

MeetingPlace Server PCI SNA Configuration

Document ID: 51547

Contents

Introduction

Prerequisites

- Requirements
- Components Used
- Conventions

Background Information

Cisco MeetingPlace Server and General PBX Requirements

- Cisco MeetingPlace Translation Table
- Deployment Options
- Continuous Service Mode and SNA
- Cisco MeetingPlace Port Group Settings

Fujitsu F9600 Configuration

Intecom Configuration

Lucent 5ESS Configuration

Lucent G3R Configuration

- T1 Station Layout Example
- Master Hunt Group Example
- Server 1 Hunt Group Example
- Server 2 Hunt Group Example
- DS1 Configuration Example

Nortel Option 81C Configuration

- Nortel 81C Requirements
- Nortel 81C Configuration Example

Rolm 9005 Configuration

- Rolm 9005 Requirements
- T1 Channels and COS Example
- Cisco MeetingPlace Translation Table for Rolm 9005

Verify

Troubleshoot

Related Information

Introduction

This document is intended to aid in the configuration for Cisco MeetingPlace Single Number Access (SNA). It covers the requirements for the Cisco MeetingPlace server and examples of various PBX settings.

Prerequisites

Requirements

Readers of this document should have knowledge of these materials:

- Cisco MeetingPlace Installation Planning Guide
- Customer Engineer Guide
- Cisco MeetingPlace System Manager's Guide

Components Used

The information in this document is based on the Cisco MeetingPlace Server version 4.1.3 or later (PCI only).

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Conventions

For more information on document conventions, refer to the Cisco Technical Tips Conventions.

Background Information

Cisco MeetingPlace SNA makes it possible for networked systems to transfer callers from one conference server to another using a flash transfer. If a participant in a meeting calls into a server on which the meeting is not located, the system initiates a flash transfer with the PBX or central office (CO) to transfer the call to the proper conference server. This capability also allows users accessing Cisco MeetingNotes to be transferred to the correct conference server if they call the wrong server. With use of a flash transfer, the system optimizes usage of telephony ports between Cisco MeetingPlace and the PBX.

When an incoming call lands on a conference server, the conference server first checks to see if the meeting is local. If the meeting is not local, it checks with the Network Server to determine to which server the call should be transferred. At that point, it flashes and signals a sequence of dual tone multifrequency (DTMF) tones for the transfer. The PBX then screen transfers the call to the new number. This means that the transferrer is still connected to the caller until it decides to hang up. A series of communications take place between the two conference servers. This communication allows the caller to attend the meeting and causes the original conference server to hang up. This transfer typically takes 6^{TM0} seconds, during which time the caller is asked to hold and hears on-hold music, if provided by the PBX during that time.

Cisco MeetingPlace Server and General PBX Requirements

Cisco MeetingPlace System Requirements

- All Cisco MeetingPlace servers must be version 4.1.3 or later (PCI only).
- T1s need to be configured as Extended Superframe (ESF)/binary 8-zero substitution (B8ZS) and loop-start.
- Cisco MeetingTime > Configure Tab > Telephony Access Must contain the full 10-digit number that is used to dial in to the server (one for each conference server).
- A flash must be allowed in the port group.
- Colocated servers are needed, because of delay time and latency issues.
- A translation table needs to be set up to outpulse only the pilot number of the target server after the flash is executed. For more information about the translation table settings, see the section Cisco MeetingPlace Translation Table. If the Rolm 9005 PBX is used, see the section Cisco MeetingPlace Translation Table for Rolm 9005.

General PBX Requirements

- Must be one of the models covered in this document.
- Must have a *unique telephone number* that is directed to a unique hunt group for each conference server.
- Must perform line-side T1 flash screen transfers.

- Must provide positive disconnect supervision.
- Must have enough DTMF receivers to support additional off-premises extensions (OPXs).
- All conference server T1s must be supplied by the same PBX system; they must be colocated because of delay time and latency issues.
- *T1 support only*; no E1 support at this time.

Note: These are general PBX requirements. For PBX-specific information, see the sections that follow.

Cisco MeetingPlace Translation Table

The translation table settings depend on the number of digits in the pilot number. If the pilot number is three digits, three dots need to be in the parentheses in the translation table. If the pilot number is four digits, four dots need to be in the parenthesis in the translation table, and so on. See the examples below.

Note: If the Rolm 9005 PBX is used, see the section Cisco MeetingPlace Translation Table for Rolm 9005.

Example 1: Pilot Number is Three Digits

The translation table needs this entry:

```
!&&\(&\) !\1 ANYGROUP Generic
```

Example 2: Pilot Number is Four Digits

The translation table needs this entry:

```
!&&\(&.\) !\1 ANYGROUP Generic
```

Example 3: Pilot Number is Five Digits

The translation table needs this entry:

```
!&&\(&..\) !\1 ANYGROUP Generic
```

Deployment Options

There are two ways to deploy Cisco MeetingPlace SNA:

- All incoming calls are routed to one conference server. That conference server communicates with the network server and transfers the call to the appropriate conference server.
- All conference servers take incoming calls in a round-robin fashion. The conference server that answers the call communicates with the network server and transfers the call to the appropriate conference server.

Continuous Service Mode and SNA

If the conference servers go into continuous service mode (that is, they lose their connection to the network server), SNA does not continue to work. The conference server has no way to determine on which conference server the meeting is scheduled without being able to communicate with the network server.

Cisco MeetingPlace Port Group Settings

In the Cisco MeetingPlace server, the ports need to be associated with a port group that allows the following:

```
Enter command: 4
Enter port group record number [0..31, <cr> for all] : 1
```

```
-----          GROUP 1          -----
Activate the group?           : y
Card type                     : T1
Signaling                     : loop start
Numr of DID digits           : 0
Human assistance?            : n
Flash transfer?              : y
Outdial?                     : y
```

Fujitsu F9600 Configuration

This section provides you with information to configure Cisco MeetingPlace SNA for use with a Fujitsu F9600 PBX.

Complete these steps:

1. Install the Fujitsu T1 OPS line card, model BDTKBA.
2. Configure the card as loop-start (line-side T1).
3. Configure Cisco MeetingPlace Server as loop-start in the port for the group the T1 is on.
4. Restart Cisco MeetingPlace.
5. Set up the 24 channels on that card such that each has its own extension.
6. Set up a pilot number for the 24 channels that uses them as a hunt group.

This causes the pilot number to cycle through the 24 channels when it is dialed.

7. Ensure that the pilot number is listed in the Hook Flash Originating Call list.
8. Lower the pad levels on the card by changing the three pad-level jumpers to middle.

Since the OPS card is set up for long-distance signaling, the pad levels are too high to signal properly to a locally located Cisco MeetingPlace conference server.

Intecom Configuration

This section provides you with information to configure Cisco MeetingPlace SNA for use with an Intecom PBX.

```
> ** TRUNK GROUP DEFINITION      06/27/00  11:08:19
> ***...TRUNK GROUP.....32
> ***...TRUNK GROUP TYPE.....UNIVERSAL
> TCI...TRUNK CLASS IDENTIFICATION.....LOCAL CO
> UGP...USER GROUP NUMBER.....21
> VTT...VOICE TRUNK TRANSFER ENABLED.....YES
> CDT...TRANSFER COLLECT DIGIT TABLE #.....1
> CNC...NATIONAL CALLING PARTY # CONTENTS..NONE
> DCP...DISPLAY CALLING PARTY NUMBER.....NO
> PND...PRIVATE NETWORK.....NO
> ITY...INTEMAIL TYPE.....INTEMAIL TYPE II
> IST...DOES InteMail SUPERVISE TRANSFERS?.YES
> MCT...METHOD TO CANCEL InteMail TRANSFER.FLASH + FEATURE CODE
> IML...InteMail USER ID LENGTH.....5
> IIN...INTEMAIL INTERFACE NUMBER.....NONE
> VNP...InteMail NUMBER FORMAT.....DIRN
> OAM...OAI ASSOCIATED MEMBER.....NO
> BTG...BROADCAST TRUNK GROUP.....NO
> TCM...TRAVELING CLASSMARK.....NO
> RETURN CONTINUES DISPLAY..... =>
> FTH...FAILURE THRESHOLD.....3
```

```

> RDT...RESEIZE DELAY TIME.....MSEC:700
> CHT...TRUNK MONITOR MINIMUM HOLD TIME....0
> DET...DISTANT END RELEASE TIME.....SEC:60
> DCT...DATA CALLS ALLOWED.....NO
> SWM...SEIZE WHEN MOS.....NO
> TCH...TRUNK CALL HANDLING.....EXTERNAL
> NDS...DISCONNECT SUPERVISION.....YES
> IGG...IGNORE GLARE.....NO
> GDT...GLARE DETECT TIME.....MSEC:100
> XFT...DISTANT IBX ALLOWS FEATURE TRANSP..NO
> DPT...DTMF PASSTHROUGH TIMING INDEX.....NONE
> CRO...CPN/ANI ROUTING.....NO
> .....TRUNK DIRECTION.....BOTH WAYS
> *** INCOMING PARAMETERS
> STY...INCOMING CALL ORIGINATION TYPE.....T1 OFF PREM....OPX (OFF PREMISE)
> TYP...INCOMING TRUNK TYPE.....DIALED
> ICM...INCOMING CALL MESSAGE #.....NONE
> DCC...ROUTING TYPE.....NORMAL ROUTING ONLY
> IDS...INCOMING DIGIT SEQUENCE.....DESTINATION NUMBER ONLY
> IRD...RESPONSE TO DESTINATION NUMBER....NONE
> IRC...RESPONSE TO CALLING PARTY NUMBER...NONE
> IIT...INCOMING INFO DIGIT TYPE/LENGTH...NONE
> RETURN CONTINUES DISPLAY..... =>
> BGP...ANNOUNCEMENT BROADCAST TRUNK GROUP.NONE
> APA...TRUNK GROUP AUTHORIZATION TYPE....NONE
> PVA...PRE-VALIDATE AUTHORIZATION CODE...NO
> RSC...RESET COUNT.....1
> LVL...PREDEFINED LEVEL CODE.....NONE
> TNE...TONE TABLE ENTRY NUMBER.....NONE
> MOD...INCOMING DIAL MODE.....DTMF
> RGF...DTMF RECEIVER GROUP.....252
> TOO...TIMEOUT TO ATTENDANT.....NO
> MCL...MULTIPLE CALLING ALLOWED.....NO
> RAC...REUSE AUTH FOR MULT. CALLS.....NO
> GAC...GROUP AUTH REQUIRED FOR TRUNKS....NO
> SAC...SYSTEM ACCESS CODE.....NONE
> CWR...CALLWAIT RINGBACK.....NO
> UCT...TRUNK UPDATE CDR ON TRANSFER.....ALL
> CPT...CALL PROGRESSING TONES:.....IBX PROVIDED
> RIO...RESPONSE TO INCOMING ORIGINATION..NONE
> IUG...InteMail LAMP MESSAGE USER GROUPS..OWN
> NUG...INTER-USER GROUP NNP USER GROUPS..OWN
> TCT...STATION CALL RESTRICTION ENABLED...NO
> 8NC...800 TO 4D SPEED NUMBER CONVERSION..NO
> *** OUTGOING PARAMETERS
> MSG...MODEM SIGNALLING.....YES
> RETURN CONTINUES DISPLAY..... =>
> TXA...DIRECT TGRP SELECT ALLOWED.....YES
> ATG...ANNOUNCEMENT TRUNK GROUP.....NO
> SLC...TRUNK SELECTION.....TOP DOWN
> ICA...INTER-LATA CARRIER.....101XXXX
> CPN...CALLING PARTY NUMBER.....DO NOT SEND
> DIAGNOSTIC PARAMETERS: Y or N.....N =>
> PORT ASSIGNMENT REPORT
> 5.3.05.01    5.3.05.02    5.3.05.03    5.3.05.04
> 5.3.05.05    5.3.05.06    5.3.05.07    5.3.05.08
> 5.3.05.09    5.3.05.10    5.3.05.11    5.3.05.12
> 5.3.05.13    5.3.05.14    5.3.05.15    5.3.05.16
> 5.3.05.17    5.3.05.18    5.3.05.19    5.3.05.20
> 5.3.05.21    5.3.05.22    5.3.05.23    5.3.05.24
>
> END OF DISPLAY
>
> SPECIFY GROUP NUMBER or - ..... => @
>
> SELECT COMMAND => pdt

```

```

> SELECT MODE: PRINT, DISPLAY, UPDATE, TITLES, SEARCH => d
> PREFIX DIGIT TABLE NUMBER or ?..... => 2
>
> EMPTY PDT - NO DIGITS SENT
>
> *** OFF-NET PREFIX DIGIT TABLE # 2 06/27/00 11:08:37
>
> 1) DESTINATION NUMBER:
> PLAN: UNKNOWN
> TYPE: UNKNOWN
> OUTPULSE NUMBER TYPE: UNKNOWN
> NUMBER: NO PREFIX DIGITS
>
> PREFIX DIGIT TABLE NUMBER or ?..... => @
>
> SELECT COMMAND => rout
> SELECT MODE: PRINT, DISPLAY, UPDATE, TITLES, SEARCH => d
> ROUTE GUIDE # or ?..... => 32
>
> Test Grp for Mike OG
>
> *** ROUTE GUIDE # 32 06/27/00 11:08:43
> 1 TRUNK GROUP 32 -- FRL: 0 -- PREFIX DIGIT STRING # 2
> 2 BUSYOUT

```

Lucent 5ESS Configuration

This section provides you with information to configure Cisco MeetingPlace SNA for use with a Lucent 5ESS CO.

View 5v1

(*)1. TGN	399	13. CARRIER ID	_____	25. BRCS	N
(*)2. TRUNK CHAR	_____	14. FEAT GRP	_	26. FREE ANS	N
(*)3. FEND CLLI	_____	15. INC TND WNK	N	27. PRIVACY	N
4. TRK CHAR	_____	16. ATTTN	0	28. INSEP	0
5. FAR CLLI	_____	17. TERA RCVY	NOA	29. MODULE	0
6. RMK	316826	18. IAPT	Y		
#7. TRK DIR	TWOWAY	19. CALLMON INH	Y	VERIFY ONLY	
#8. HUNT TYPE	2WF	20. INPLS	TT	GRP SIZ	25
9. SCR	601	21. OUTPLS	TT	ACT SIZ	24
10. GLARE ACTION	NONCTRL	22. FAR END NPA	214	SATELLITE	N
11. DAS	3	23. GL ANN TGN	0	TERM SFG	N
#12. TRK CLASS	PFLASH	24. PBX/CPE ID	0		

View 5v11

```

(*)1. TGN 399
(*)2. MEM 1
(*)3. OE _ _____ 6. FEATURE LIST (FEATLIST)

```

ROW	FEATURE	A	P	AC	ROW	FEATURE	A	P	AC	ROW	FEATURE	A	P	AC
1	0555	Y	_	N	8	_____	_	_	_	15	_____	_	_	_
2	/MWCTIA1	Y	_	N										

Lucent G3R Configuration

This section provides you with information to configure Cisco MeetingPlace SNA for use with a Lucent G3R PBX.

More Members Exist

Group Number: 110 HUNT GROUP
Voice Mail Number: Group Extension: 4444 Group Type: ddc
Administered Members (min/max): 1 /168
Total Administered Members: 168

GROUP MEMBER ASSIGNMENTS

Ext	Name	Ext	Name
27: 4827	LATITUDE PORT 26	40: 4840	LATITUDE PORT 39
28: 4828	LATITUDE PORT 27	41: 4841	LATITUDE PORT 40
29: 4829	LATITUDE PORT 28	42: 4842	LATITUDE PORT 41
30: 4830	LATITUDE PORT 29	43: 4843	LATITUDE PORT 42
31: 4831	LATITUDE PORT 30	44: 4844	LATITUDE PORT 43
32: 4832	LATITUDE PORT 31	45: 4845	LATITUDE PORT 44
33: 4833	LATITUDE PORT 32	46: 4846	LATITUDE PORT 45
34: 4834	LATITUDE PORT 33	47: 4847	LATITUDE PORT 46
35: 4835	LATITUDE PORT 34	48: 4848	LATITUDE PORT 47
36: 4836	LATITUDE PORT 35	49: 4849	LATITUDE PORT 48
37: 4837	LATITUDE PORT 36	50: 4850	LATITUDE PORT 49
38: 4838	LATITUDE PORT 37	51: 4851	LATITUDE PORT 50
39: 4839	LATITUDE PORT 38	52: 4852	LATITUDE PORT 51

More Members Exist

Group Number: 110 HUNT GROUP
Voice Mail Number: Group Extension: 4444 Group Type: ddc
Administered Members (min/max): 1 /168
Total Administered Members: 168

GROUP MEMBER ASSIGNMENTS

Ext	Name	Ext	Name
53: 4853	LATITUDE PORT 52	66: 4866	LATITUDE PORT 65
54: 4854	LATITUDE PORT 53	67: 4867	LATITUDE PORT 66
55: 4855	LATITUDE PORT 54	68: 4868	LATITUDE PORT 67
56: 4856	LATITUDE PORT 55	69: 4869	LATITUDE PORT 68
57: 4857	LATITUDE PORT 56	70: 4870	LATITUDE PORT 69
58: 4858	LATITUDE PORT 57	71: 4871	LATITUDE PORT 70
59: 4859	LATITUDE PORT 58	72: 4872	LATITUDE PORT 71
60: 4860	LATITUDE PORT 59	73: 4873	LATITUDE PORT 72
61: 4861	LATITUDE PORT 60	74: 4874	LATITUDE PORT 73
62: 4862	LATITUDE PORT 61	75: 4875	LATITUDE PORT 74
63: 4863	LATITUDE PORT 62	76: 4876	LATITUDE PORT 75
64: 4864	LATITUDE PORT 63	77: 4877	LATITUDE PORT 76
65: 4865	LATITUDE PORT 64	78: 4878	LATITUDE PORT 77

More Members Exist

Group Number: 110 HUNT GROUP
Voice Mail Number: Group Extension: 4444 Group Type: ddc
Administered Members (min/max): 1 /168
Total Administered Members: 168

GROUP MEMBER ASSIGNMENTS

Ext	Name	Ext	Name
79: 4879	LATITUDE PORT 78	92: 4892	LATITUDE PORT 91
80: 4880	LATITUDE PORT 79	93: 4893	LATITUDE PORT 92
81: 4881	LATITUDE PORT 80	94: 4894	LATITUDE PORT 93
82: 4882	LATITUDE PORT 81	95: 4895	LATITUDE PORT 94
83: 4883	LATITUDE PORT 82	96: 4896	LATITUDE PORT 95
84: 4884	LATITUDE PORT 83	97: 4897	LATITUDE PORT 96
85: 4885	LATITUDE PORT 84	98: 4898	LATITUDE PORT 97
86: 4886	LATITUDE PORT 85	99: 4899	LATITUDE PORT 98
87: 4887	LATITUDE PORT 86	100: 4900	LATITUDE PORT 99
88: 4888	LATITUDE PORT 87	101: 4901	LATITUDE PORT 100
89: 4889	LATITUDE PORT 88	102: 4902	LATITUDE PORT 101
90: 4890	LATITUDE PORT 89	103: 4903	LATITUDE PORT 102
91: 4891	LATITUDE PORT 90	104: 4904	LATITUDE PORT 103

More Members Exist

Group Number: 110
Voice Mail Number:

HUNT GROUP
Group Extension: 4444 Group Type: ddc
Administered Members (min/max): 1 /168
Total Administered Members: 168

GROUP MEMBER ASSIGNMENTS

Ext	Name	Ext	Name
105: 4905	LATITUDE PORT 104	118: 4918	LATITUDE PORT 117
106: 4906	LATITUDE PORT 105	119: 4919	LATITUDE PORT 118
107: 4907	LATITUDE PORT 106	120: 4920	LATITUDE PORT 119
108: 4908	LATITUDE PORT 107	121: 2301	LATITUDE PORT 120
109: 4909	LATITUDE PORT 108	122: 2302	LATITUDE PORT 121
110: 4910	LATITUDE PORT 109	123: 2303	LATITUDE PORT 122
111: 4911	LATITUDE PORT 110	124: 2304	LATITUDE PORT 123
112: 4912	LATITUDE PORT 111	125: 2305	LATITUDE PORT 124
113: 4913	LATITUDE PORT 112	126: 2306	LATITUDE PORT 125
114: 4914	LATITUDE PORT 113	127: 2307	LATITUDE PORT 126
115: 4915	LATITUDE PORT 114	128: 2308	LATITUDE PORT 127
116: 4916	LATITUDE PORT 115	129: 2309	LATITUDE PORT 128
117: 4917	LATITUDE PORT 116	130: 2310	LATITUDE PORT 129

More Members Exist

Group Number: 110
Voice Mail Number:

HUNT GROUP
Group Extension: 4444 Group Type: ddc
Administered Members (min/max): 1 /168
Total Administered Members: 168

GROUP MEMBER ASSIGNMENTS

Ext	Name	Ext	Name
131: 2311	LATITUDE PORT 130	144: 2324	LATITUDE PORT 143
132: 2312	LATITUDE PORT 131	145: 2325	LATITUDE PORT 144
133: 2313	LATITUDE PORT 132	146: 2326	LATITUDE PORT 145
134: 2314	LATITUDE PORT 133	147: 2327	LATITUDE PORT 146
135: 2315	LATITUDE PORT 134	148: 2328	LATITUDE PORT 147
136: 2316	LATITUDE PORT 135	149: 2329	LATITUDE PORT 148
137: 2317	LATITUDE PORT 136	150: 2330	LATITUDE PORT 149
138: 2318	LATITUDE PORT 137	151: 2331	LATITUDE PORT 150
139: 2319	LATITUDE PORT 138	152: 2332	LATITUDE PORT 151
140: 2320	LATITUDE PORT 139	153: 2333	LATITUDE PORT 152
141: 2321	LATITUDE PORT 140	154: 2334	LATITUDE PORT 153
142: 2322	LATITUDE PORT 141	155: 2335	LATITUDE PORT 154
143: 2323	LATITUDE PORT 142	156: 2336	LATITUDE PORT 155

More Members Exist

Group Number: 110
Voice Mail Number:

HUNT GROUP
Group Extension: 4444 Group Type: ddc
Administered Members (min/max): 1 /168
Total Administered Members: 168

GROUP MEMBER ASSIGNMENTS

Ext	Name	Ext	Name
157: 2337	LATITUDE PORT 156	170:	
158: 2338	LATITUDE PORT 157	171:	
159: 2339	LATITUDE PORT 158	172:	
160: 2340	LATITUDE PORT 159	173:	
161: 2341	LATITUDE PORT 160	174:	
162: 2342	LATITUDE PORT 161	175:	
163: 2343	LATITUDE PORT 162	176:	
164: 2344	LATITUDE PORT 163	177:	
165: 2345	LATITUDE PORT 164	178:	
166: 2346	LATITUDE PORT 165	179:	
167: 2347	LATITUDE PORT 166	180:	
168: 2348	LATITUDE PORT 167	181:	
169:		182:	

At End of Member List

Server 1 Hunt Group Example

HUNT GROUP

Group Number: 111 ACD? n
Group Name: LATITUDE SERVER 1 Queue? n
Group Extension: 4800 Vector? n
Group Type: ucd-mia Coverage Path:
TN: 1 Night Service Destination:
COR: 83 MM Early Answer? n
Security Code:
ISDN Caller Display:

HUNT GROUP

Message Center: none

LWC Reception: none

AUDIX Name:

Messaging Server Name:

HUNT GROUP

Group Number: 111 Group Extension: 4800 Group Type: ucd-mia
Voice Mail Number: Administered Members (min/max): 1 /120
Total Administered Members: 120

GROUP MEMBER ASSIGNMENTS

Ext	Name	Ext	Name
1: 4801	LATITUDE PORT 0	14: 4814	LATITUDE PORT 13
2: 4802	LATITUDE PORT 1	15: 4815	LATITUDE PORT 14
3: 4803	LATITUDE PORT 2	16: 4816	LATITUDE PORT 15
4: 4804	LATITUDE PORT 3	17: 4817	LATITUDE PORT 16
5: 4805	LATITUDE PORT 4	18: 4818	LATITUDE PORT 17
6: 4806	LATITUDE PORT 5	19: 4819	LATITUDE PORT 18
7: 4807	LATITUDE PORT 6	20: 4820	LATITUDE PORT 19
8: 4808	LATITUDE PORT 7	21: 4821	LATITUDE PORT 20
9: 4809	LATITUDE PORT 8	22: 4822	LATITUDE PORT 21
10: 4810	LATITUDE PORT 9	23: 4823	LATITUDE PORT 22
11: 4811	LATITUDE PORT 10	24: 4824	LATITUDE PORT 23
12: 4812	LATITUDE PORT 11	25: 4825	LATITUDE PORT 24
13: 4813	LATITUDE PORT 12	26: 4826	LATITUDE PORT 25

More Members Exist

HUNT GROUP

Group Number: 111 Group Extension: 4800 Group Type: ucd-mia
Voice Mail Number: Administered Members (min/max): 1 /120
Total Administered Members: 120

GROUP MEMBER ASSIGNMENTS

Ext	Name	Ext	Name
27: 4827	LATITUDE PORT 26	40: 4840	LATITUDE PORT 39
28: 4828	LATITUDE PORT 27	41: 4841	LATITUDE PORT 40
29: 4829	LATITUDE PORT 28	42: 4842	LATITUDE PORT 41
30: 4830	LATITUDE PORT 29	43: 4843	LATITUDE PORT 42
31: 4831	LATITUDE PORT 30	44: 4844	LATITUDE PORT 43
32: 4832	LATITUDE PORT 31	45: 4845	LATITUDE PORT 44
33: 4833	LATITUDE PORT 32	46: 4846	LATITUDE PORT 45
34: 4834	LATITUDE PORT 33	47: 4847	LATITUDE PORT 46
35: 4835	LATITUDE PORT 34	48: 4848	LATITUDE PORT 47
36: 4836	LATITUDE PORT 35	49: 4849	LATITUDE PORT 48
37: 4837	LATITUDE PORT 36	50: 4850	LATITUDE PORT 49
38: 4838	LATITUDE PORT 37	51: 4851	LATITUDE PORT 50

39: 4839 LATITUDE PORT 38

52: 4852 LATITUDE PORT 51

More Members Exist

HUNT GROUP

Group Number: 111
Voice Mail Number:

Group Extension: 4800 Group Type: ucd-mia
Administered Members (min/max): 1 /120
Total Administered Members: 120

GROUP MEMBER ASSIGNMENTS

Ext	Name
53: 4853	LATITUDE PORT 52
54: 4854	LATITUDE PORT 53
55: 4855	LATITUDE PORT 54
56: 4856	LATITUDE PORT 55
57: 4857	LATITUDE PORT 56
58: 4858	LATITUDE PORT 57
59: 4859	LATITUDE PORT 58
60: 4860	LATITUDE PORT 59
61: 4861	LATITUDE PORT 60
62: 4862	LATITUDE PORT 61
63: 4863	LATITUDE PORT 62
64: 4864	LATITUDE PORT 63
65: 4865	LATITUDE PORT 64

Ext	Name
66: 4866	LATITUDE PORT 65
67: 4867	LATITUDE PORT 66
68: 4868	LATITUDE PORT 67
69: 4869	LATITUDE PORT 68
70: 4870	LATITUDE PORT 69
71: 4871	LATITUDE PORT 70
72: 4872	LATITUDE PORT 71
73: 4873	LATITUDE PORT 72
74: 4874	LATITUDE PORT 73
75: 4875	LATITUDE PORT 74
76: 4876	LATITUDE PORT 75
77: 4877	LATITUDE PORT 76
78: 4878	LATITUDE PORT 77

More Members Exist

HUNT GROUP

Group Number: 111
Voice Mail Number:

Group Extension: 4800 Group Type: ucd-mia
Administered Members (min/max): 1 /120
Total Administered Members: 120

GROUP MEMBER ASSIGNMENTS

Ext	Name
79: 4879	LATITUDE PORT 78
80: 4880	LATITUDE PORT 79
81: 4881	LATITUDE PORT 80
82: 4882	LATITUDE PORT 81
83: 4883	LATITUDE PORT 82
84: 4884	LATITUDE PORT 83
85: 4885	LATITUDE PORT 84
86: 4886	LATITUDE PORT 85
87: 4887	LATITUDE PORT 86
88: 4888	LATITUDE PORT 87
89: 4889	LATITUDE PORT 88
90: 4890	LATITUDE PORT 89
91: 4891	LATITUDE PORT 90

Ext	Name
92: 4892	LATITUDE PORT 91
93: 4893	LATITUDE PORT 92
94: 4894	LATITUDE PORT 93
95: 4895	LATITUDE PORT 94
96: 4896	LATITUDE PORT 95
97: 4897	LATITUDE PORT 96
98: 4898	LATITUDE PORT 97
99: 4899	LATITUDE PORT 98
100: 4900	LATITUDE PORT 99
101: 4901	LATITUDE PORT 100
102: 4902	LATITUDE PORT 101
103: 4903	LATITUDE PORT 102
104: 4904	LATITUDE PORT 103

More Members Exist

HUNT GROUP

Group Number: 111
Voice Mail Number:

Group Extension: 4800 Group Type: ucd-mia
Administered Members (min/max): 1 /120
Total Administered Members: 120

GROUP MEMBER ASSIGNMENTS

Ext	Name
105: 4905	LATITUDE PORT 104
106: 4906	LATITUDE PORT 105
107: 4907	LATITUDE PORT 106
108: 4908	LATITUDE PORT 107
109: 4909	LATITUDE PORT 108
110: 4910	LATITUDE PORT 109
111: 4911	LATITUDE PORT 110
112: 4912	LATITUDE PORT 111
113: 4913	LATITUDE PORT 112
114: 4914	LATITUDE PORT 113
115: 4915	LATITUDE PORT 114
116: 4916	LATITUDE PORT 115

Ext	Name
118: 4918	LATITUDE PORT 117
119: 4919	LATITUDE PORT 118
120: 4920	LATITUDE PORT 119
121:	
122:	
123:	
124:	
125:	
126:	
127:	
128:	
129:	

39: 2339 LATITUDE PORT 158

52:

At End of Member List

HUNT GROUP
Group Number: 112 Group Extension: 2300 Group Type: ucd-mia
Voice Mail Number: Administered Members (min/max): 1 /48
Total Administered Members: 48

GROUP MEMBER ASSIGNMENTS

Ext	Name	Ext	Name
53:		66:	
54:		67:	
55:		68:	
56:		69:	
57:		70:	
58:		71:	
59:		72:	
60:		73:	
61:		74:	
62:		75:	
63:		76:	
64:		77:	
65:		78:	

At End of Member List

HUNT GROUP
Group Number: 112 Group Extension: 2300 Group Type: ucd-mia
Voice Mail Number: Administered Members (min/max): 1 /48
Total Administered Members: 48

GROUP MEMBER ASSIGNMENTS

Ext	Name	Ext	Name
79:		92:	
80:		93:	
81:		94:	
82:		95:	
83:		96:	
84:		97:	
85:		98:	
86:		99:	
87:		100:	
88:		101:	
89:		102:	
90:		103:	
91:		104:	

At End of Member List

HUNT GROUP
Group Number: 112 Group Extension: 2300 Group Type: ucd-mia
Voice Mail Number: Administered Members (min/max): 1 /48
Total Administered Members: 48

GROUP MEMBER ASSIGNMENTS

Ext	Name	Ext	Name
105:		118:	
106:		119:	
107:		120:	
108:		121:	
109:		122:	
110:		123:	
111:		124:	
112:		125:	
113:		126:	
114:		127:	
115:		128:	
116:		129:	

117:

130:

DS1 Configuration Example

STATION

Extension: 4801	Lock Messages? n	BCC: 0
Type: DS1FD	Security Code:	TN: 1
Port: 02E1801	Coverage Path 1:	COR: 82
Name: LATITUDE PORT 0	Coverage Path 2:	COS: 1
	Hunt-to Station:	Tests? n

STATION OPTIONS

Loss Group: 4
 Off Premises Station? y
 R Balance Network? n

STATION

FEATURE OPTIONS

LWC Reception: none
 LWC Activation? n
 CDR Privacy? n
 Redirect Notification? y
 Per Button Ring Control? n

 Switchhook Flash? y
 Ignore Rotary Digits? n
 H.320 Conversion? n

Coverage Msg Retrieval? y
 Auto Answer: none
 Data Restriction? n
 Call Waiting Indication? n
 Att. Call Waiting Indication? n
 Distinctive Audible Alert? y
 Adjunct Supervision? y

Per Station CPN - Send Calling Number?

Audible Message Waiting? n

AUDIX Name:
 Messaging Server Name:

Coverage After Forwarding? s

STATION

SITE DATA

Room:
 Jack:
 Cable:
 Floor:
 Building:

Headset? n
 Speaker? n
 Mounting: d
 Cord Length: 0
 Set Color:

ABBREVIATED DIALING

List1: List2: List3:

HOT LINE DESTINATION

Abbreviated Dialing List Number (From above 1, 2 or 3):
 Dial Code:

Line Appearance: call-appr

Nortel Option 81C Configuration

This section provides you with information to configure Cisco MeetingPlace SNA for use with a Nortel Option 81C PBX.

Nortel 81C Requirements

- The T1s need to be configured as ESF/B8ZS and loop-start.

You need to have enough DTMF registers to support additional OPX extensions.

- The T1s need to be set up as line-side T1s, with directory numbers (DNs) assigned on each channel.
- The pilot number of each server needs to hunt through all the DNs associated with the T1s connected to that particular server.
- Each server needs its own unique pilot number. (See Nortel 81C Configuration Example.)

Nortel 81C Configuration Example

When looking at the example below, keep in mind:

- The pilot numbers are 69901 for the first server T1s and 69902 for the second server T1s. The hunt group is limited to 30 members, so an automatic call distribution (ACD) DN needs to be used in the thirtieth member position to forward to the next hunt group used.
- Notice the control line setting (CLS) must have hunting allowed (HTA) and transfer allowed (XFA). Also, the FTR must be ISP 75. This sets the flash disconnect supervision for Nortel, and must be set on every channel or line.

ISP 75 means 75 units of 10 ms each, for a total disconnect time of 750 ms. This can be adjusted by entering the number of units needed to extend or shorten the disconnect supervision timer. (The time of 750 ms for Cisco MeetingPlace to hang up seems to be acceptable.)

1. Configuration of the first server (pilot 69901) looks like this:

```
REQ: PR
REQ PRT
TYPE: TN
TYPE TNB
TN 148 0 0 0
SPWD
DATE
PAGE
DES

DES WMDC
TN 148 0 00 00
TYPE 500
CDEN 4D
CUST 0
WRLS NO
DN 69901 0 MARP
CPND
    NAME LATITUDE UPGRADE TEST
    XPLN 26
    DISPLAY_FMT FIRST, LAST
AST NO
IAPG 0
HUNT 71700
TGAR 8
LDN NO
NCOS 7
SGRP 0
RNPG 0
XLST
SCI 0
SCPW
CLS UNR DTN FBD XFA WTA THFD FND HTA ONS
LPR XRD CWD SWD MWD LPD XHD CCSD LND TVD
CFTD SFD C6D CNID CLBD AUTU
ICDD CDMD EHTD MCTD
GPUD DPUD CFXD ARHD OVDD AGTD CLTD LDTD ASCD
MBXD CPFA CPTA DDGA NAMA
```

```
MCRD SHL ABDD CFHD
USRD BNRD OCBD RTDD FAXD PGND
PLEV 02
AACS NO
FTR OSP 0
FTR ISP 75
DATE 20 DEC 2000
```

2. Configuration of the second server (pilot 69902) looks like this:

```
NACT
REQ:
REQ PRT
TYPE:
TYPE TNB
TN 148 0 2 0
SPWD
DATE
PAGE
DES

DES WMDC
TN 148 0 02 00
TYPE 500
CDEN 4D
CUST 0
WRLS NO
DN 69902 0      MARP
CPND
    NAME LATITUDE UPGRADE TEST
    XPLN 26
    DISPLAY_FMT FIRST, LAST
AST NO
IAPG 0
HUNT 71724
TGAR 8
LDN NO
NCOS 7
SGRP 0
RNPG 0
XLST
SCI 0
SCPW
CLS UNR DTN FBD XFA WTA THFD FND HTA ONS
LPR XRD CWD SWD MWD LPD XHD CCSD LND TVD
CFTD SFD C6D CNID CLBD AUTU
ICDD CDMD EHTD MCTD
GPUD DPUD CFXD ARHD OVDD AGTD CLTD LDTD ASCD
MBXD CPFA CPTA DDGA NAMA
MCRD SHL ABDD CFHD
USRD BNRD OCBD RTDD FAXD PGND
PLEV 02
AACS NO
FTR OSP 0
FTR ISP 75
DATE 20 DEC 2000
```

Rolm 9005 Configuration

This section provides you with information to configure Cisco MeetingPlace SNA for use with a Rolm 9005 PBX.


```

-----
DS 7502    EXT 1
ACD NAME
-----
DS N TRUNK 2

                                FORWARD ON
                                BSY RNA DND
                                SYSTEM   FORWARDING
EXTN   TYPE COS TARGET 1 TARGET 2 TARGET 3 TARGET 4  I E   I E   I E   RINGDOWN
-----
DS 7503    EXT 1
ACD NAME
-----
DS N TRUNK 3

COMMAND: LI COS_N 1

FEATURES ASSIGNED TO COS 1

A A C C C C C D D D E I N N P S S S S T T V C W E
C P F F M O S C N T O N F O R A P S Y R T D A N P
B V E I P F F P D S V T L H V V D O C M T C D K L
-----
DS N N N N N N N N N N N N N Y N N N N N N Y N N Y N

```

A Hunt Group Needs to Be Created for Each Cisco MeetingPlace Server

All extensions that are associated with the T1 channels need to be put into the hunt group of that particular server. A different hunt group needs to be built for each server. Due to the configuration limitations of the PBX (which only allows 50 extensions to be members of a hunt group), a second hunt group of 50 members can be built and set up to have the first hunt group forward to the second hunt group. A hunt group pilot number cannot be a member of another hunt group. This makes forwarding necessary.

```

COMMAND: LI HD ALL

          PILOT   GROUP           GROUP           FWD/BUSY
          NO.     NO.     TYPE   COS   C   NUMBER     COMMENTS
-----
DS 7100    1             H     0   B   7200     ADD 50 PORTS TO CS1

          EXTN   EXTN   EXTN   EXTN   EXTN   EXTN   EXTN   EXTN   EXTN
          -----
DS       7501   7502   7503
          PILOT   GROUP GROUP           FWD/BUSY
          NO.     NO.   TYPE COS   C   NUMBER     COMMENTS
-----
DS 7200    2   H     0   N
          EXTN   EXTN   EXTN   EXTN   EXTN   EXTN   EXTN   EXTN   EXTN
          -----
DS       7504   7505   7506

```

If a Server Has More Than 96 Ports, ACD Becomes a Requirement

If there are more than 96 ports on any of the servers using SNA in the network, ACD becomes a requirement of the PBX software. Because you can only forward a hunt group to another hunt group one time, the maximum number of ports in that configuration is 100. On a 120-port server, there would be 20 ports without incoming access. These ports would only have out-dial capability. If you use ACD and set all the OPX extensions as ACD agents, the PBX software allows the hunt group configuration limitation of 100 to be exceeded. When you set up the ACD group so that the group is INITIALLY AVAILABLE, set it in this way:

```

COMMAND: LI ACD_G ALL

ACDGROUP   NODE           DELAYED   CONNECT   MSG SUPV   CALL   CALL WTG LEVELS
NAME       NO     PILOT     COS     T/R/N     TIME/REC# EXTN     WTG     ON FLASH WINK

```


Related Information

- **Voice Technology Support**
 - **Voice and IP Communications Product Support**
 - **Troubleshooting Cisco IP Telephony**
 - **Technical Support – Cisco Systems**
-

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Updated: Jan 31, 2006

Document ID: 51547
