Jakin ID ™

Enterprise-wide ID Management Solutions

Training Presentation
on
API for Third Party Application Integration

Integration to Third Party Applications

A. SOAP/API (pull method)

The client can integrate their software ("CLIENT") to communicate directly with the device (built-in web services, "SERVER") via API command calls. For more information and the sample codes.

http://www.actatek.com/Downloads/soap/ACTAtek_SOAP_v.1.18_20100211.pdf

http://www.actatek.com/Downloads/soap/ACTAtek_VB_NET_SAMPLE.zip

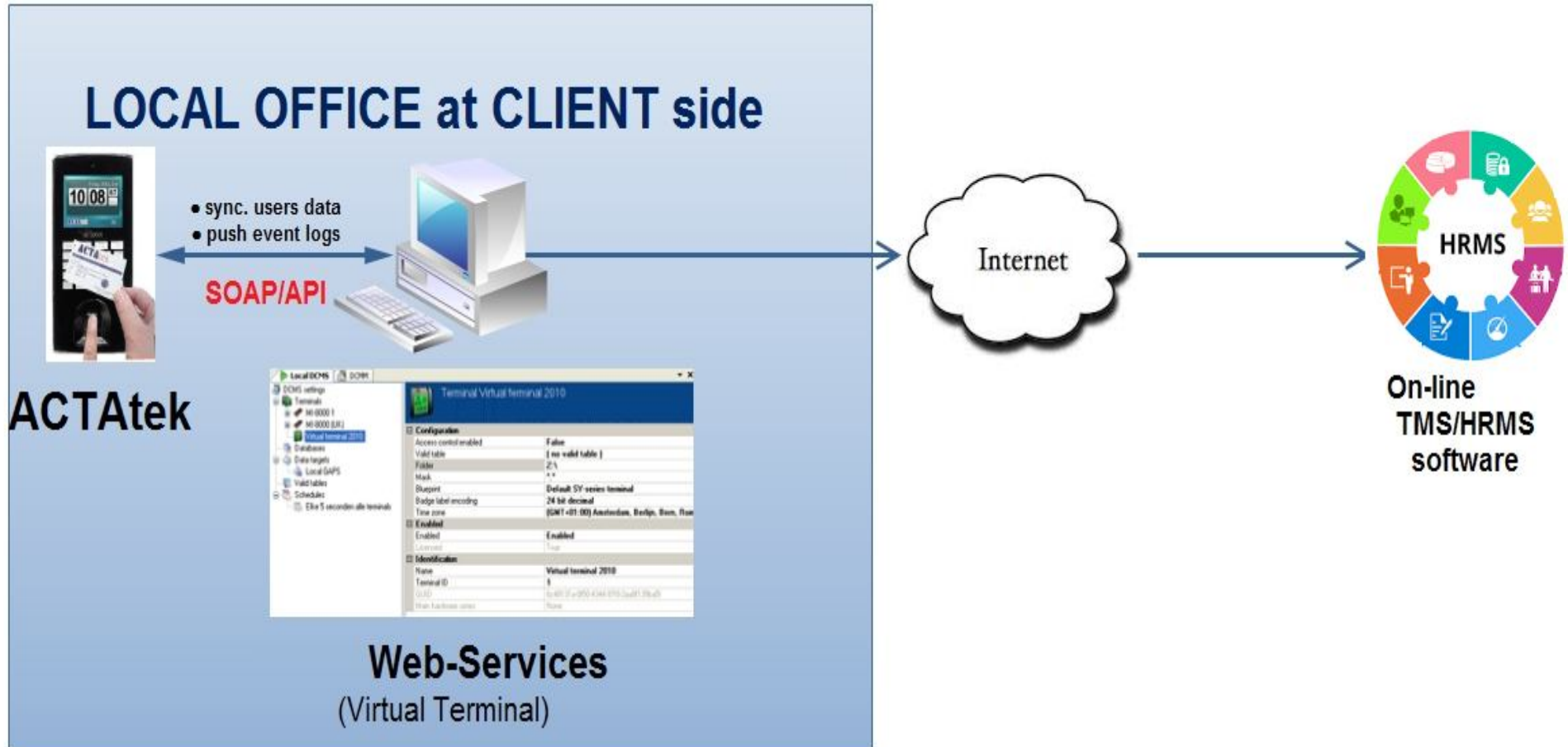Our on-line Demo unit's URL can be access at below link.

http://220.241.195.204:1024/

Login ID: **A999**

Login Password: **1**

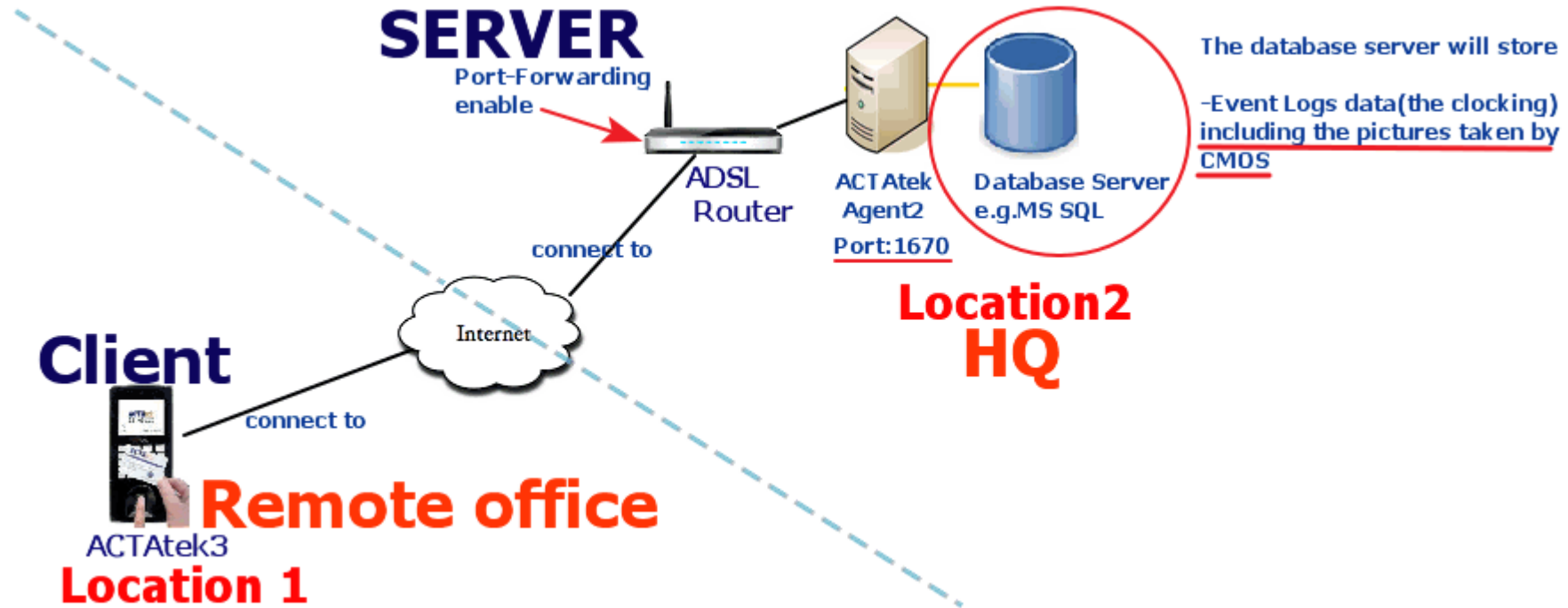Login Level: **Super Administrator**
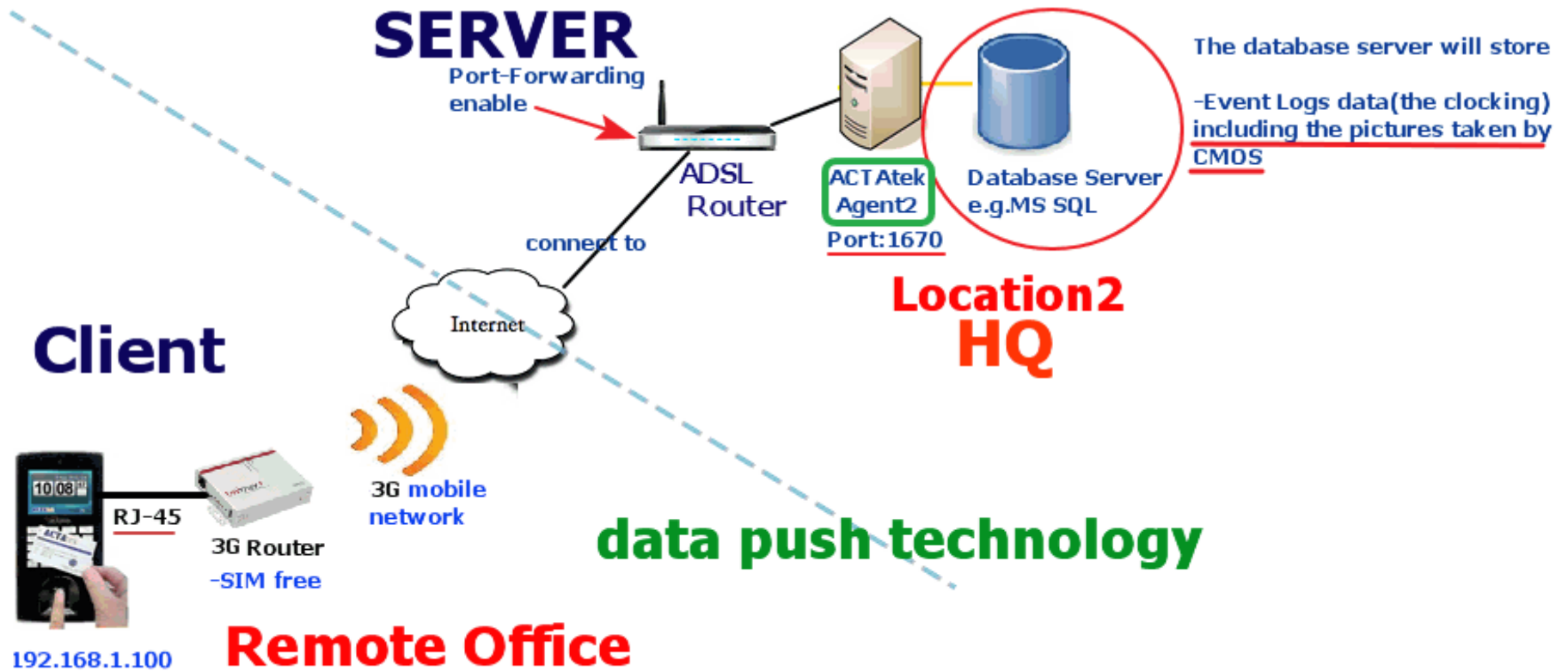
2

Using SOAP API

B.Middle-ware (push method)

➢The client can install Agent2 software ("SERVER") running Agent web services at PC/Server so that the device ("CLIENT") will be able to push/send Event Logs data back to Agent2 software' s back-end database. After that, the client can integrate their software from the Agent 2 database.

➢For more information about Agent2 software, please kindly check the below on-line knowledge-base article.

http://www.jakinid.com/support/knowledgebase.php?article=3

Push and Pull data to Agent2 Database

SERVER
Port-Forwarding enable

ADSL Router

ACTAtek Agent2
Port:1670

Database Server
e.g.MS SQL

The database server will store

-Event Logs data(the clocking) including the pictures taken by CMOS

Location2 HQ

connect to

Internet

Client

connect to

Remote office
ACTAtek3
Location 1

Mobile Network Push and Pull data to Agent2 Database

SERVER

Port-Forwarding enable

ADSL Router

connect to

ACT Atek Agent2

Port:1670

Database Server e.g.MS SQL

The database server will store

-Event Logs data(the clocking) including the pictures taken by CMOS

Location2 HQ

Client

Internet

RJ-45

3G Router -SIM free

3G mobile network

192.168.1.100

Remote Office

data push technology

Agent2 database's event logs table

UTC time from the device   GMT+8 time_zone setting from the device

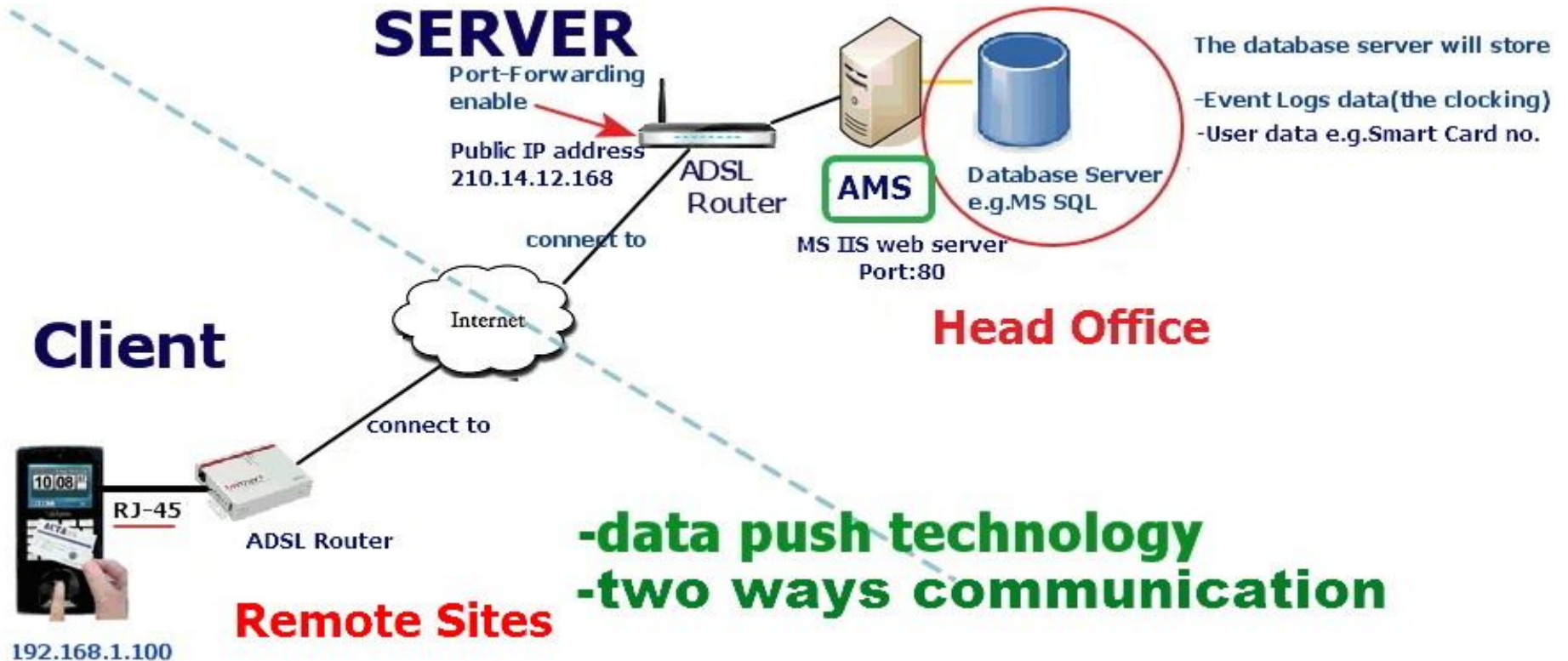|	UserID	Timestamp	Timestamp_Server	Timestamp_ACTAtek	EventTrigger	OriginalSN	SenderSN	Remark
1	168	2013-01-16 06:09:32.000	2013-01-16 14:09:32.000	2013-01-16 14:09:32.000	IN	00111DA05037	00111DA05037	#FP#
2	1477	2013-01-16 05:54:36.000	2013-01-16 13:54:36.000	2013-01-16 13:54:36.000	IN	00111DA00B05	00111DA00B05	#SMC(SN:I0104301F20)#
3	1477	2013-01-16 05:54:33.000	2013-01-16 13:54:33.000	2013-01-16 13:54:33.000	IN	00111DA00B05	00111DA00B05	#SMC(SN:I0104301F20)#
4	1477	2013-01-16 05:54:29.000	2013-01-16 13:54:29.000	2013-01-16 13:54:29.000	IN	00111DA00B05	00111DA00B05	#SMC(SN:I0104301F20)#
5	168	2013-01-15 09:32:16.000	2013-01-15 17:32:16.000	2013-01-15 17:32:16.000	IN	00111DA05037	00111DA05037	#FP#
6	168	2013-01-15 08:33:04.000	2013-01-15 16:33:04.000	2013-01-15 16:33:04.000	IN	00111DA05037	00111DA05037	#FP#
7	168	2013-01-15 08:08:12.000	2013-01-15 16:08:12.000	2013-01-15 16:08:12.000	OUT	00111DA05037	00111DA05037	#FP#
8	168	2013-01-15 08:07:49.000	2013-01-15 16:07:49.000	2013-01-15 16:07:49.000	IN	00111DA05037	00111DA05037	#FP#
9	168	2013-01-15 08:05:06.000	2013-01-15 16:05:06.000	2013-01-15 16:05:06.000	IN	00111DA05037	00111DA05037	#FP#
10	168	2013-01-15 08:04:56.000	2013-01-15 16:04:56.000	2013-01-15 16:04:56.000	OUT	00111DA05037	00111DA05037	#FP#
11	168	2013-01-15 08:04:50.000	2013-01-15 16:04:50.000	2013-01-15 16:04:50.000	IN	00111DA05037	00111DA05037	#FP#
12	168	2013-01-15 08:02:05.000	2013-01-15 16:02:05.000	2013-01-15 16:02:05.000	IN	00111DA05037	00111DA05037	#FP#
13	168	2013-01-15 07:59:07.000	2013-01-15 15:59:07.000	2013-01-15 15:59:07.000	OUT	00111DA05037	00111DA05037	#FP#
14	168	2013-01-15 07:59:01.000	2013-01-15 15:59:01.000	2013-01-15 15:59:01.000	IN	00111DA05037	00111DA05037	#FP#
15	C061	2013-01-11 04:01:23.000	2013-01-11 12:01:23.000	2013-01-11 12:01:23.000	IN	00111DA05037	00111DA05037	#FP#
16	C104	2013-01-11 04:01:12.000	2013-01-11 12:01:12.000	2013-01-11 12:01:12.000	IN	00111DA05037	00111DA05037	#FP#

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C.AMS API (push method)

➢The client can install Access Manager Suite ("SERVER") software running web services at PC/Server so that the device ("CLIENT") will be able to not only sync. Users' data but also push/send Event Logs data back to AMS back-end database.
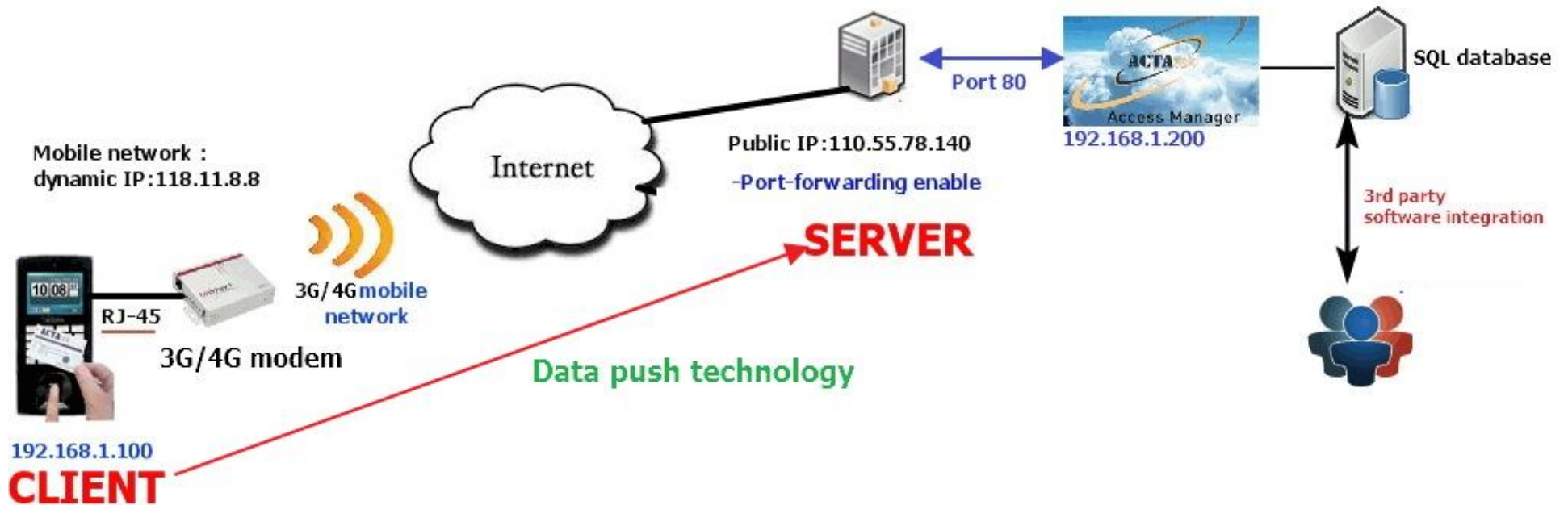
   After that, the client can integrate their software with AMS database.

Push and Pull data to AMS Database

SERVER

Port-Forwarding enable

Public IP address 210.14.12.168

ADSL Router

connect to

Internet

AMS

MS IIS web server Port:80

Database Server e.g.MS SQL

The database server will store

-Event Logs data(the clocking)
-User data e.g.Smart Card no.

Head Office

Client

connect to

RJ-45

ADSL Router

Remote Sites

192.168.1.100

-data push technology
-two ways communication

Mobile Network Push and Pull data to AMS Database

AMS Database

D.SMS/Email integration

Option1

WAN

subscribed SMS gateway
services provider(SMS.sg)

SMS

User ID: 111 is clock: IN at
2010/01/22 16:01:33

Option2

Client

LAN or Internet

Option 1. Middleware
(Agent)

Option 2. Access Manager
(Web Server App.,User Management,On-line Reports)

Support Database
(MS SQL,MySQL,
Oracle11i,CSV/TXT)

any local 3rd party SMS
gateway services
provider who provided
API or hardware to
integrate with.

software integration
from database

Thank you

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