ACTAtek Agent Manual

Version 1.27 July 27, 2005 Hectrix Limited



Revision History

Revision	Date	Description	Author
1	2005/07/27	Initial Release	Cheong
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			



ACTAtek Agent Manual

Copyright 2004, 2005 Hectrix Limited, All rights reserved.

No part of this document may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise without the prior written permission of Hectrix Limited.

ACTAtek is a registered trademark of Hectrix Limited

All trademarks, registered trademarks, and service marks are the property of their respective owners.

Offices:

Asia and the Rest of the World:

Unit 906-911, 9/F., Stanhope House,

734–738 King's Road,

Hong Kong.

Tel: (852) 2319 1333 Fax: (852) 2776 8997 Email: sales-row@hectrix.com

Americas:

Address: 18062 Irvine Blvd., Suite 101 Tustin, California 92780,

USA

Tel: (714)-573-0494 Fax: (714)-573-0479 E-mail: sales-US@hectrix.com

Europe:

Wolverhampton Science Park, Glaisher Drive, Wolverhampton. WV10 9RU. UK.

Tel: +44 (0)1902 712 155 Fax: +44 (0) 1902 712411 Email: sales-EU@hectrix.com



Table of Contents

Chapter 1.ACTAtek Agent	1
1.1.Introduction	1
1.1.1.System Requirements:	1
1.2.Installing the ACTAtek Agent	2
1.3.ODBC Installation	5
1.4.ACTAtek Agent Configurator:	8
1.4.1.Agent Info	8
1.4.2.To connect the Agent with an ODBC Database	9
1.4.3.ACTAteks (Attach Primary terminals only)	10
1.5.Starting the Agent	11
1.6.De-registering the Agent	14
1.7.Viewing the Database Logs	15
1.8.Connecting ACTAtek Agent with Oracle 10g Database	16
1.9.Connecting ACTAtek Agent with MySQL Server	19
1.10.Trouble Shooting	21
1.10.1.Network Troubleshooting	21
1.11.Messages and Actions:	25
1.11.1.General Messages	25
1.11.2.Database related messages:	28
1.12.Reporting Problems to Support:	29
1.12.1.Basic information	29
1.12.2.Customer information:	29
1.12.3.Software information:	30
1.12.4.You should also prepare information on following:	30



Chapter 1. ACTAtek Agent

1.1. Introduction

The Agent is primarily used to download the event log from the ACTAtek database in real time and without any hassle. It saves time and administrative efforts in backing up the data from the ACTAtek to a local computer.

The following documentation will give you a step by step illustration on how to install and operate the Agent. For any comments, or tech support, please write to support-@hectrix.com . All questions and comments are welcome.

1.1.1. System Requirements:

1. JAVA Run-time 1.4 or higher. To download the JAVA Run-Time, please visit:

http://java.sun.com/j2se/1.4.2/download.html OR

http://jdl.sun.com/webapps/download/AutoDL?BundleId=9992

- 2. ACTAtek Firmware 1.27.5 or higher.
- 3. The computer you are using should NOT BE behind any firewall.
- 4. Please make sure both the ACTAtek Agent and ACTAtek firmware versions are as updated and close together as possible.
- 5. ACTAtek Agent supports both JDBC and ODBC databases.



1.2. Installing the ACTAtek Agent

1. Download the file from the appropriate location, or if it came on a CD, place the CD in the CD-ROM and open the 'Setup.exe' file.



2. Click "Next"



ACTAtek

3. Click "Next"

ACTATERAGETT 1.27 5	
	Choose Components Choose which features of ACTAtekAgent 1.27 you want to install.
Check the components you install. Click Next to continu	want to install and uncheck the components you don't want to .e.
Select components to insta	II: ACTAtekAgent (required) Start Menu Shortcuts Create ODBC DataBase
Space required: 9.9MB	Description Position your mouse over a component to see its description.
	< <u>B</u> ack Next > Cancel

- 4. Please check the following:
 - Start Menu Shortcuts To add shortcuts in the Start Menu
 - Create ODBC Database Create an ODBC database in the current installing path

ACTAtekAgent	1.27 Setup
0	Choose Install Location
	Choose the folder in which to install ACTAtekAgent 1.27.
Setup will install A click Browse and s	CTAtekAgent 1.27 in the following folder. To install in a different folder, elect another folder. Click Install to start the installation.
Destination Fold	ler
C:\Program F	iles\Hectrix\ACTAtekAgent-1.27 Browse
Space required: 9	.9MB
Space available: 3	32,4GB
i;	< <u>B</u> ack Install Cancel



5. This is the default location that the Agent will be installed at. So, click Install to begin the installation.



- 6. Once the installation is complete, click "Finish" to exit the setup and start the Configurator and begin the "configuration"
- 7. Start --> Programs --> Hectrix --> ACTAtekAgent --> Configurator and begin the setting.



1.3. ODBC Installation

From the installer above, an ODBC database is installed in the current path. The database is named "actatek". But if you want to create another, you can follow the following steps

Taking Windows XP as an example on how to do this, please follow the below steps.

- 1. Start > Control Panel
- 2. Select 'Administrative Tools'



3. Under Administrative Tools, select 'Data Sources (ODBC)'.



4. Select the second tab from the top left, "System DSN".



5. Select 'Add...' and "Driver do Microsoft Access (*.mdb)", and 'Finish'





6. To setup an ODBC Microsoft Access file, assign a 'Data Source Name' to be "actatek" and input a description of the database.

Data Source <u>N</u> ame:	actatek	OK
<u>D</u> escription: Database	actatek	Cancel
Database:		<u>H</u> elp
<u>S</u> elect	<u>Create</u> <u>R</u> epair <u>Compact</u>	<u>A</u> dvanced
System Database		
C Database:		
	System Database	Options>>

7. Select 'Create...' and specify a valid file location, as shown below.

New Database		
Database N <u>a</u> me actatek.mdb actatek.mdb	Directories: c:\Vhectrix Cookies Co	OK Cancel <u>H</u> elp Eormat Version 4.x Version 3.x Version 2.x Options System Database Encryption
Locale	Dri <u>v</u> es:	
General		Network

8. Click "OK". Successful creation, will prompt this message:



ODBC M	ODBC Microsoft Access Setup				
(į)	Database C:\Documents and Settings\hectrix\actatek.mdb was succe:	ssfully created			
	(OK)				

9.

Once successfully created, please go to the following section. If there is an issue creating the ODBC file, please contact us at support@hectrix.com .

1.4. ACTAtek Agent Configurator:

Click Start --> Programs --> Hectrix --> ACTAtekAgent --> Configurator to begin the "configuration"

1.4.1. Agent Info

ACTAtek A	gent Configurator	
Agent Info D	atabase ACTAteks	
Agent IP	Auto Detected	(
Agent Port	1668	
Agent Magic	****	
Poll Interval	60	
	Save	Cancel

• If 'Auto Detected' is selected, the Agent will automatically try to detect the ACTAtek in your network.



- The default Agent Port is 1668
- The Agent Magic is the encryption code of Agent. Please limit the number of characters of the code since it does not need to be too long.
- need to be too long.
- Poll Interval should be set to > 60 seconds



1.4.2. To connect the Agent with an ODBC Database

ACTAtek Agent Configu	rator 🔲 🗖 🖸
Agent Info Database ACTAt	eks
Database Driver	Generic ODBC
Driver Class	sun.jdbc.odbc.JdbcOdbcDriver
JDBC URL	jdbc;odbc:actatek
Hostname	
Database Name	actatek
Database Username	
Database Password	
Connection Pool Size	5
Create Table SQL	CREATE TABLE ACTATEK_LOGS (userID VARCHAR(20) NOT NULL, timeentry DATETIME NOT NULL, eventID VARCHAR(20), terminalSN VARCHAR(20) NOT NULL)
Target Table Name	actatek_logs
Map Timestamp to Field	timeentry
Map UserID to Field	userid
Map Event to Field	eventid
Map TerminalSN to Field	terminalsn
Map Photo (JPEG Binary) to Fie	bld
Save	Cancel

- Database Driver: Generic ODBC
- Database Name: actatek (default, and set it in the above steps)
- Database Username and Password: We haven't set it. So, leave it blank
- Connection Pool Size: 5 (default)
- Create Table SQL: SQL command, 4 fields default
- Target Table Name, Map Timestamp to Field, Map UserID to Field, Map Event to Field, Map TerminalSN to Field, Map Photo (JPEG Binary) to Field: Please use the same names in the SQL command above



1.4.3. ACTAteks (Attach Primary terminals only)

ACTAtek Agent Configurator	
Agent Info Database ACTAteks	
ACTAtek IP Port Protocol Admin Password	
192,168,1,184 80 http A999 * INVIS	
Add ACTAtek	
Save Cancel	

- Right click on the blank space, you will see "Add ACTAtek" or "Delete ACTAtek"
- Please enter the corresponding "ACTAtek IP", "Port", "Protocol", "Admin" and "Password"
- Please be reminded that if you choose Port 80, you need to have http protocol. If you choose Port 443, you need to have https protocol
- Save it after all setting, the following screen will appear





1.5. Starting the Agent

1. Before you start the Agent, please go to the Server list of the ACTAtek Terminal using web browser. There should be nothing under the Server List.





2. Now, click Start --> Programs --> Hectrix --> ACTAtekAgent --> ACTAtekAgent 1.27 and begin the program. You will see the following screens.







3. Login in the ACTAtek to add a few sample event logs, as shown below:



Once the field "Status" under the Server list (Terminal List) shows "Connected", event logs are being captured by the Agent in real time.



1.6. De-registering the Agent

To de-register the unit, click Start --> Programs --> Hectrix --> ACTAtekAgent --> Deregister. You will see the following screens.



There is an alternative method to de-register the ACTAtek from the Agent, which is via the web interface. If you go to the Server List of the terminal that is connected to the Agent , check the item under "Server List", and Click "Delete" as shown in the De-register process above

🗿 ACTAtek - Hectrix Ltd N	Aicrosoft In	iternet Ex	qlorer						
Eile Edit View Favorites	Tools Help)							
🚱 Back 👻 🐑 - 💌	2 🟠	* Links	🥑 110 🔞 112 👸 1	81 👸 actatek 👸	Agent 👸 Bugzilla	🙆 Dict 🔀 🤇	Soogle 👸 Mail 👔	🛐 release 🛛 🙋	Server 💰 YH Mail 🂙
Address an http://192.168.1.184	1/admin.html						✓ Goo	gle -	✓ ※
ACTAtek The worldw	vide leader ir	Web bas	ed technologies.					HE	C TRI X [®] LTD.
Terminal Log Off Terminal Status 	Term	inal L	ist						
oser Aufministration Attendance Report Daily Report Yiew Event Log Add Event Log View User List Add New User Departments User Messages	Serve	Des Au	cription Type TAtek Primary	Serial No. 00111DFFFFFF	IP Address 192.168.1.184	Camera <u>Camera</u>	Door Unlock Door	Last Updat	ed To Secondary I
Access Control									
Access Groups									
 Iriggers Holidays Setting 		No.	IP Address	Status	Last Upd	lated Time	Activ	в	Profile
Terminal Settings		1	192.168.1.180	Connected	Wed Jun 22	12:36:12 200	5 •	No F	°rofile avaliable 💟
Terminal Setup Primary/Secondary Setup Terminal List Connection Profile Terminal Clock External Devices Backup System Data Restore System Data Firmware Upgrade Download Report Capture Fingeprint Network Camera Rebout	Submit	Delete	Add		Ce	opyright © 201	01-2004 by Hecb	rix Ltd.	
	<								>
(E)) Internet



1.7. Viewing the Database Logs

- 1. Using Log Viewer:
- Now, click Start --> Programs --> Hectrix --> ACTAtekAgent --> Viewer and begin the program. You will see the following screens.

Log Viewer			
Timestamp	TerminalSN	User ID	Event
2005-06-22 19:25:34 CST	00111DFFFFFF	1	OUT
2005-06-22 19:25:43 CST	00111DFFFFFF	1	OUT
2005-06-22 19:55:36 CST	00111DFFFFFF	1	OUT
2005-06-22 19:59:09 CST	00111DFFFFFF	1	OUT
2005-06-22 19:59:49 CST	00111DFFFFFF	1	OUT
2005-06-22 20:06:32 CST	00111DFFFFFF	1	OUT
2005-06-22 20:08:38 CST	00111DFFFFFF	1	OUT
2005-06-22 20:18:18 CST	00111DFFFFFF	1	OUT
2005-06-22 20:18:45 CST	00111DFFFFFF	1	OUT
2005-06-22 20:20:44 CST	00111DFFFFFF	1	OUT
2005-06-22 20:20:54 CST	00111DFFFFFF	1	OUT
2005-06-22 20:22:38 CST	00111DFFFFFF	1	OUT
2005-06-22 20:22:43 CST	00111DFFFFFF	1	OUT
2005-06-22 20:22:48 CST	00111DFFFFFF	1	OUT
2005-06-22 20:31:06 CST	00111DFFFFFF	1	OUT
2005-06-22 20:35:57 CST	00111DFFFFFF	1	OUT
2005-06-22 20:36:11 CST	00111DFFFFFF	1	F1
Max Rows to Display (-1 for ur	nlimited):		Update

- 2. Using MS Access:
- Double click to open the file of your database. Open the table "ACTATEK_LOGS" to view it's content



1.8. Connecting ACTAtek Agent with Oracle 10g Database

- 1. Since the database setting is different for each customer, it is highly recommended that you consult with your DBA for the database administration and setting.
- 2. You need to Copy Oracle's classes12.zip to the Agent's JDBC in Window's directory. Following are the steps:
- classes12.zip location: \${ORACLE_HOME}/jdbc/lib/classes12.zip
- copy the file C:\Program Files\Hectrix\ACTAtekAgent-1.27\jdbc
- 3. Preparation :
- Database Server and Firewall must set rule to allow ACTAtek Agent to access the Oracle database Port (default 1521)
- Database login userid must be granted necessary rights eg. Connection and Table access
- Default table name is actatek_logs and will use default tablespace.
- Table will be created, if it doesn't already exist. If the table exists, ACTAtek Agent will use the existing table.
- 4. From the configurator, select Database tab and enter the following:
- Database Driver: Oracle
- Hostname: x.x.x.x:port where x.x.x.x is Database Server IP address, port is Oracle Database port (e.g1521)

example: 192.168.1.51:1521

- Database Name: dddddddd where dddddddd is the location to enter database instance
 name
- Username: database login id
- Password: database login password
- Connection Pool Size 5 (default)
- Create Table SQL:

CREATE TABLE ACTATEK_LOGS (userID VARCHAR2(20) NOT NULL, timeentry DATE NOT NULL, eventID VARCHAR2(20), terminalSN VARCHAR2(20) NOT NULL, jpegphoto blob

• Target Table Name: actatek_logs



- Map Timestamp to Field: timeentry
- Map UserID to Field: userid
- Map Event to Field: eventID
- Map TerminalSN to Field:terminalsn
- Map Photo (JPEG Binary) to Field: jpegphoto

gent Info Database ACTAteks	5
Database Driver	Oracle
Driver Class	oracle.jdbc.OracleDriver
JDBC URL	jdbc;oracle:thin:@192.168.1.51:1521;actat
Hostname	192.168.1.51:1521
Database Name	actatek
Database Username	dba
Database Password	***
Connection Pool Size	5
Create Table SQL	CREATE TABLE ACTATEK_LOGS (userID VARCHAR2(20) NOT NULL, timeentry DATE NOT NULL, eventID VARCHAR2(20), terminalSN VARCHAR2(20) NOT NULL, jpegPhoto BLOB)
Target Table Name	actatek_logs
Map Timestamp to Field	timeentry
Map UserID to Field	userid
Map Event to Field	eventid
Map TerminalSN to Field	terminalsn
Map Photo (JPEG Binary) to Field	jpegphoto



- 5. View the table in ISQLplus
- ISQLplus allows for web browser access to database table. To do so, enter the following in your browser's address bar:
 http://x x x:port/isglplus/workspace.uix where x x x x is the server IP Address, the port is

http://x.x.x.x:port/isqlplus/workspace.uix where x.x.x.x is the server IP Address, the port is the iSQLplus port (default is 5560).

- For example, http://192.168.1.51:5560/isqlplus/workspace.uix
- Login:
- Username: enter database user login id
- Password : enter database user login password
- Connect Identifier: enter database instance name
- Sample SQL command:
- From workspace, enter sql command: select userid, TO_char(timeentry,'DD-Mm-YYYY HH24:MI:SS'), eventid, terminalsn from actatek_logs order by 2 desc click button <execute>
- 6. Viewing the table in SQL*Plus Windows GUI
- From Windows, select SQL*Plus
- Login:
- Username: enter database user login id
- Password : enter database user login password
- Connect Identifier: enter database instance name
- Sample SQL command:
- From command prompt SQL>, enter: select userid, TO_char(timeentry,'DD-Mm-YYYY HH24:MI:SS'), eventid, terminalsn from actatek_logs order by 2 desc;

press <enter>



1.9. Connecting ACTAtek Agent with MySQL Server

- 1. Since the database setting is different for each customer, it is highly recommended that you consult with your DBA for the database administration and setting.
- 2. In the ACTAtekAgent's JDBC directory, default will include a mysql jdbc driver.
- Please download the MySQL JDBC driver from:
 - http://www.mysql.com/products/connector/j/ and put the corresponding JAR file into: C:\Program Files\Hectrix\ACTAtekAgent-1.27\jdbc You should find mysql jdbc driver e.g.mysql-connector-java-3.0.14-productionbin
- 3. Preparation :
- Database login userid must be granted necessary rights eg. Connection and table access rights.
- Default table name is actatek_logs
- 4. From the configurator, select Database tab and enter the following:
- Database Driver: MySQL
- Hostname: x.x.x.x

where x.x.x.x is MySQL Database Server IP address

example: 192.168.1.51

- Database Name: dddddddd where dddddddd is the location for database name
- Username: database login id
- Password: database login password
- Connection Pool Size 5 (default)
- Create Table SQL:

```
CREATE TABLE ACTATEK_LOGS (
userID VARCHAR2(20) NOT NULL,
timeentry DATE NOT NULL,
eventID VARCHAR2(20),
terminalSN VARCHAR2(20) NOT NULL,
jpegphoto blob
```

- Target Table Name: actatek_logs
- Map Timestamp to Field timeentry

ACTAtek

HECTRIX LTD.

- Map UserID to Field userID
- Map Event to Field eventID
- Map TerminalSN to Field terminalSN
- Map Photo (JPEG Binary) to Field: jpegphoto

Agent Info Database ACTAteks	5
Database Driver	MySQL
Driver Class	com.mysql.jdbc.Driver
JDBC URL	[dbc:mysql://192.168.1.51/actatek
Hostname	192.168.1.51
Database Name	actatek
Database Username	root
Database Password	****
Connection Pool Size	5
Create Table SQL	CREATE TABLE actatek_logs (userID VARCHAR(20) NOT NULL, timeentry DATETIME NOT NULL, eventID VARCHAR(20), terminalSN VARCHAR(20) NOT NULL, jpegPhoto BLOB
Target Table Name	actatek_logs
Map Timestamp to Field	timeentry
Map UserID to Field	userid
Map Event to Field	eventid
Map TerminalSN to Field	terminalsn
Map Photo (JPEG Binary) to Field	jpegphoto

5. View table in Linux

example:

- login mysql administrator e.g. Root
- enter command: mysql -u root -p
- enter mysql administrator password.
- show databases;
- use actatek
- show tables;
- select userid, timeentry, eventid, terminalsn from actatek_logs



1.10. Trouble Shooting

1.10.1. Network Troubleshooting

Network basic command description:

Ping

Use the MS-DOS command prompt of the PC on which the ACTAtek Agent is installed to ping the target ACTAtek. For example, successful ping (command "ping x.x.x.x") will display the following messages:

Network reachable terminal

example:

Pinging x.x.x.x with 32 bytes of data:

- Reply from x.x.x.x: bytes=32 time=1ms TTL=225
- Ping statistics for x.x.x.x:
- Packets: Sent = 1, Received = 1, Lost = 0 (0% loss),
- Approximate round trip times in milli-seconds:
- Minimum = 0ms, Maximum = 1ms, Average = 0ms

Network unreachable terminal

example: Pinging x.x.x.x with 32 bytes of data: Request timed out Ping statistics for x.x.x.x: Packets: Sent = 1, Received = 0, Lost = 1 (100% loss)

Ipconfig

From MS-DOS command prompt of the PC on which the ACTAtek Agent is installed to run a ipconfig command to obtain the PC's network information.

Ethernet adapter Local Area Connection: Connection-specific DNS suffix : IP Address: x.x.x.x Subnet Mask: x.x.x.x Default Gateway: x.x.x.x



Telnet

Use the MS-DOS prompt of the PC on which the ACTAtek Agent is installed to telnet to the ACTAtek Terminal. The command would be : "telnet x.x.x.x = 80".

- The following messages will be displayed for successful or rejected attempts

Network reachable terminal:

- Showing blank screen
- press Ctl-C and "Enter", following screen will show

HTTP/1.1 400 Page not found Server: GoAhead-Webs Date: xxx mmm dd hh:mm:ss yyyy Pragma: no-cache Cache-Control: no-cache Content-Type: text/html

<html><head><title>Document Error: Page not found</title></head> <body><h2>Access Error: Page not found</h2> Bad request type</body></html>

Connection to host lost.

Network unreachable terminal:

Connecting to x.x.x.x ... Could not open connection to the host, on port 80: Connect failed

A connection attempt failed because the connected party did not properly repsond after a period of time, or established connection failed because connected host has failed to respond.



Network Troubleshooting cases

Always show "Disconnected" in the Server List of the Terminal List using

web browser

To check:

Start the ACTAtek Agent and use another computer in the SAME network to connect to the computer with the PC with the ACTAtek Agent installed. To do so, open MS-DOS command prompt, and type "telnet x.x.x.x 1668", where x.x.x.x is the IP Address of the PC with the AC-TAtek Agent installed and 1668 is the port of the ACTAtek Agent. If the connection is not successful, the firewall is enabled and must be disabled for the Agent to work.

Cause: Firewall enabled, blocking port access

Action:

• Set firewall to allow port 1668 access.

"FATAL: Server Thread died unexpectedly" in command prompt

Cause: A java process javaw was not cleanly started

Action:

- From ACTAtekAgent's PC press buttons "Alt + Ctrl + Delete" to enter Task Manager.
- Select Processes Tab
- Select javaws process and press <end process> button.
- Start ACTAtekAgent in debug mode to check for any error:

In dos prompt type: agent -d 3

Symptom Login Failed in command prompt.

Cause: Wrong login information

Action:

- Go under Server List from Terminal List option of the web interface of the ACTAtek in use. Delete ALL items under the server list.
- Go to the Configurator of the Agent --> Tab ACTAteks
- Right click your mouse to re-add the ACTAtek (... Make Sure ALL information is accurate!) then, click Save.
- Right click your mouse and add ACTAtek (x.x.x.x, 80, http, administrator id and password, MAKE SURE THE CONTENTS ARE CORRECT, then SAVE it
- In the tab "Database", change the "Create Table SQL" content to: *CREATE TABLE ACTATEK_LOGS (userID VARCHAR(20) NOT NULL, timeentry DATETIME NOT NULL,*



eventID VARCHAR(20), terminalSN VARCHAR(20) NOT NULL)

- Also, delete the content in the "Map Photo (JPEG Binary) to Field" field.
- Go to the command prompt (Start --> Run --> cmd), change the current path to the Agent's path (example C:\ProgramFiles\Hectrix\ACTAtekAgent-1.27>)
- Type "agent.exe -d 3" to restart the agent in "Debug mode"
- At the Terminal login, enter a valid userid, check the event log from the web interface to see if there are any logs for import. (with UserID, timestamp, trigger and terminalSN show in the command prompt)

"Connection timeout" in command prompt

Can you ping the Terminal from ACTAtekAgent's PC? If NOT.

• Verify the Terminal's and the Agent's Configurator's IP Address, protocol, port number are the same.

For example http default to port 80 and https default to port 443.

- Ensure that the Terminal is powered on
- Ensure that the IP Address is UNIQUE.
- Check Network cable is connected and the network adapter green light is flashing.



1.11. Messages and Actions:

The following are some of the common messages you might receive from the ACTAtek Agent, possible causes and recommended actions are provided for your reference. For messages not listed, please contact us at support@hectrix.com for assistance.

1.11.1. General Messages

No Trusted Certificate found

Cause:

• Configurator setting of https was set with incorrect ID/Password

Action:

• Set correct terminal id/password

Registering Primary terminal login only

Cause:

• Trying to register a secondary terminal in the Agent Configurator.

Action:

- Set Target terminal as a standalone primary unit.
- From the configurator, remove the secondary terminal and re-add the primary terminal, if any.

login failed

Cause (1):

ACTAtek terminal not exist

Action:

• Ensure the terminal is powered on and the ACTAtek Agent is reachable through the network to the ACTAtek Terminal. Use the PING command to confirm.

Cause (2):

• Wrong id/password

Action:

• Ensure correct terminal administrator id/password



parse time error, wrong magic

Cause:

• Wrong Magic number in the server list

Action:

• Ensure server list's magic number setting is the same as Agent's magic number.

x.x.x.x specified agent not registered

Cause:

• The terminal's server list does not have the correct Agent setting.

Action:

- Verify the terminal server list and the agent settings are the same. (2 bullet points should be just one).
- Agent eg. Port, IP, magic number.
- Verify the terminal server list status is "connected".
- Verify the Agent Configurator has the appropriate terminal entry.
- Restart the Agent to register the terminals from the Agent's Configurator list.

connection time out

Cause:

- Terminal not accessible. For example
- Terminal is in rebooting state
- Terminal network is unreachable
- More than one terminal with same IP address.

Action:

- Reboot the terminal and ensure the reboot is complete and the terminal is able to authenticate users.
- Ensure all terminals have unique IP address.
- Ensure all terminals have correct network setting:
- verify terminal setting eg IP, id, password, port
- reset Agent's PC mac table. Use ms dos command to clear the IP to Mac table: tarp -d



connection refused

Cause:

• Configurator terminal port entry is different from terminal port

Action:

- Ensure configuration's terminal port entry and terminal port are the same
- Ensure port is accessible for example: ensure port 443 is used by https:// only

read timed out

Cause:

• Terminal IP address was modified without updating configurator

Action:

• Ensure configurator's terminal IP entry is the same as terminal IP



1.11.2. Database related messages:

Start Agent failed:

ERROR: Create Table IO exception:

the network adapter could not establish the connection

Cause:

• Database server or Database not available

Action:

• Ensure database is running and accessible to ACTAtekAgent

Create Table: Invalid authorization specification

Symptom:

• message from server: "Access denied for user: 'root@hectrix' (Using password: YES)"

Cause:

• Message from Mysql database. Wrong Database Username/Password

Action:

• Re-enter Database Username/Password (case sensitive)

Error: LOG ERROR: Column not found

Symptom:

• message from server: "Unknown column ' JpegPhoto' in field list"

Cause:

• Map field does not have corresponding map to table column

Action:

• Ensure the table's and map field columns are the same.



1.12. Reporting Problems to Support:

Before reporting any problems, please have the following information handy.

1.12.1. Basic information

- 1. Brief description of symptoms and steps done and any error messages
- Captured the message screen. To do so, press the <Alt> and <PrintScreen> buttons on your keyboard while at the command prompt or agent where the problem is and message is displayed.
 - From Windows menu select All Programs -> Accessories -> Wordpad.
 - Go to Start -> All Programs -> Accessories --> Wordpad
 - Once in wordpad, hit <Ctrl><v>
 - Save the file and email the attachment to support@hectrix.com
- 3. From the web interface, save THE ACTAtek Terminal status and setup pages OR from the ACTAtek Terminal copy down the terminal information, such as, model number, serial number, firmware version, etc.
- 4. Prepare the following files about the ACTAtekAgent
 - ActatekAgent configuration file: agent.properties
 - location: C:\Documents and Settings\user1\
 - ActatekAgent log file: agent.txt and agent.log.1
 - location: C:\Program Files\Hectrix\ACTAtekAgent
- 5. ACTAtek Server List status:
- 6. From the web interface, Terminal List/Server List, copy the Agent entry ie. agent IP, status, date, time

1.12.2. Customer information:

- 1. Your HECTRIX Customer Support Warranty number
- 2. Your company name and address
- 3. Name, telephone number and email of contact person

ACTAtek

1.12.3. Software information:

- 1. Operating system version
- 2. ACTAtekAgent Version
- 3. Java Runtime version (From ms-dos enter command: java -version)
- 4. ACTAtek Terminal information
 - Model Number
 - Serial Number
 - Firmware version
 - FAM version

1.12.4. You should also prepare information on following:

- 1. Is this a recurring problem or one time problem?
- 2. Please provide the steps that lead to the failure or error?
- 3. Is there any non-ACTAtek equipment in use with ACTAtek Terminal?
- 4. Did you perform a Terminal reboot, ACTAtekAgent restart?
- 5. Have you made any recent changes to the ACTAtek Terminal and ACTAtekAgent setting?