



# Asynchronous Callback Commands

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This chapter describes the commands used to configure the Cisco IOS software to call back an asynchronous device that dials in and requests a callback from the router, then disconnects.

For configuration tasks and examples, refer to the chapter “Configuring Asynchronous Callback” in the *Dial Solutions Configuration Guide*.

## arap callback

To enable an ARA client to request a callback, use the **arap callback** global configuration command.

**arap callback**

### Syntax Description

This command has no arguments or keywords.

### Default

Callback requests are not accepted on lines configured for ARA.

### Command Mode

Global configuration

### Usage Guidelines

This command first appeared in Cisco IOS Release 11.1.

This command enables the router to accept callback requests from ARA clients. You first have to enable AppleTalk routing on the router and then enable automatic ARA startup on the line. You can use this command with either local username authentication or TACACS+ authentication.

### Example

The following example accepts a callback request from an ARA client:

```
arap callback
```

### Related Commands

You can use the master indexes or search online to find documentation of related commands.

**arap authentication**  
**autoselect ara**  
**callback forced-wait**  
**ppp authentication**  
**ppp callback**  
**service exec-callback**  
**username**

## callback forced-wait

To force the Cisco IOS software to wait before initiating a callback to a requesting client, use the **callback forced-wait** global configuration command.

**callback forced-wait**

### Syntax Description

This command has no arguments or keywords.

### Default

The forced waiting period is not set.

### Command Mode

Global configuration

### Usage Guidelines

This command first appeared in Cisco IOS Release 11.1.

Use this command when the router is calling back a modem that initiated a call, then dropped the connection, but requires a rest period before subsequent input is accepted.

### Example

The following example sets a waiting period during which a callback chat script is delayed from being sent on an outgoing target line:

```
callback-forced-wait
```

### Related Commands

You can use the master indexes or search online to find documentation of related commands.

**arap callback**  
**chat-script**  
**debug callback**  
**ppp callback**  
**service exec-callback**  
**username**

## ppp callback

To enable a PPP client to dial into an asynchronous interface and request a callback, use the **ppp callback** interface configuration command.

**ppp callback** {**accept** | **initiate**}

### Syntax Description

<b>accept</b>	Accept callback requests from RFC1570-compliant PPP clients on the interface.
<b>initiate</b>	Initiate a callback to non-RFC1570-compliant PPP clients dialing in to an asynchronous interface.

### Default

Callback requests are not accepted on asynchronous interfaces.

### Command Mode

Interface configuration

### Usage Guidelines

This command first appeared in Cisco IOS Release 11.0.

This command enables the Cisco IOS software to accept callback requests entering asynchronous interfaces configured for PPP callback. PPP callback can only be initiated if the interface is configured for authentication using CHAP or PAP.

### Examples

The following example accepts a callback request from an RFC-compliant PPP client:

```
ppp callback accept
```

The following example accepts a callback request from a non-RFC-compliant PPP client:

```
ppp callback initiate
```

### Related Commands

You can use the master indexes or search online to find documentation of related commands.

**arap callback**  
**autoselect ppp**  
**callback-forced-wait**  
**ppp authentication**  
**username**

## script arap-callback

To specify that a chat script start on a line any time an AppleTalk Remote Access (ARA) client requests a callback, use the **script arap-callback** line configuration command. Use the **no** form of this command to disable this feature.

```
script arap-callback regex  
no script arap-callback
```

### Syntax Description

*regex* Regular expression that specifies the set of modem scripts that might be executed. The first script name that matches the argument *regex* is used.

### Default

Not assigned to terminal lines

### Command Mode

Line configuration

### Usage Guidelines

This command first appeared in Cisco IOS Release 11.1.

This command specifies that if an originating ARA client requests callback, the device will be disconnected and the chat script defined by the argument *regex* will be executed to call back the client. The first available line specified for callback, and for which a chat script has been applied, will be used for the callback.

Create a chat script using the **chat script** command.

The **script arap-callback** command functions only on physical terminal (TTY) lines. It does not function on virtual terminal (VTY) lines.

### Example

The following example specifies that a chat script with a name that includes *usr4* will be activated whenever a client requests a callback on line 4:

```
line 4  
  script arap-callback usr4
```

### Related Commands

You can use the master indexes or search online to find documentation of related commands.

```
chat-script  
script activation  
script callback  
script connection  
script dialer
```

**script reset**  
**script startup**  
**start-chat**

## script callback

To specify that a chat script start on a line any time a client requests a callback, use the **script callback** line configuration command. Use the **no** form of this command to disable this feature.

```
script callback regexp  
no script callback
```

### Syntax Description

*regexp* Regular expression that specifies the set of modem scripts that might be executed. The first script name that matches the argument *regexp* is used.

### Default

Not assigned to terminal lines

### Command Mode

Line configuration

### Usage Guidelines

This command first appeared in Cisco IOS Release 11.1.

This command specifies that if an originating client requests callback, the device will be disconnected and the chat script defined by the argument *regexp* will be executed to call back the client. The first available line specified for callback, and for which a chat script has been applied, will be used for the callback.

Create a chat script using the **chat script** command.

The **script callback** command functions only on physical terminal (tty) lines. It does not function on virtual terminal (vty) lines.

### Example

The following example specifies that the chat script with a name that includes *supra4* will be activated whenever a client requests a callback on line 4:

```
line 4  
script callback supra4
```

### Related Commands

You can use the master indexes or search online to find documentation of related commands.

```
chat-script  
script activation  
script connection  
script dialer  
script reset  
script startup  
start-chat
```

## service exec-callback

To enable the Cisco IOS software to call back clients who request a callback from the EXEC level, use the **service exec-callback** global configuration command.

**service exec-callback**

### Syntax Description

This command has no arguments or keywords.

### Default

Callback is not enabled.

### Command Mode

Global configuration

### Usage Guidelines

This command first appeared in Cisco IOS Release 11.1.

This command enables the Cisco IOS software to return a call to a device that dials in, connects to the EXEC, and requests callback.

### Example

The following example enables EXEC level callback:

```
service exec-callback
```

### Related Commands

You can use the master indexes or search online to find documentation of related commands.

**arap callback**  
**callback forced-wait**  
**debug callback**  
**debug confmodem**  
**ppp callback**  
**username**