interface Serial0/0/0

ip address 8.0.0.1 255.255.255.0

clock rate 2000000

## Serial or Ethernet

Dial-peer voice **4** voip

Destination-pattern 5557…

Session target ipv4:8.0.0.2

Codec g711ulaw

## T1

## Configure a T1 Card

card type t1 0 2

isdn switch-type primary-ni

network-clock-participate wic 2

controller t1 0/2/0

framing esf

linecode b8zs

clock source internal

pri-group timeslots 1-8

no sh

### Configure a destination call pattern

Dial-peer voice **5** pots

Destination-pattern 555[4,5,6]…

Port 0/2/0:23

Forward-digits all

**show isdn status**

### Configure an inbound call pattern from a PBX

Dial-peer voice **6** pots

Incoming called-number 5555…

Direct-inward-dial

Port 0/2/0:23

### Configure a destination call pattern using a SIP profile

voice class sip-profiles 1

request INVITE sip-header From modify "<sip: 5294496937@1.1.1.1>" "<sip: 5294496937@gw1.sip.us>"

dial-peer voice **7** voip

description \*\*Outgoing calls to VOIP.MS SIP Trunk\*\*

translation-profile outgoing VOIP.MS-Outgoing

destination-pattern .T

session protocol sipv2

session target dns:gw1.sip.us

voice-class sip profiles 1

dtmf-relay rtp-nte

codec g711ulaw

no vad

authentication username 5294496937 password cisco realm gw1.sip.us

### Show and Debug commands

* sh dial-peer voice summary

Debug ISDN

* debug isdn q931
* debug isdn q921

DEBUG DIAL-PEER

* debug voice dialpeer all
* debug translation detail
* sh dialplan incall 0/2/0:23 number 5555999

### Test calls

csim start 5554123