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ACTAtek Access Manager Suite Installation Manual

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Revision History

Revision	Date	Description	Author
1.0	2010/12/30	Initial Release	Justin



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Offices:

Asia and the Rest of the World:

Unit 901-2, 9/F, Fo Tan Industrial Centre, 26-28 Au Pui Wan Street, Fotan, Shatin, Hong Kong. Phone: (852) 2319 1333 Fax: (852) 2776 8997 Email: <u>sales-row@actatek.com</u>

Americas (North & South America):

Suite 230, 10691 Shellbridge Way, Richmond, BC, V6X 2W8, Canada Phone: (604) 278 8888 Fax: (604) 278 6082 Email: <u>sales-ca@actatek.com</u>

Europe, Middle East, Africa:

351 Pershore Road, Edgbaston, Birmingham. B5 7RY. U.K. Phone: (44) 121 472 3991 Fax: (44) 121 472 3990 Email: <u>sales-EU@actatek.com</u>

Singapore & Malaysia:

18, Boon Lay Way, #09-96/97/98 Tradehub 21, Singapore 609966 Phone: (65) 6515 4520 Fax: (65) 6515 4521 Email: <u>sales-asean@actatek.com</u>



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i) Pre-requisites before installing ACTAtek Access Manager Suite

Hardware Requirements:

- CPU Processor: Intel Core 2 Duo 2.6GHz or higher.
- At least 4 GB of system memory.
- At least 20 GB of available hard disk space.
- Ethernet Card 100 Base-T is recommended.

Software Requirements:

- Windows Vista Business/Win 7 Professional/Server 2003/Server 2008 (both 32bits and 64bits supported).
- Microsoft SQL Server for Database Server (SQL Server 2005 and 2008 are supported).
- Microsoft .Net 2.0 and 3.5 runtime have to be installed.
- The following web browsers are supported :-
 - 1) Internet Explorer v7.0 and above
 - 2) Chrome v6 and above
 - 3) Fire Fox v3.5 and above

Points to take note of:

- Access Manager Firmware is not compatible with ACTAtek Time Attendance Software.
- Access Manager Firmware is not compatible with ACTAtek Agent.
- Access Manager Firmware is not compatible with ACTAtek Sync.



ii) Points to take note for Operation of Access Manager Suite

- 1) For the first ACTAtek unit registered with Access Manager Suite, all the data in the unit will be sent to Access Manager.
- 2) As for subsequent units registered with Access Manager Suite, all the data in the units will be erased and overwritten with the data from Access Manager Suite instead.
- 3) Firmware and FAM versions must be the same for all ACTAtek units registered with Access Manager Suite.
- 4) You are now able to un-register any registered ACTAtek unit as the Access Manager itself acts as the Primary Database.
- 5) Ensure that time zone and time settings are set correctly for both ACTAtek units and PC/Server (installed with Access Manager Suite).



iii) Installing ACTAtek Access Manager Suite

- 1) Make sure that Microsoft SQL Server is installed and running before installing ACTAtek Access Manager Suite.
- 2) Double Click on Setup.exe to start installing ACTAtek Access Manager Suite.

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ganize 🔻 Extract all fi	les)III 👻 🗔	(
Favorites	Name ^	Туре	
E Desktop	SQL Server Compact Edition	File folder	
🍓 Downloads	WindowsInstaller 3_1	File folder	
🔛 Recent Places	AccessManagerPackage_x64	Windows Installer Package	
Ubraries Documents Music Pictures Videos	setup	Application	
an Madauarda	1.1		

3) Click on any key to continue installing as per below screenshot.





4) Stick with Default values and Click on "Next" to proceed.

Select Installation Ad	dress A	CALEK
The installer will install Access Manag To install to this web location, click "I	ger Suite to the following web loc Next''. To install to a different we	ation. b location, enter it below.
Default Web Site		 Disk Cost
Virtual directory:		
y ⊻irtual directory: AccessManager		_
Virtual directory: AccessManager		
, ⊻itual directory: AccessManagel Application Pool: DefaultAppPool		
⊻iitual directory: AccessManagel Application Pool: DefaultAppPool		
Virtual directory: AccessManage Application Pool DefaultAppPool		

5) Click on "Next" to start installation.



6) Press Finish to complete the installation. You have successfully installed Access Manager Suite on your computer.



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iv) Configuration of Windows Server Manager Settings

- 1) Do take note that for this guide, we are using Windows Server 2008.
- 2) Click on "Server Manager".
- 3) Select "Features" and click on "Add Features".



4) Check on ".NET Framework 3.5.1 Features" if Microsoft .Net Framework 3.5 has not been installed on your Server.





5) Upon checking on ".NET Framework 3.5.1 Features", there will be a pop up window (Add Features Wizard). Click on "Add Required Role Services".

Add Features	nager s Wizard	× □ - ×
s s	Select Features	
Features	Select one or more features to install on this server.	
Confirmation Progress Results	Add features Wizard Add role services required for .NET Framework 3.5.1 Features? You cannot instal .NET Framework 3.5.1 Features unless the required role services are also installed. Role Service: Web Server (15) Web Server (15) Web Server (15) Web Server (15) Request Fittering	1.5.1 NET V plications erfaces, sonal seamless and a range of
	Add Required Role Services Cancel • Why are these role services required? • Remote Differential Compression • Remote Server Administration Tools <td< th=""><th>- 2 Zancel</th></td<>	- 2 Zancel

6) Click on "Next >" to proceed.





7) Check on "ASP.NET".



8) Upon checking on "ASP.NET", there will be a pop up window (Add Features Wizard). Click on "Add Required Role Services".

.	Select R	tole Services		
Features Web Server ()	15)	Select the role services to install Role services:	for Web Server (IIS): Description:	
Confirmation Progress Results		Add role services required for A Vau cannot Initial ASP NET unless the required for Role Services: ■ Web Server ■ Veb Server ■ Apolication Development NET Extensibility ■ Socially Request Ritering	SP.NET? Ites Processes Pr	rs set by sus ristic By mpt to pe
	(i) Wh	can these tole services required?	Add Request Rule Services Cancel	1

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- 9) Ensure that the below are checked -
 - Basic Authentication
 - Windows Authentication
 - Client Certificate Mapping Authentication
 - IIS Client Certificate Mapping Authentication
 - URL Authorization
 - Request Filtering



10) Ensure that the below are checked as well -

- IIS Management Console
- IIS Management Scripts and Tools
- Management Service
- IIS 6 Metabase Compatibility
- IIS 6 WMI Compatibility
- IIS 6 Scripting Tools
- IIS 6 Management Console





11) Click on "Install" to start installation.





12) Once installation has been successfully completed, click on "Close".



13) Go to "Server Manager". Click on "Roles" and "Add Roles".



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14) Check on "Application Server".

Add Roles Wizard Select Server R	oles	× I I × I
Before You Begin Server Roles Confirmation Progress Results	Select one or more roles to install on this server. Roles: Active Directory Certificate Services Active Directory Obmain Services Active Directory Florence Services Active Directory Role Services Active Directory Role Services Active Directory Role Services DPOP Server File Services Print and Document Services Rendot Desktop Services Web Server (IS) (Installed) Windows Server Update Services	Description: <u>Application Server</u> provides central management and hosting of high- performance distributed business applications such as those built with Enterprise Services and .NET Framework 3.5.1.
L	More about server roles C Previous Nex	t > Install Cancel

15) Upon checking on "Application Server", there will be a pop up window (Add Roles Wizard). Click on "Add Required Role Services".

Add Roles Wiz	lager zard		
	Select S	erver Roles	
Before You Be	egin	Select one or more role	is to install on this server.
Server Roles		Roles:	Description:
Confirmation Progress Results	Add Roles	Wizard Add role services required You cannot instal Application Server un Role Services TCP Port Sharing	I for Application Server? iss the required role services are also initialed. Description: <u>Application Server</u> provide central reargement and hosting of high- performance distributed business spficiations servides and NET Framework 3.5.1.
			Add Required Role Services Cancel
	(i) Why	are these role services required?	
		More about server role	4
			<previous next=""> Install Cancel</previous>
L			



16) Click on "Next >" to proceed.

Server Roles Application Server Role Services Confirmation Progress Results	Roles: Active Directory Certificate Services Active Directory Foderation Services Active Directory Foderation Services Active Directory Rights Management Services Active Directory Rights Revices Active Rights Re	Description: <u>Application Server</u> provides central management and hosting of high- performance distributed business applications such as those built with Enterprise Services and .NET Framework 3.5.1.
	Windows Deployment Services Windows Server Update Services	

17) Click on "Next >" to proceed.





18) Check on "Web Server (IIS) Support".

Server Manager		_I_IX
Add Roles Wizard Select Role Serv	ices	×
Before You Begin Server Roles Application Server Role Services Confirmation Progress Results	Select the role services to install for Application Server: Role services: Image: Service (IIS) Support COM+ Network Access Image: Top Activation Image: Service Service Support (Installed) Image: HTTP Activation Image: Service Service Service Support (Installed) Image: HTTP Activation Image: Service Se	Description: Web Server (IIIS) Support enables Application Server to host internal or external Web sites and Web services that communicate over HTIP. It includes support for ASP.NET applications that can be accessed via a Web browser such as Internet Explorer, and Web services built using Windows Communication Foundation (WCF).
	More about role services < Previous	t >

19) Upon checking on "Web Server (IIS) Support", there will be a pop up window (Add Roles Wizard). Click on "Add Required Role Services".

Server Roles		Select the role services to install for Appli Role services:	cation Server: Description:	
Application S Add P	oles Wizard	Tour and another	a cat provi	× nables
Results	Applic Web S W W W W W W W W W	res: tain:Server indover Process Activation Service Support enerer (IIS) eb Server ramework 3.5.1 Features CF Activation	Lescoption: Accilication Server provides central management and hosting of high- performance distributed business applications such as those built with Enterprise Services and NET Framework 3.5.1.	ernet built usin bundation
			Add Required Role Services Cancel	<u> </u>
()	Why are these ro	le services and features required?		li
		More about role services		



20) Ensure that the below are checked as well -

- .NET Framework 3.5.1
- COM+ Network Access
- TCP Port Sharing
- Windows Process Activation Service Support
- HTTP Activation
- Message Queuing Activation

Add Roles Wizard Select Role S	ervices	X II.
Before You Begin Server Roles Application Server Role Services Web Server (IIS) Role Services Confirmation Progress Results	Select the role services to instal for Application Server: Role services:	Description: <u>MessaceQueuina Activation</u> supports process activation via Message Queuing, Applications that use MessageQueuing Activation can start and stop dynamically in response to work (tems that arrive over the network via Message Queuing.
L	More about role services < Previous Nex	t > Install Cancel

21) Upon checking on "Message Queuing Activation", there will be a pop up window (Add Roles Wizard). Click on "Add Required Role Services".

Before You Begin Server Roles		Select the role services to install for App Role services:	lication Server:	Description:	
Application Server Role Services				<u>COM+ Network Access</u> enables Application Server to host and a remote invocation of application with COM+ or Entempies Service	
Role Services	dd Roles Wizard			×	
Progress	You ca	Teatures required for Messag	ge Queuing Actival ess the required features are	tion?	
Results	Feature	5:	Description:		L
		srage Gueuing Message Queuing Services Message Queuing Server	Message Que message deliv and priority-ba applications. I accommodate applications th systems, use infrastructures are running at	uing provides guaranteed erey, efficient rouling, security, used messaging between fessage Queung also a message delivery between at run on different operating dissimilar network , are temporarily offline, or that different times.	



22) Click on "Next >" to proceed.



23) Click on "Next >" to proceed.





24) Click on "Install" to start the installation.



25) Once installation has been successfully completed, click on "Close".





v) Configuration of Internet Information Services

- 1) Go to "Server Manager". Click on "Internet Information Services (IIS)".
- 2) Click on "Application Pools". Right Click on "Classic .NET App" and select "Add Application Pool...".



- 3) Enter Name as "AccessServer".
- 4) Select .NET Framework version as ".NET Framework v2.0.50727".
- 5) Select Managed pipeline mode as "Integrated".





6) Click on "OK" and you will have successfully added the Application Pool named as "AccessServer".

File Action View Help			
Control Management Control Management	Internet Information Services (IIS) Hanay	Application Pools Application Pools This page let by you view and manage the lat of application pools on the server. Application contain one or more applicatory, and provide salation among off first applicators. Filter: Filter: Filte	
		Features VeryContent New	Rename Renove Verw Applications Online Help

- 7) Expand "Sites" and Right Click on "AccessServer".
- 8) Select "Manage Application \rightarrow Advanced Settings".





- 9) Click on "Application Pool". A pop-up window (Select Application Pool) will appear.
- 10) Select "AccessServer" for Application pool. Click on "OK".



11) Click on "OK" to exit the pop-up window (Advanced Settings).





vi) Configuration of Windows Folder/Security Settings

1) Go to C:\ and select under "Tools" tab \rightarrow "Folder options".



- 2) A pop –up window (Folder Options) will appear. Select "View" tab.
- 3) Check on "Show hidden files, folders, and drives".
- 4) Click on "OK" to exit the pop-up window (Folder Options).





- 5) Now, you will be able to see the hidden folder "ProgramData" in C:\.
- 6) Right Click on "ProgramData" and select "Properties".



7) Select "Security" tab. Click on "Edit".





8) A pop-up window (Permissions for ProgramData) will appear. Click on "Add...".



- 9) A pop-up window (Select Users or Groups) will appear.
- Enter the object name to be the following → Location\IIS_IUSRS i.e. WIN-COGTF6GMEFF\IIS_IUSRS. Take note that you can find the location by going to "From this location".
- 11) Click on "Check Names" once the object name has been entered. Click on "OK" to exit the pop-up window (Select Users or Groups).

Ger	ogramData Properties X	
C	Permissions for ProgramData	1
G	Select Users or Groups	<u>?</u> ×
	Select this object type:	
	Users, Groups, or Built-in security principals	Object Types
	From this location:	
T	WIN-COGTF6GMEFF	Locations
E	Enter the object names to select (examples):	
С	WIN-C0GTF6GMEFF\IIS_IUSRS	Check Names
		_
	Advanced OK	Cancel
E		
c	Read & execute	
L	List folder contents	
	Read 🔲 🗖 🚽	
	Learn about access control and permissions	
	OK Cancel Apply	



- 12) Select "IIS_IUSRS" that you have just created. Ensure that the "Full Control" \rightarrow "Allow" checkbox has been checked.
- 13) Click on "OK" to exit the pop-up window (Permissions for ProgramData).

🚺 Pi	rogramData Properties		×
Ge	neral Sharing Security Previous Ve	ersions Customi	ze
C			
c	Permissions for ProgramData		<u>×</u>
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	Object name: C:\ProgramData		
	Group or user names:		
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Т	Administrators (WINLCOGTER)		atom)
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Ē	& Users (WIN-C0GTF6GMEFF\	Users)	
		Add	Remove
	Permissions for IIS_IUSRS	Allow	Deny
L	Full control	V	
F	Modify	\checkmark	
C	Read & execute		
L	List folder contents		
	Learn about access control and pe	missions	
	ОК	Cancel	Apply



vii) Configuration of ACTAtek Access Manager Suite

- 1) Login to the web-based console menu of Access Manager Suite by going to a web browser and enter the following URL (<u>http://localhost/AccessManager</u>).
- 2) You will see the below screenshot. Click on "Log In".



3) Enter "admin" for Username and "1" for Password. Click on "Log In" to proceed.

og In - Mozilla Firefox Edit View History Bookmarks Tools Help			
C A http://localhost/AccessManager/Account/Login.aspx	습 -	Google	
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CTATEK ACCESS MANAGEMENT SUITE			
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ase enter your username and password.			
Account Information			
Username:			
admin			
Password:			
•			
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- Keep me ogged in			
Log In			
Log in			



4) You will see the below screenshot once successfully login.



5) Click on "Control Panel" tab and select "Database Config".





- 6) Ensure that the correct "Database Type" has been chosen.
- 7) For "Database Server Address", you can enter your SQL Server Name.
- 8) For "Database Name", do ensure that you have entered a Database Name that does not exist in your SQL Server.
- 9) Enter the appropriate User Name and Password, with the rights to create the database in your SQL Server.

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http://localhost/tabaseCor	nfig.aspx 🔅		
ome Access Manager Control Pa	inel About		
CONTROL PANEL			
	DATABASE CONFIGURATION		
System Accounts			
Register/Edit/Delete Account	Access Manager Database		-11
Change Password	Database Type		
2 sugn runnaun	SQL Server		
System Configuration	Database Server Address		
Database Configuration	localhost		
System Update	Database Name		
Server Setup	actatek_access		
2 Edit/Delete Server	User Name		
System Utils	sa		
Audit Log Viewer	User Password		
	•••••		
		Setup	
		Octop	

10) Click on "Setup" to create the database once the settings have been entered correctly. You will see the webpage similar to the below screenshot.

Mozilla Firefox Je Edit View History Bookmarks To	ols Help		
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			-
Home Access Manager Control Panel Ab	out		
CONTROL PANEL	ATABASE CONFIGURATION		
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Assign Permission			_
System Configuration 📾	Access Manager Database		
Database Configuration	Database Tupe		
System Update	SQL Server ·	DATABASE SETUP SUMMARY	
Server Setup	Database Server Address	 Checking existence of database: actatek_access Database does not exist 	5
Edit/Delete Server	localhost	- Creating database	- 11
System Utils 🕄	Database Name	- Database is created successfully	- 11
Audit Log Viewer	actatek_access		- 11
	User Name		- 11
	ta		- 11
	User Password		- 11
	•••••		- 11
			- 11
		Setup	
A CYEVA tola			
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ne			

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- 11) Next, click on "Server Setup". Enter your desired "Terminal Group". Ensure that the Terminal IP Address tally with your PC/Server IP Address.
- 12) Make sure that the Time Zone is in accordance with your region's time zone.
- 13) Enter your desired "Magic String". Click on "Setup" to confirm the settings for your PC/Server.

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http://localhost//ServerSe	tup.aspx 🔅		
me Access Manager Control Pa	About		
CONTROL PANEL			
CONTROL FAILE	SERVER SETUP		
ystem Accounts E	Terminal(Access Server)		
Register/Edit/Delete Account			
Assign Permission	Terminal Group		
	Server 10 Address		
ystem Configuration 8	192.168.3.209		
Database Configuration	Micrellspace		
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Edit/Delete Server	Select Method		
atum III da	Disabled		
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ACTAtek	Event Log's Port		
	80		
WWW.ACTAtek.com	End point //AccessServer/AcentService astroc		
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14) You have successfully configured your Access Manager Suite.

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	(_	
CONTROL PANEL	erouro erano			
System Accounts	SERVER SETUP			
Register/Edit/Delete Account	Terminal aroun (Access Mananer) is added successfully			
Change Password				
Cargo Partitization	Terminal(Access Server)			
System Configuration	Terminal Group			
Database Configuration	Access Manager			
System Update	Server IP Address			
Edit/Delete Server	192.168.3.209			
	Miscellaneous			
System Utils	Salart Method			
Audit Log Viewer	Disabled			_
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	TimeZone			
	(GMT +08:00:00) Singapore	*		
	SNTP Server			
	Type SNTP Server Here			
RATE RATE	Event Logs			



viii) Configuration of ACTAtek Unit for Access Manager Usage

1) Firstly, ensure that your ACTAtek unit has been upgraded to Access Manager Firmware. You can check so by looking at the "Firmware Version" via "Terminal Status" page of the Web Interface.

B) contract of the second	and the second second		
WACTATEK - HECTITIX LTG M	ozilia Firerox		
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ACTAtek - Hectrix Ltd.	*		-
ACTAtek The worldwide :	leader in Web based technologie	95.	
Terminal	Terminal Status		
• Terminal Status	Model Number	ACTA2-1K-FPC	
User Administration	Serial Number	00111DA00000	
Attendance Report	Firmware Version	actatek 2 06.2	
Daily Report	FAM Version	6.053	
Add Event Log	Terminal Description	ACTAtek	
View User List	IP Address	192.168.3.66	
Add New User	Primary/Secondary Unit	Primary	
Departments	System Uptime	Less than 1 minute	
 User Messages 	Registered/Maximum Users	1/1000	
Access Control	Automatch Users	0/500	
Access Groups	Current Status	Online	
Triggers	Last Time Server Sync Time	Time Server Disabled	
 Holidays Setting 	Total Flash Memory Size	111.12M	
Terminal Settings	Memory Free	90.66M	
 Terminal Setup Authentication/Log Setup Primary/Secondary 		Copyright © 2001-2009 by ACTAtek Pte Ltd.	
Done			٠

2) Next, go to "Terminal Setup" and make sure that the checkbox for "Terminal Mode" has been set to "Access Manager". Once done, click on "Submit" to confirm.





3) After the webpage has been refreshed, you will notice on the left hand menu, there will be an "Access Client Setup" option shown.

(mn			
WACTAtek - Hectrix Ltd M	ozilla Firefox		
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Access Groups Triggers Holidays Setting	Terminal Setu	J p acafull	^
Terminal Settings			
 Authentication/Log 	Network Settings	-	
Setun Ferminal List	Terminal ID Serial Number	8 80111DA86D5C	_
Access Client Setup	Terminal Description	ACTAtek	
 Door Open Schedule Bell Schedule 	IP Address	DHCP Static IP Address: 192.168.3.66	
Connection Profile Terminal Clock	Subnet Mask	255.255.255.0	
External Devices	Default Gateway	192.168.3.1	
Terminal	DNS Server	192.169.34.181	
 SMS Service Alert Log 	Fingerprint Relat	ed Setting	
 Syslog Backup System Data 	Security Level (for Automatch)	Low	
 Restore System Data 	Console Display	Fimeout Settings	
Firmware Upgrade Download Report	Welcome Message	1 sec V	~
Done			ور 🙂

- 4) Click on "Access Client Setup".
- Enter the Endpoint URL as per following - <u>http://IP-Address-of-Access-Manager:7780/AccessServer/AccessService.asmx</u> (i.e. - <u>http://192.168.3.16:7780/AccessServer/AccessService.asmx</u>).
- 6) Once done, click on "Set". If successfully detected Access Manager, there will be a "Register" button appearing on the same screen.

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<u>File E</u> dit <u>V</u> iew Hi <u>s</u> tory <u>B</u> ookr	narks <u>T</u> ools <u>H</u> elp		
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$\operatorname{ACTAtek}$ The worldwide 1	eader in Web based t	echnologies.	
View User List Add New User Departments User Messages	ACCESS Clie [Save settings suc	ent Setup ccessfully]	
Access Control	Connection Type	lan 💌	
Access Groups Triggers	Access Client		
Holidays Setting	Device Status	Unregistered	
Terminal Settings	Server Status	Online	
Terminal Setup	Endpoint UKL	http://192.100.3.101/70U/AccessServer/AccessService.asmx	
• Authentication/Log Setup	Interval(seconds)		
Terminal List Access Client Setup Door Open Schedule Bell Schedule Connection Profile Terminal Clock External Devices	Jet register	Copyright © 2001-2009 by <u>ACTAtek Pte Ltd.</u>	
Terminal 🗡			
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7) Click on "Register" button and the ACTAtek unit will start registering itself with the Access Manager. You will see a similar screenshot below.



8) Once registered successfully, you will get a message indicating so as per below screenshot.





9) You can verify if the ACTAtek has been connected to the Access Manager by going to the "Terminal Status" page and check from the "Access Manager" portion.

🕙 ACTAtek - Hectrix Ltd Mozilla Firefox		
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Most Visited 📄 Getting Started 流 Latest Headlines 📄 ACTAtek	- Hectrix Ltd.	
ACTAtek - Hectrix Ltd.		
$\operatorname{ACIAtek}$ The worldwide leader in Web based technologie	es.	
Terminal		1
Terminal Status Model Number	ACTA2-1K-FPC	
User Administration Serial Number	00111DA00000	
Attendance Report Firmware Version	actatek 2 06.2	
Daily Report FAM Version	6.053	
Add Event Log Terminal Description	ACTAtek	
View User List IP Address	192.168.3.66	
Add New User Primary/Secondary Unit	Primary	
Departments System Uptime	21 Minute(s)	
User Messages Registered/Maximum Users	1/1000	
Access Control Automatch Users	0/500	
Access Groups Current Status	Online	
Triggers Last Time Server Sync Time	Time Server Disabled	
Holidays Setting Total Flash Memory Size	111.12M	
Terminal Settings Memory Free	90.68M	
Terminal Setup Access Manager		
Authentication/Log Connection Type	LAN	-
Terminal List Server Status	online	
Access Client Setup Device Status	Registered	3
Done		(3)

10) You can un-register the ACTAtek unit by going back to "Access Client Setup" and press the "Unregister" button.





11) Once un-registration is completed, you will see a screen similar to the below screenshot.

🕹 ACTAtek - Hectrix Ltd Mi	ozilla Firefox			
Eile Edit View History Bookmarks Iools Help				
🔇 🔊 - C 🗙 🏠	http://192.168.3.	66/admin.html 🟠 🗸 Google	P	
🙍 Most Visited 🗋 Getting Started 🔝 Latest Headlines 📄 ACTAtek - Hectrix Ltd.				
ACTAtek - Hectrix Ltd.				
ACTAtek The worldwide :	leader in Web based te	echnologies.		
Terminal • Log Off • Terminal Status User Administration • Attendance Report • Daily Report • View Event Log • Add Event Log • Add Event Log • View User List • Add New User • Departments • User Messages • Access Control • Access Groups • Holidays Setting Terminal Settings • Terminal Setup • Authentication/Log • Terminal List	ACCESS Clie Unregister succes Connection Type Access Client Device Status Endpoint URL Interval(Seconds) Set Register	Unregistered Online http://192.168.3.16.7780/Access Service.asmx 10 Copyright © 2001-2009 by <u>ACTAtek Pte Ltd.</u>		
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