApps (CA) client session with the IOS-XR server on the ASR 9000. CA client session parameters must have been previously entered for this command to work.

**Example**

The following command establishes a CA client session:

```
activate
```

## ca-certificate-name

Configures a ConnectedApps (CA) client session with the IOS-XR server using TLS (Transport Layer Security) and CA (Certification Authority) certificate. This is an IOS-XR 5.2.0 requirement.

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**Product**

SecGW (WSG)

---

**Privilege**

Security Administrator, Administrator

---

**Command Modes**

Exec > Global Configuration > Connected Apps Configuration

```
configure > connectedapps
```

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-connectedapps)#
```

---

**Syntax Description**

```
ca-certificate-name cert_name
```

```
cert_name
```

Specifies a CA certificate name as an alphanumeric string of 1 through 125 characters.

---

**Usage Guidelines**

Use this command to configure a ConnectedApps client session with the IOS-XR server using TLS (Transport Layer Security) and a specified CA certificate.

**Example**

The following command configures a ConnectedApps session using a CA certificate named *ux1345perm*:

```
ca-certificate-name ux1345perm
```

## 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. |

## ha-chassis-mode

Sets the High Availability (HA) mode for wsg-service virtual machines on VSMS in an ASR 9000.

|                           |  |
|---------------------------|--|
| <b>Product</b>            | SecGW (WSG)  |
| <b>Privilege</b>          | Security Administrator, Administrator  |
| <b>Command Modes</b>      | Exec > Global Configuration > Connected Apps Configuration<br><b>configure &gt; connectedapps</b><br>Entering the above command sequence results in the following prompt:<br><i>[context_name]host_name (config-connectedapps) #</i> |
| <b>Syntax Description</b> | <b>ha-chassis-mode { inter   intra   standalone }</b><br><b>no ha-chassis-mode</b><br><br><b>no</b><br>Disables the current HA chassis mode  |

**{ inter | intra | standalone }**

Specifies the type of chassis mode as:

- **inter** – HA is established between VSMs in two ASR 9000 chassis.
- **intra** – HA is established between VSMs in a single ASR 9000 chassis.
- **standalone** – This is a standalone card; HA cannot be enabled.

#### Usage Guidelines

Use this command to set or disable HA for VSMs within or across ASR 9000 chassis. To complete HA configuration you must also set its network mode.

#### Example

The following command sets HA mode between two ASR 9000 chassis:

```
ha-chassis-mode inter
```

## ha-network-mode

Sets the network mode for High Availability (HA) network configuration between VSMs in ASR 9000 chassis.

#### Product

SecGW (WSG)

#### Privilege

Security Administrator, Administrator

#### Command Modes

Exec > Global Configuration > Connected Apps Configuration

```
configure > connectedapps
```

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-connectedapps)#
```

#### Syntax Description

```
ha-network mode { L2 | L3 | NA }
no ha-network mode
```

**no**

Deletes the current setting for HA network mode.

**{ L2 | L3 | NA }**

Specifies the desired HA network mode as:

- **L2** – Layer 2
- **L3** – Layer 3
- **NA** – Not Applicable (standalone VSM)

#### Usage Guidelines

Use this command to set the network mode for the HA network configuration between VSMs in ASR 9000 chassis.

**Example**

The following command sets the HA network mode to Layer 2:

```
ha-network-mode L2
```

## rri-mode

Configures Reverse Route Injection (RRI) mode. (VPC-VSM only)

**Product**

SecGW

**Privilege**

Security Administrator, Administrator

**Command Modes**

Exec > Global Configuration > Connected Apps Configuration

```
configure > connectedapps
```

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-connectedapps)#
```

**Syntax Description**

```
rri-mode { both | none | ras | s2s }
no rri-mode
```

**no**

Disables the current RRI mode setting.

**both**

Support RAS and S2S modes.

**none**

Support neither RAS nor S2S mode.

**ras**

Support Remote Access Service mode only.

**s2s**

Support Site-to-Site mode only.

**Usage Guidelines**

Use this command to set the RRI mode.

**Example**

The following command sets the RRI mode to RAS.

```
rri-mode ras
```

## sess-ip-address

Sets the IP address for a Connected Apps (CA) session.

---

### Product

SecGW (WSG)

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### Privilege

Security Administrator, Administrator

---

### Command Modes

Exec > Global Configuration > Connected Apps Configuration

**configure > connectedapps**

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-connectedapps) #
```

---

### Syntax Description

**sess-ip-address** *ip\_address*  
**no sess-ip-address**

**no**

Deletes the current CA session IP address.

***ip\_address***

Specifies the IP address in IPv4 dotted-decimal or IPv6 colon-separated-hexadecimal notation.

---

### Usage Guidelines

Use this command to set the IP address for a Connected Apps (CA) session.

### Example

The following command sets an IPv4 address for a CA session.

```
sess-ip-address 10.10.1.1
```

## sess-name

Sets the name for a CA session.

---

### Product

SecGW (WSG)

---

### Privilege

Security Administrator, Administrator

---

### Command Modes

Exec > Global Configuration > Connected Apps Configuration

**configure > connectedapps**

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-connectedapps) #
```

---

**Syntax Description**    **sess-name** *session\_name*  
**no sess-name**

**no**

Deletes the current CA session name.

**session\_name**

Specifies the CA session name as an alphanumeric string of 1 through 125 characters.

---

**Usage Guidelines**    Use this command to set the name for a CA client session.

**Example**

The following command sets the CA session name to *vsm0-1*:

```
sess-name vsm0-1
```

## sess-passwd

Sets a password for a CA session.

---

**Product**    SecGW (WSG)

---

**Privilege**    Security Administrator, Administrator

---

**Command Modes**    Exec > Global Configuration > Connected Apps Configuration

```
configure > connectedapps
```

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-connectedapps)#
```

---

**Syntax Description**    **sesss-passwd** { **encrypted** | **password** } *password*  
**no sess-passwd**

**no**

Deletes the current CA session password.

**encrypted**

This keyword is only used by StarOS when you save the configuration file. StarOS displays the encrypted keyword in the configuration file as a flag indicating that the variable following the keyword is the encrypted version of the plain text password. Only the encrypted password is saved as part of the configuration file.

**password**

Specifies that the password will appear in plain text in the configuration file.

***password***

Specifies the password as an alphanumeric string of 1 through 63 characters that is case sensitive.

**Usage Guidelines**

Use this password to set a password for a CA session.

**Example**

The following command sets a plain text password for a CA session:

```
sess-passwd password admin012
```

## sess-userid

Defines a user identifier (username) for the CA session.

**Product**

SecGW (WSG)

**Privilege**

Security Administrator, Administrator

**Command Modes**

Exec > Global Configuration > Connected Apps Configuration

```
configure > connectedapps
```

Entering the above command sequence results in the following prompt:

```
[context_name]host_name(config-connectedapps) #
```

**Syntax Description**

```
sess-userid username
no sess-userid
```

**no**

Deletes the current user identifier for the CA session.

***username***

Specifies the user identifier for the CA session as an alphanumeric string of 1 through 64 characters.

**Usage Guidelines**

Use this command to define a user identifier (username) for the CA session.

**Example**

The following command sets the user identifier to *vsm-admin02*:

```
sess-userid vsm-admin02
```