

Product: Ascom Communications Server, Remote Management Package

Purpose: Configuration Guide for ACS for remote management of Ascom systems

Date: January 16, 2008

Configuration Guide for Ascom Communications Server, Remote Management Package

Introduction

This document outlines the necessary steps and guidelines to configure the Ascom Communications Server, Remote Management package. This package allows system administrators remote access via a modem to Ascom systems without VPN provisions. This guide should be used in conjunction with the appropriate Ascom system configuration guide(s) and is intended for someone knowledgeable on the configuration of Ascom systems.

The steps, screen shots, and command line syntax depicted throughout this document are based upon Ascom Communications Server (ACS) software version 2.15 and Remote Management Client (RMC) version 1.10.

Product Summary and Network Topology

ACS for Remote Management Only (AWS1290) Package Contents

Product	Description
ACS, remote management only	UNITE network appliance with ACS software, licensed only for remote management functions.
External modem	Modem for data connectivity to Ascom systems over an analog phone line.
Power Supply	Power supply for UNITE network appliance hardware (12V, 4.5A).
DB25/RJ45 cable assembly	Cable and adapter assembly to connect modem with the ACS.

External equipment requirements

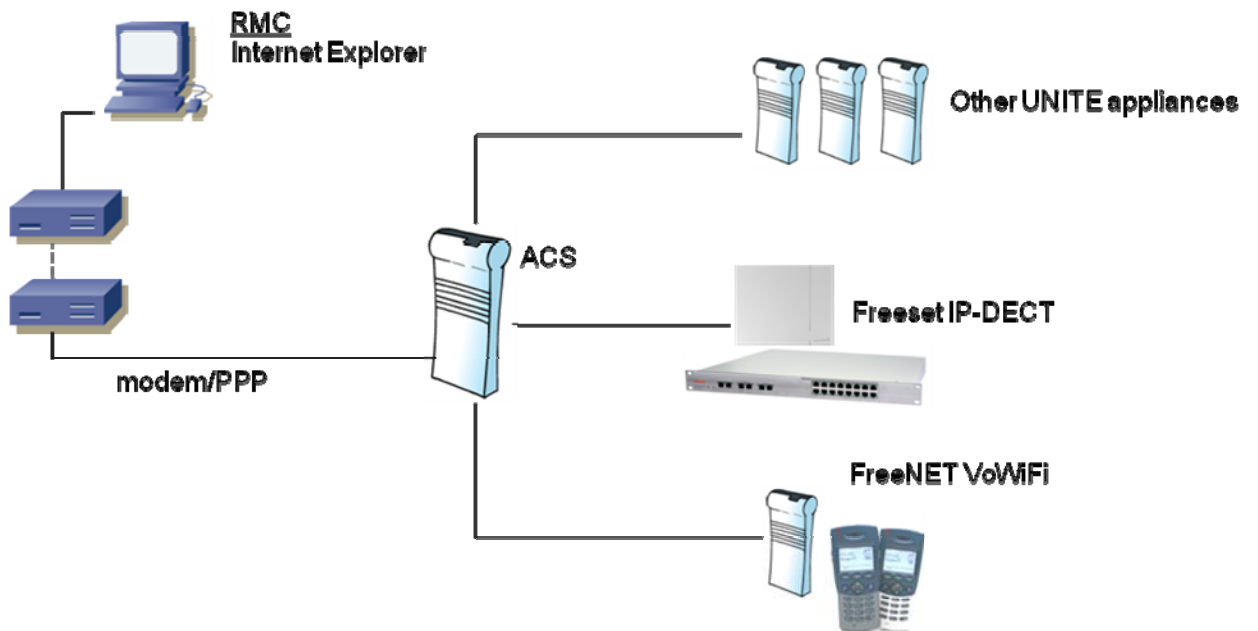
1. The external modem requires a single analog POTS line, supporting modem capabilities, that is able to receive phone calls from the PSTN.
2. The remote system administrator needs a PC with a modem to establish connection with the external modem attached to the ACS.

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Topology



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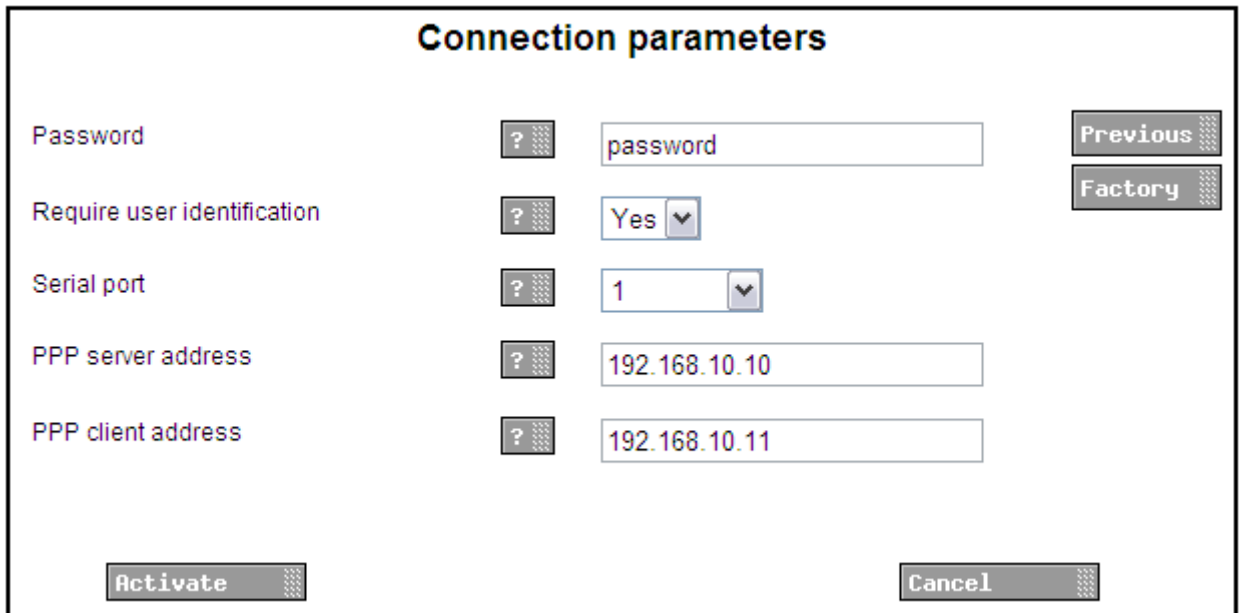
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Ascom Communications Server Configuration

The following steps outline the necessary configuration for the remote management service available on the ACS. The steps assume that the ACS is operational and accessible from a web browser.

1. Navigate to the ACS administration interface (<http://xxx.xxx.xxx.xxx/admin>) and click on Remote Management link.
2. Click on the Edit link for *Remote connection*.
3. Set the desired parameters and click Activate. Make sure that the selected serial port is the ACS serial port that is physically connected to the modem.



Connection parameters

Password	<input type="text" value="password"/>	<input type="button" value="Previous"/>
Require user identification	<input type="text" value="Yes"/>	<input type="button" value="Factory"/>
Serial port	<input type="text" value="1"/>	
PPP server address	<input type="text" value="192.168.10.10"/>	
PPP client address	<input type="text" value="192.168.10.11"/>	

4. If there are ports, other than port 80 (HTTP) that should be accessible to remote clients, then click on the Remote Management | Edit link for Open ports and add the necessary ports.

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Modem Configuration

The external modem included with Ascom Communications server, Remote Management Package shall be physically connected to one of the ACS network appliance's serial port using the included cable and DB25/RJ45 adapter.

The modem shall also be physically connected to an analog POTS line that is accessible from the PSTN.

The default modem settings (listed below) are suitable for this solution. Ensure that the modem is operational and online.

Default modem settings

Option	Selection	AT Cmd
Comm Standard	CCITT	B
CommandCharEcho	Enabled	E
Speaker Volume	Medium	L
Speaker Control	OnUntilCarrier	M
Handshake Speed	Fall Back	Ena N
Result Codes	Enabled	Q
Dialer Type	Tone	T/P
ResultCode Form	Text	V
ExtendResultCode	Enabled	X
DialTone Detect	Enabled	X
BusyTone Detect	Enabled	X
CDC Action	Standard RS232	&C
DTR Action	Standard RS232	&D
V22b Guard Tone	Disabled	&G
Flow Control	Hardware	&K
DSR Control	DSR High	&S
Break Control	\K5	\K
Error Control Mode	V42,MNP,Buffer	\N
Data Compression	V44 V42bis MNP5	%C
DTR Dialing	Off	\$D
Eleven Bit	Off	\$EB
Parity Bit	Even	#P
AutoAnswerRing#	1	S0
AT Escape Char	43	S2
CarriageReturn Char	13	S3
Linefeed Char	10	S4
Backspace Char	8	S5
Blind Dial Pause	3 sec	S6
NoAnswer Timeout	65 sec	S7

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```
"," Pause Time    2 sec      S8
Remote Config Char 37        S9
No Carrier Disc    2000 msec   S10
DTMF Dial Speed   100 msec    S11
Escape GuardTime  1000 msec   S12
Data Calling Tone  Enabled     S35
Line Rate         33600      S37
Callback Security Disabled   #CBS
Callback Delay    15 sec     #CBD
Callback Parity   None/Space #CBP
Callback Inactivity 20 min   #CBI
Callback Retries  4          #CBA
User Profile      Stored     &W
$SB Setting       57600 bps  $SB
Xon/Xoff Pacing   Pacing On  &E12/13
Leased HS Mode    PSTN HS    $LL
```

Stored Phone Numbers

&Z0=

&Z1=

&Z2=

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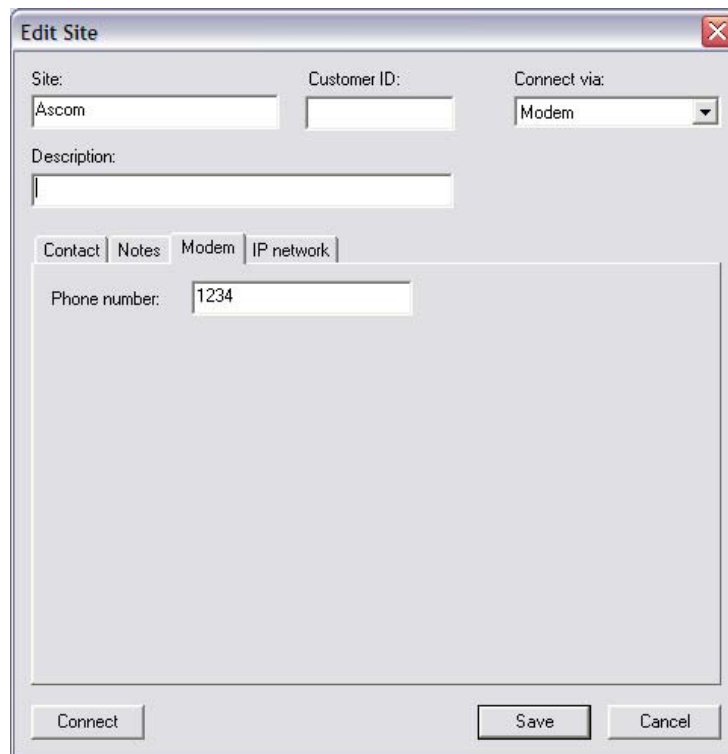
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Remote Management Client Configuration

The following steps outline the necessary configuration for the remote management client (RMC) application. The steps assume that the RMC is properly installed on a PC and operational.

1. With the RMC application open, click on File | Sites... and then the Add button.
2. Enter the name of the site and click OK.
3. Edit the site connection parameters, specifically setting the following:
 - a. *Connect via* – select “Modem”
 - b. *Phone number* (on Modem tab) – Value shall be the phone number assigned to the modem attached to the ACS.

When complete, press the Save button.



4. When ready to establish remote connection to particular site, select the desired site and press the Connect... button. When prompted, enter the desired information and make sure to select the correct modem.
5. When connection is established, the system administrator can open a web browser and access the web administration pages on any applicable Ascom system that has

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IP communication with the ACS (IP-DECT Gateway, VoIP Gateway, etc.) – just as if they were locally connected to those systems.

Firefox Users

If you are using Firefox to talk to an Analog Gateway be aware that the communications is very slow. It typically takes up to 2 minutes and 30 seconds for each screen to load.

You may also see a message that says:

A script on the page may be busy, or it may have stopped responding. You can stop the script now or you can continue to see if the script will complete.

Stop script

Continue

Select continue so that the script completes.

Related Documents

Installation Guide, ELISE2

TD 92232GB

Installation and Operation Manual, ESS

TD 92253GB

Installation and Operation Manual, Remote Management Client

TD 92256GB

Function Description, Remote Management

TD 92257GB

Additional Information

If you have any questions or need additional information, please contact Ascom Technical Assistance Center at 1-877-71-ASCOM, option 3.