Completing the Configuration Spreadsheet

Time Estimate: 30 – 60 minutes

Task 1: Complete Network Tab

NOTE	Cisco may release future versions of the configuration spreadsheet that have settings and details different from those listed below. The information in this lab is current as of the time it was created. The information below is intended to help you understand the choices we made and to guide any modifications you might wish to make.

Step 1   Open the .xls file that came with the lab files and have it available for further study and examination as you read this guide. We do not have screen shots of every setting in this guide as the .xls file by its nature is self-documenting.

Step 2   We use the tabs at the bottom of the spreadsheet to navigate through the different sections.

Network	Date and Time	PSTN Gateway	Dial Plan	Sites	Usage Profiles	Phones	Users
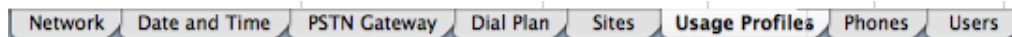
Step 3   The network configuration tab allows administrators to define the IP address/subnet and gateway settings for the BE 3000. The demo lab maintains the default settings for these parameters so that they are easy to remember.

	A	B
1		
2	System Hostname:	ISS-Demo
3		
4	IP Address:	192.168.1.250
5	DSP IP Address:	192.168.1.251
6	Subnet Mask:	255.255.255.0
7	Default Gateway:	192.168.1.1
8		
9	Enable DNS resolution	Disable
10	Primary DNS Server:	
11	Alternate DNS Server:	
12	Domain:	
13		

Step 4   If you want to integrate the BE 3000 into a larger demo network, you may change these settings to match your own needs.

Task 2: Complete Date and Time Tab

Step 1 The BE 3000 demo lab can use any appropriate combination of country and time zone, we choose a US/Eastern combination.

	A	B
1		
2	Country:	United States
3	Time Zone:	(GMT-05:00) America/New_York

Task 3: Complete PSTN Gateway Tab

Step 1   We do not assume that there is an active PSTN connection for the demo, so the PSTN settings have no impact on our demo functionality.

	A	B
2		
3	**PSTN Gateway**	
4	Host Name	ISS-Demo
5		
6	Obtain an IP address automatically	Disable
7		
8	IP Address	192.168.1.250
9	Subnet Mask	255.255.255.0
10	Default Gateway	192.168.1.1
11		
12	Enable DNS Resolution	Disable
13	Primary DNS Server	
14	Alternate DNS Server	
15		
16	**Port 0/0/0**	
17	Description	CTRLR T1/E1 0@ISS-Demo
18	Protocol Type	PRI 4ESS
19	PCM Type	μ-law
20	Line Coding	B8ZS
21	Framing	ESF
22	Clock	External
23	Echo Cancellation Enable	Enable
24	Echo Cancellation Coverage (ms)	24
25		
26	**Port 1**	
27	Configure CTRLR T1/E1 1	Disable
28	Description	CTRLR T1/E1 1@ISS-Demo
29	Protocol Type	PRI 4ESS
30	PCM Type	μ-law
31	Line Coding	B8ZS
32	Framing	ESF
33	Clock	Internal
34	Echo Cancellation Enable	Enable
35	Echo Cancellation Coverage (ms)	24
36		

Step 2   You can keep the default settings or change them to a combination you expect to use in the future.

Task 4: Complete Dial Plan Tab

Step 1   Our dial plan used numbers that are known to be reserved for demonstration use in the US (for example, in movies). You may use these numbers or choose values that are safe for your jurisdiction.

	A	B
1		
2	**Business Number**	
3	Main Number:	9585505100
4		
5	**Extensions**	
6	Extension Length:	4
7	Additional Allowed Extensions:	6000-6999
8	Voicemail and Auto Attendant Ext	5000
9		
10	**Dialing Prefixes**	
11	Operator Dial Code:	0
12	Outside Dial Code:	9
13	Feature Dial Code:	3
14		

Step 2   If you intend to connect to a production-level demo system, you would work with your telephone provider to choose the main number.

Task 5: Complete Sites Tab

Step 1 To keep the environment simple and to reduce the equipment required, the demo assumes only a central site and no teleworkers. We use all default settings, except for allowing International calls and setting the ELIN ID to 9585509999.

	A	B	C	D	E
1					
2	Support Offsite Phones for Teleworkers	Disable			
3					
4			Basic Site Information			C
5	Name:	Description:	Local Area Codes:	Time Zone:	Bandwidth Betwee
6	ISS-HQ	ISS Headquarters	958		T1(1.5 Mbits)
7				(GMT+05:30) Asia/Kolkata	T1(1.5 Mbits)
8				(GMT-12:00) Etc/GMT+12	T1(1.5 Mbits)

Step 2 You can change the settings for sites but will require additional equipment to properly demonstrate anything beyond central site functionality.

Task 6: Complete Usage Profile Tab

Step 1   Usage profiles are used extensively to demonstrate their power and to provide for a rich combination of features in the demo. Four custom profiles are created, the details of which are in the customization labs for both manual and automated setup. The demo lab also includes a summary of the profile settings.

Usage Profiles

Name	Description	Highest Level of Calls Allo	Emergency Calls	Call Barge	Call Park	Call Pickup	Reach Me Any	Extension Mo
Assistant	For assistants	Internal Calls	Enable	Enable	Enable	Enable	Enable	Enable
Common Area	For uses like common area phones	Internal Calls	Enable	Enable	Enable	Enable	Enable	Enable
Manager	For managers	Internal Calls	Enable	Enable	Enable	Enable	Enable	Enable
Power	For users like IT administrators, etc	Internal Calls	Enable	Enable	Enable	Enable	Enable	Enable
Standard	For regular employees	Internal Calls	Enable	Enable	Enable	Enable	Enable	Enable
ISS-4-MD	Mobility + Do Not Disturb	International Calls	Enable	Disable	Enable	Enable	Enable	Enable
ISS-4-MM	Mobility + Meet Me	International Calls	Enable	Disable	Enable	Enable	Enable	Enable
ISS-4-SD	Speed Dial	International Calls	Enable	Enable	Enable	Enable	Disable	Disable
ISS-1	Single Line	Long Distance Calls	Enable	Disable	Disable	Enable	Disable	Disable
		Internal Calls	Enable	Enable	Enable	Enable	Enable	Enable

Step 2   This is one of the few areas that we recommend extreme caution in making changes. The demo activities that we describe later are extremely sensitive to these settings and any changes can impact the behaviors the demo assumes.

Task 7: Complete Phones Tab

Step 1   The demo assumes that you have four available phones, at least two of which are 8941 or better for video calls. The phones were chosen to represent a broad range of price points and features. The MAC addresses and phone types used below MUST be modified to reflect the actual ones used by your phones.

	A	B	C	D	E
1					
2	**Phones**				
3					
4		MAC Address:	Description:	Phone Type:	Extension
5	1	SEP503DE57D9FDC	Customer Relations	Cisco 8941	5100
6	2	SEP64D989693654	Engineering	Cisco 3905	5200
7	3	SEP503DE5E941EA	Research	Cisco 6941	5300
8	4	SEP503DE57D5E55	Project Management	Cisco 8941	5400

Step 2   If you substitute phones, you would typically get an equal or better model while paying careful attention to ensure that you have the same or greater number of line buttons in your substitute phones. IP Communicator phones can be very useful for testing purposes if you cannot obtain hardware phones, but you will need a PC/laptop for each instance of the IP Communicator you want to run.

Task 8: Complete Users Tab

Step 1 The user tab must have as many entries as you have phones and each entry must be assigned a profile.

	A	B	C	D	E	F	G
1							
2	**User**						
3							
4		User ID:	Password:	First Name:	Last Name:	Usage Profile:	Line Numbers
5	1	LuP	be3000	Luciana	P	ISS-4-MD	5100
6	2	AnT	be3000	Anna	T	ISS-1	5200
7	3	SuR	be3000	Suresh	R	ISS-4-SD	5300
8	4	TaL	be3000	Tao	L	ISS-4-MM	5400

Step 2 The profiles were designed to work best with phones having at least as many line buttons as our recommended models. Substituting phones with fewer line buttons is problematic while substituting phones with more should not create problems.

Step 3 It is not prudent to add or remove tabs or change the order or wording of any of the system fields in the spreadsheet. For production systems, you should make a copy of the installation .xls file and keep it with all other documentation relevant to a customer's implementation.

Step 4 It would also be prudent to back up the customer's configuration once they sign off on your completed implementation so that you have a snapshot that could be quickly restored if needed.

Step 5 This completes the lab.