Private Line Automatic Ringdown

Private Line Automatic Ringdown Overview

The Private Line Automatic Ringdown (PLAR) feature configures a phone so that when the user goes off hook (or the NewCall softkey or line key gets pressed), the phone immediately dials a preconfigured number. The phone user cannot dial any other number from the phone line that gets configured for PLAR.

PLAR works with features such as Barge, cBarge, or single button Barge. If you use PLAR with a feature, you must configure the feature as described in the feature documentation, and you must configure the PLAR destination, which is a directory number that is used specifically for PLAR.

Private Line Automatic Ringdown Configuration Task Flow for SCCP Phones

Perform the following tasks to configure Private Line Automatic Ringdown (PLAR) on SCCP phones.

Procedure

	Command or Action	Purpose
Step 1	Create Partition, on page 2	Create a partition for the PLAR destination. The only directory number that you can assign to this partition is the PLAR destination.
Step 2	Assign Partitions to Calling Search Spaces, on page 2	Assign the partition to a unique CSS, and a CSS that includes the PLAR destination device.
Step 3	Assign Partition to the Private Line Automatic Ringdown Destination, on page 3	Assign the null partition and a CSS to your PLAR destination directory number.

	Command or Action	Purpose
Step 4	Configure Translation Pattern for Private Line Automatic Ringdown on Phones, on page 3	Create a null translation pattern and assign it to your PLAR destination directory number.

Create Partition

Create a new partition for the Private Line Automatic Ringdown (PLAR) destination. For the feature to work, only the null translation pattern that you configure for PLAR can be assigned to this partition.

Step 1 From Cisco Unified CM Administration, choose **Call Routing** > **Class of Control** > **Partition**.

Step 2 Click **Add New**.

Step 3 In the **Name** field, enter a partition name and a description separated by a comma.

Step 4 Click **Save**.

Assign Partitions to Calling Search Spaces

For Private Line Automatic Ringdown (PLAR) on SCCP phones, you must configure two calling search spaces (CSS):

- The first CSS should include the new partition for the null translation pattern as well as a partition that routes to the destination phone.

- The second CSS should include only the new partition for the null translation pattern.

Before you begin

Create Partition, on page 2

Step 1 From Cisco Unified CM Administration, choose **Call Control** > **Class of Control** > **Calling Search Space**.

Step 2 Click **Find** and select the calling search space for the PLAR destination device.

Step 3 Use the arrows to move both of the following partitions to the **Selected Partitions** list box: the new partition that you created for the null translation pattern and a partition that routes to the destination device.

Step 4 Click **Save**.

Step 5 Click **Add New**.

Step 6 Enter a name and description for the calling search space.

Step 7 Use the arrows to move the new partition to the **Selected Partitions** list box.

Step 8 Click **Save**.

Assign Partition to the Private Line Automatic Ringdown Destination

When configuring Private Line Automatic Ringdown (PLAR) on SCCP phones, assign a null partition to the directory number that you want to use as the PLAR destination.

Note   Each PLAR destination directory number must have its own unique partition. Do not add any other directory numbers to the null partition that you created for the PLAR destination.

Before you begin

Assign Partitions to Calling Search Spaces, on page 2

Step 1	In Cisco Unified CM Administration, choose **Call Routing** > **Directory Number**.
Step 2	Click **Find** and select the directory number that you want to use as the PLAR destination.
Step 3	In the **Route Partition** field, select a partition that you created for your PLAR destination.
Step 4	In the **Calling Search Space** drop-down list, select the CSS that includes both the null partition and the destination device.
Step 5	Click **Save**.

Configure Translation Pattern for Private Line Automatic Ringdown on Phones

To configure Private Line Automatic Ringdown (PLAR) on phones, configure a null translation pattern and assign the PLAR destination number to that translation pattern.

Before you begin

Assign Partition to the Private Line Automatic Ringdown Destination, on page 3

Step 1	In Cisco Unified CM Administration, choose **Call Routing** > **Translation Pattern**.
Step 2	Click **Add New** to create a new translation pattern.
Step 3	Leave the **Translation Pattern** field empty.
Step 4	From the **Partition** drop-down list, select the new partition that you created for the null translation pattern.
Step 5	From the **Calling Search Space** drop-down list, select a calling search space that includes both the new partition and the partition for the PLAR destination device.
Step 6	In the **Called Party Transformation Mask** field, enter the PLAR destination directory number.
Step 7	Click **Save**.

Private Line Automatic Ringdown Configuration Task Flow for SIP Phones

Perform these tasks to configure Private Line Automatic Ringdown (PLAR) on SIP Phones.

Procedure

	Command or Action	Purpose
Step 1	Create SIP Dial Rule for Private Line Automatic Ringdown, on page 4	Create a SIP dial rule for PLAR.
Step 2	Assign Private Line Automatic Ringdown Dial Rule to SIP Phone, on page 4	Assign the PLAR dial rule to the phone.

Create SIP Dial Rule for Private Line Automatic Ringdown

To configure Private Line Automatic Ringdown (PLAR) on SIP phones, you must configure a SIP dial rule for your PLAR destination number.

Before you begin

Create Partition, on page 2

Assign Partitions to Calling Search Spaces, on page 2

Assign Partition to the Private Line Automatic Ringdown Destination, on page 3

Configure Translation Pattern for Private Line Automatic Ringdown on Phones, on page 3

Step 1   In Cisco Unified CM Administration, choose **Call Routing** > **Class of Control** > **SIP Dial Rules**.

Step 2   Click **Add New**.

Step 3   From the **Dial Pattern** drop-down list, choose **7940_7960_OTHER**.

Step 4   Click **Next**.

Step 5   Enter a name and description for the dial rule.

Step 6   Click **Next**.

Step 7   In the **Pattern** field, enter a pattern that matches the PLAR destination number and click **Add PLAR**.

Step 8   Click **Save**.

Assign Private Line Automatic Ringdown Dial Rule to SIP Phone

You can configure Private Line Automatic Ringdown (PLAR) on SIP phones by assigning a PLAR-enabled SIP Dial Rule to the phone.

Before you begin

Step 1   In Cisco Unified CM Administration, choose **Device** > **Phone**.

Step 2   Click **Find** and select the phone on which you want to configure PLAR.

Step 3   From the **SIP Dial Rules** drop-down list, choose the dial rule that you created for PLAR.

Step 4   Click **Save**.

Private Line Automatic Ringdown Troubleshooting

Troubleshooting Private Line Automatic Ringdown on SCCP Phones

Symptom	Solution
The phone goes off hook and the user hears a fast busy (reorder) tone.	Make sure that the CSS that is assigned to the PLAR translation pattern contains the partition of the PLAR destination.
The phone goes off hook and receives dial tone.	Make sure that the CSS that is assigned to the phone contains the partition of the null PLAR translation pattern.

Troubleshooting Private Line Automatic Ringdown on SIP Phones

Symptom	Solution
The phone goes off hook and the user hears fast busy (reorder) tone.	Make sure that the CSS of the SIP phone can reach the PLAR destination.
The phone goes off hook and receives a dial tone.	Make sure that the SIP Dial Rule has been created and is assigned to the phone.