



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.

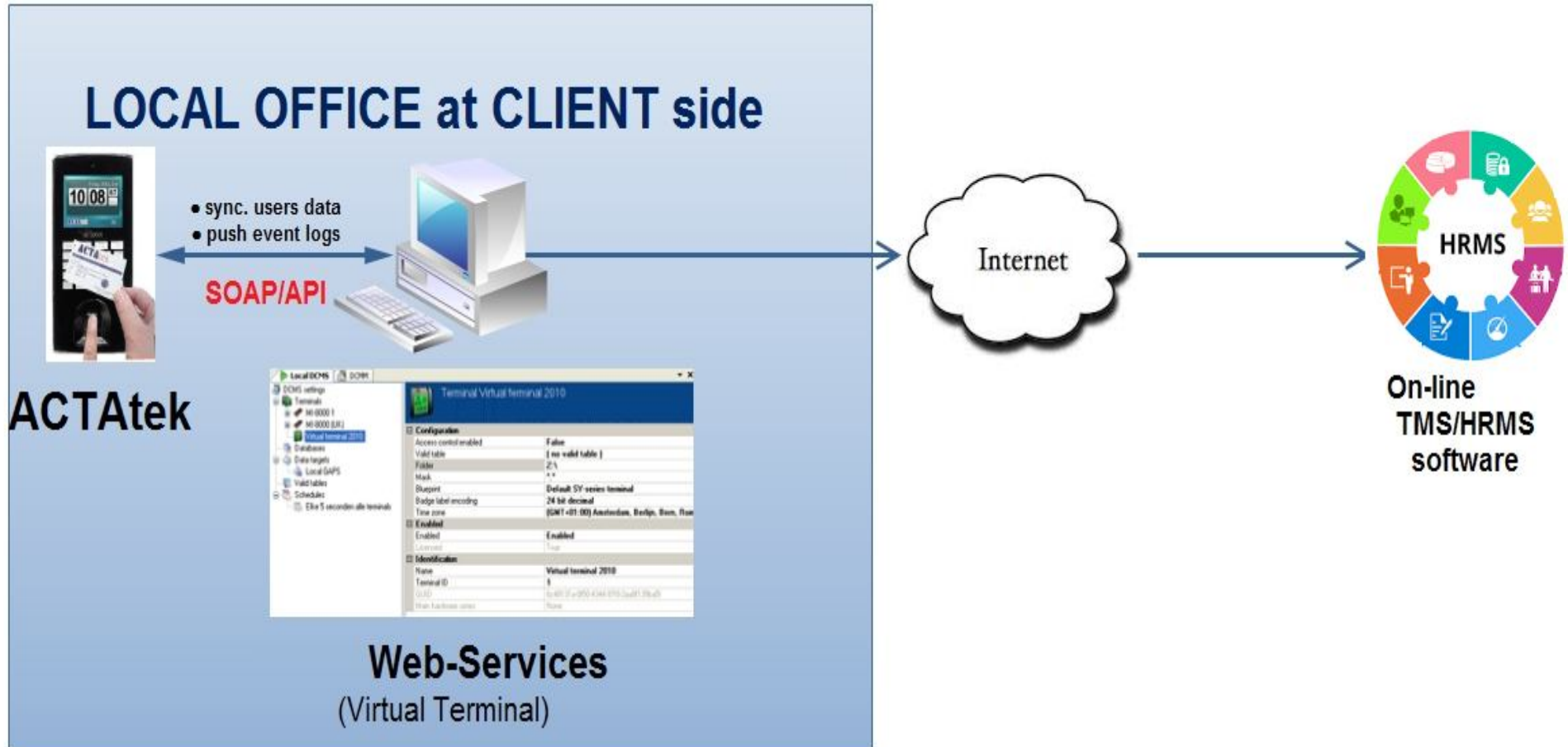
<http://220.241.195.204:1024/>

Login ID: **A999**

Login Password: **1**

Login Level: **Super Administrator**

Using SOAP API



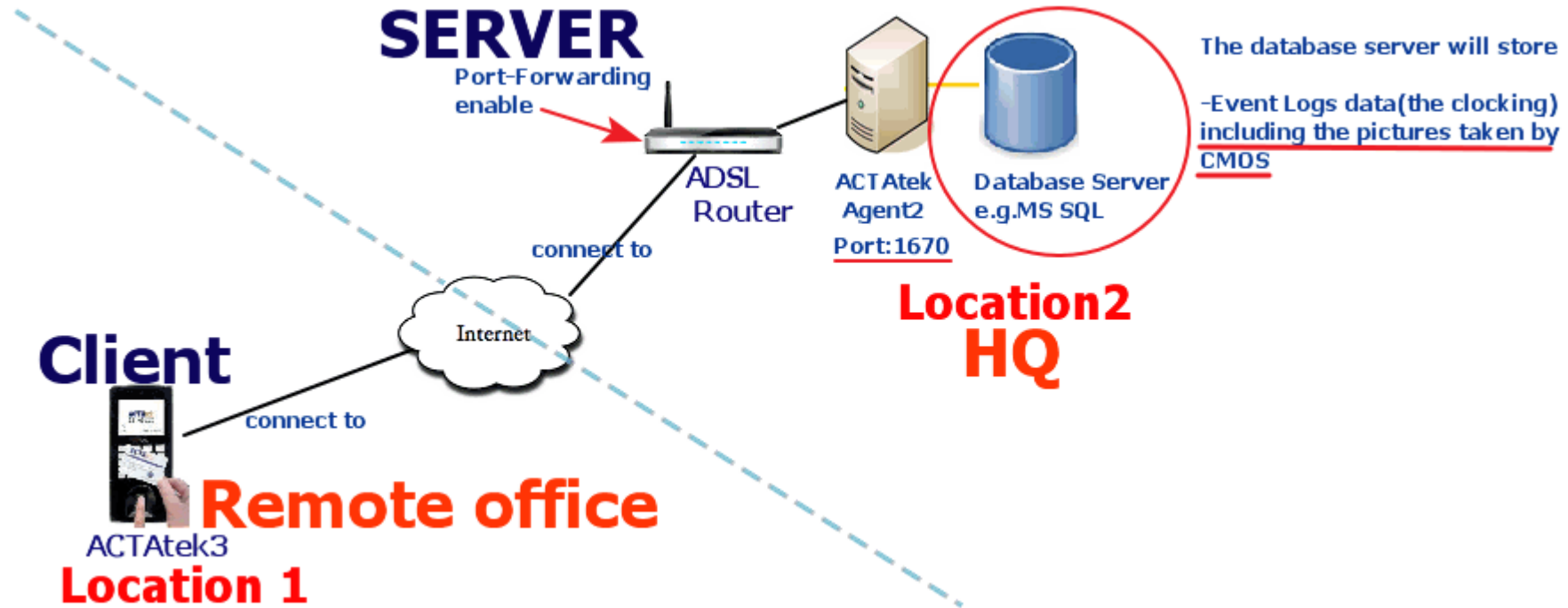


B.Middle-ware (push method)

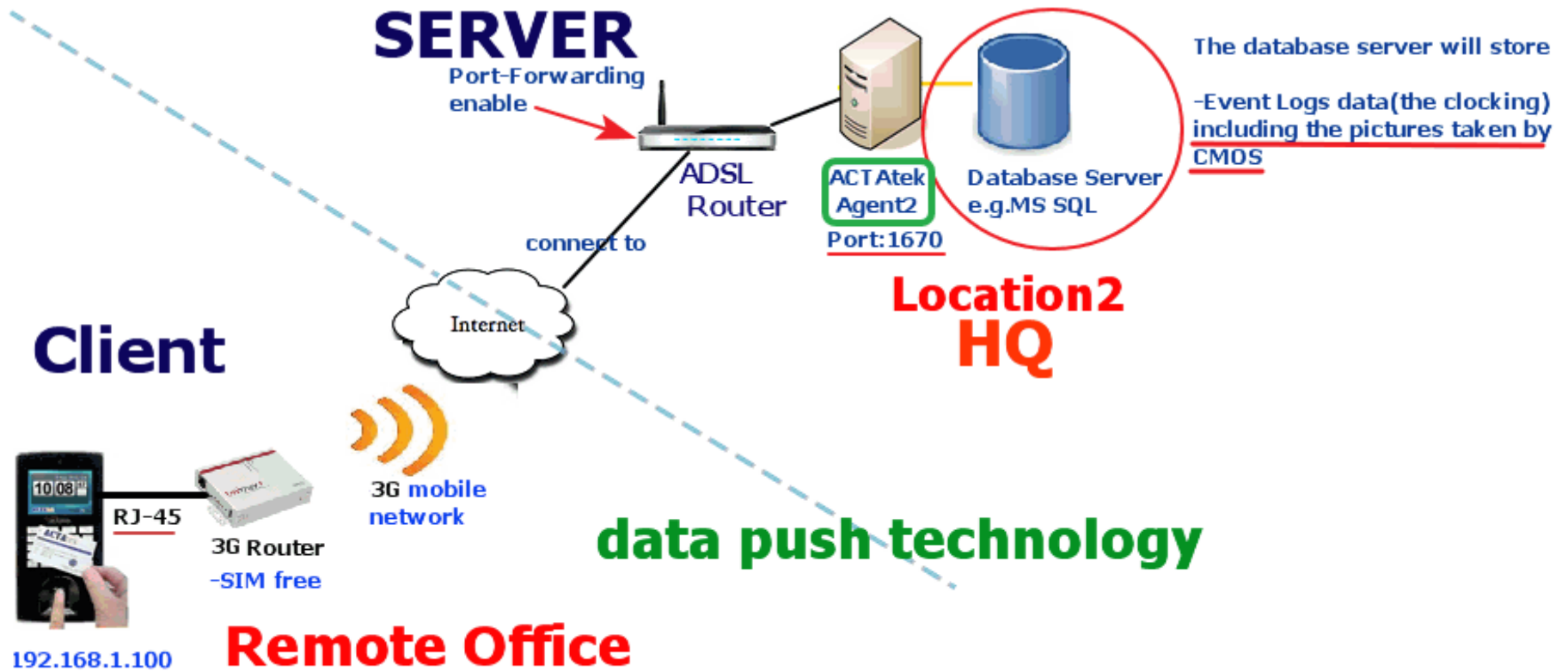
- The client can install Agent2 software ("SERVER") running Agent web services at PC/Server so that the device ("CLIENT") will be able to push/send Event Logs data back to Agent2 software' s back-end database. After that, the client can integrate their software from the Agent 2 database.
- For more information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



Mobile Network Push and Pull data to Agent2 Database



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	Event Trigger	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:10104301F20)#
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:10104301F20)#
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:10104301F20)#
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#

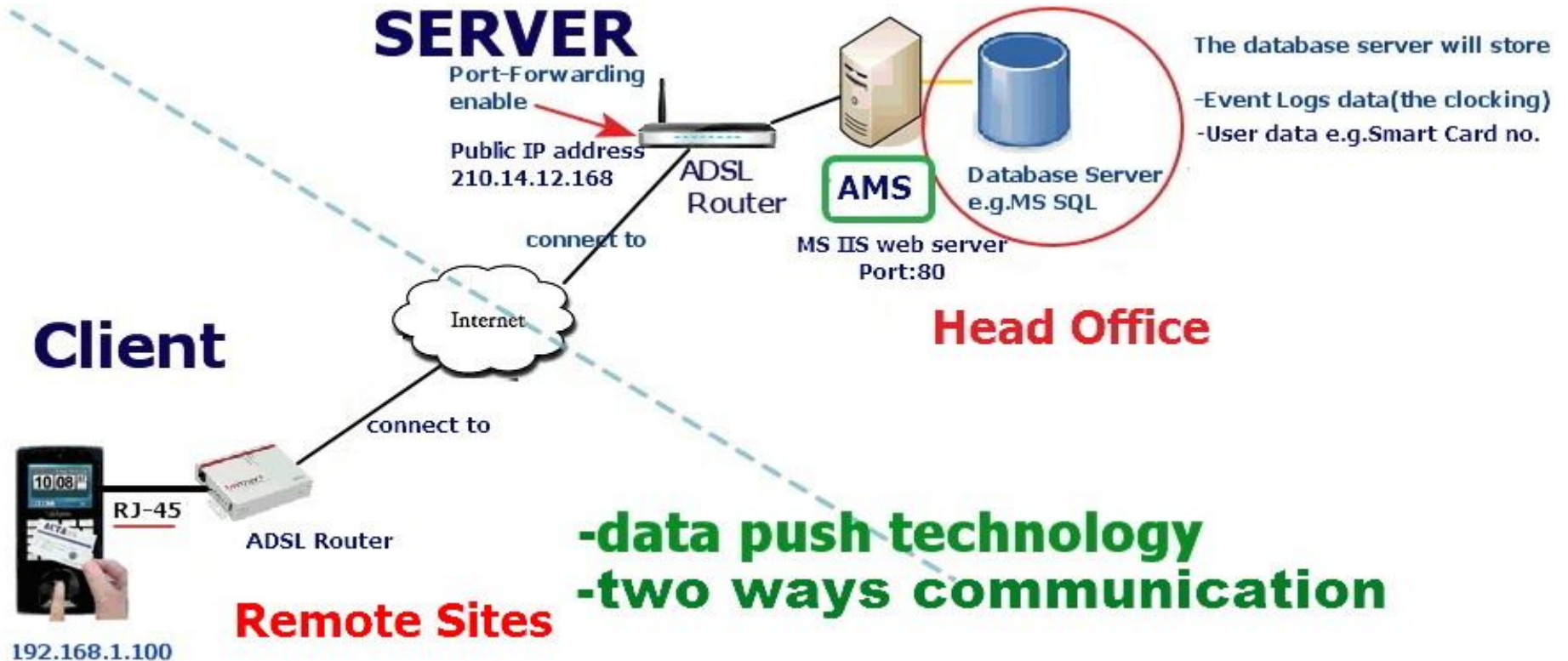
C.AMS API (push method)

➤ 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.

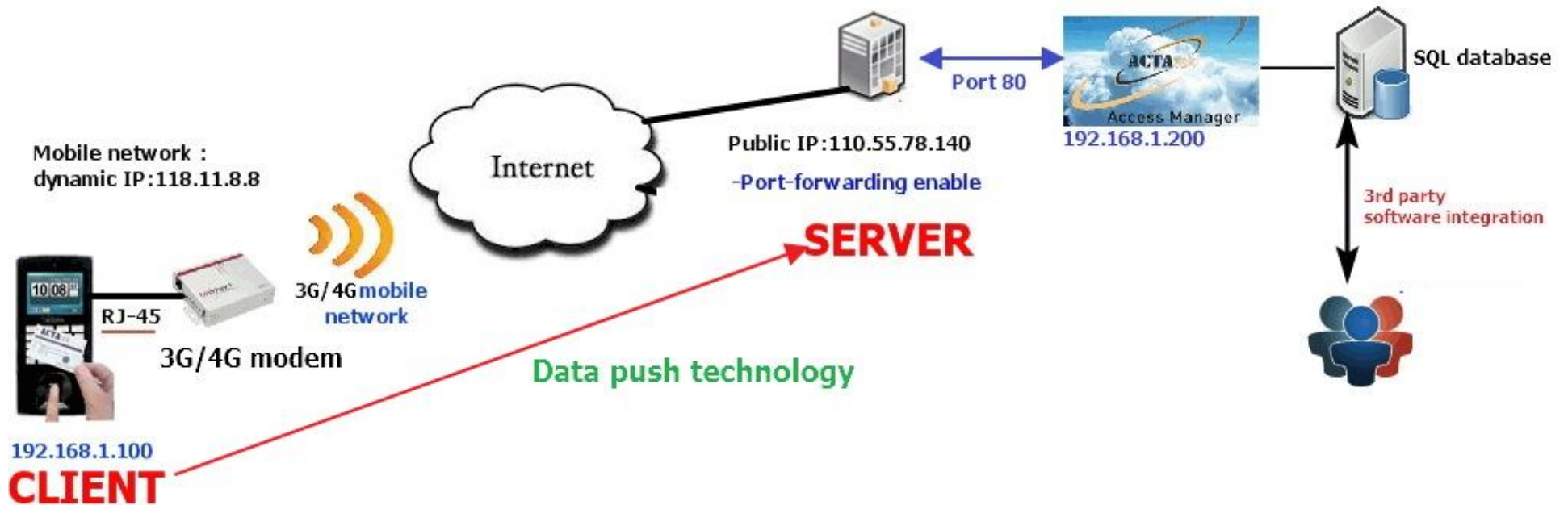
After that, the client can integrate their software with AMS database.



Push and Pull data to AMS Database



Mobile Network Push and Pull data to AMS Database



AMS Database

dbo.access_event_logs

```

    , [PHOTOSIZE]
    , [RELOGDTM]
    , [RELOGFROMIP]
    , [LOCALTIMESTAMP]
    , [PhotoPath]
FROM [Test4].[dbo].[access_event_logs]

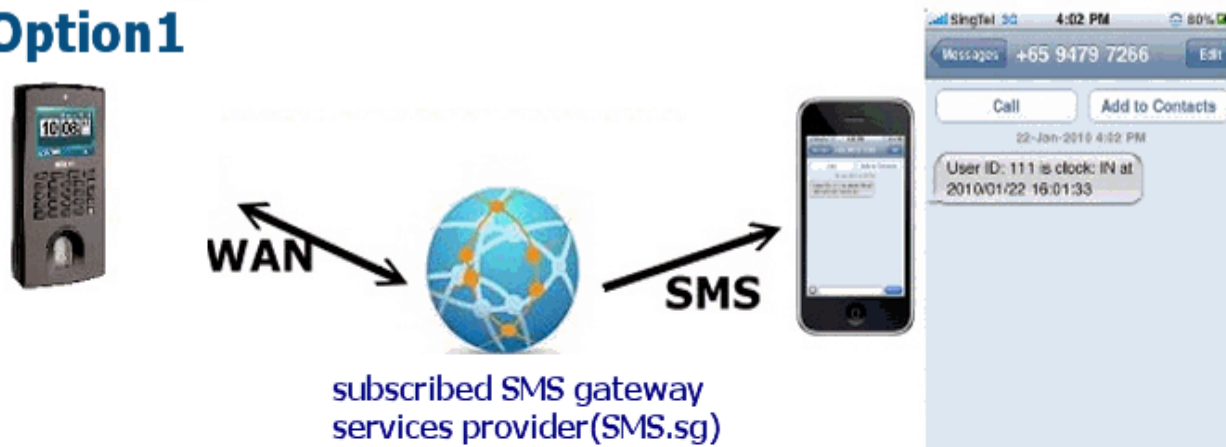
```

Registered User ID Event Logs received from ACTAbek device (UTC time) Trigger name Accessed by FP/PIN or SC, including CSN of Smart Card Captured snapshot photo (long binary data) Access Manager convert to PC timezone setting(GMT+8)

id	USERID	DEPAR...	TIMESTAMPS	EVENTID	TERMINALSN	ACCESSMETHOD	REMARKS	TERMINALIP	PHOTO	PHO...	RELOGDTM	RELOGFROMIP	LOCALTIMESTAMP	Phc
457	A177	General	2012-08-05 06:50:43.000	IN	00111DA040AD	SMC(SN:EEB3CC9A)	#SMC(SN:EEB3CC9A)#	00111DA040AD	0xFFD8FFFE002448...	12768	2012-08-05 14:50:50.000	192.168.11.100	2012-08-05 14:50:43.000	NU
458	A177	General	2012-06-29 17:31:35.000	IN	00111DA00021	SMC(SN:EEB3CC9A)	#SMC(SN:EEB3CC9A)#	00111DA00021	NULL	0	2012-08-05 14:51:00.000	192.168.11.200	2012-06-30 01:31:35.000	NU
459	A123	General	2012-08-08 03:06:01.000	F2	00111DA040AD	FP	#FP#	00111DA040AD	0xFFD8FFFE00244A...	12036	2012-08-08 11:06:09.000	192.168.11.100	2012-08-08 11:06:01.000	NU
460	A123	General	2012-08-08 03:21:35.000	IN	00111DA040AD	FP	#FP#	00111DA040AD	0xFFD8FFFE002498...	12296	2012-08-08 11:21:43.000	192.168.11.100	2012-08-08 11:21:35.000	NU
461	A123	General	2012-08-08 03:22:04.000	OUT	00111DA040AD	FP	#FP#	00111DA040AD	0xFFD8FFFE002413...	12720	2012-08-08 11:22:10.000	192.168.11.100	2012-08-08 11:22:04.000	NU
462	A999		2012-08-08 03:28:23.000	REMOTE-DOOR...	00111DA040AD	RDOOR	#RDOOR#	00111DA040AD	0xFFD8FFFE002471...	12096	2012-08-08 11:28:31.000	192.168.11.100	2012-08-08 11:28:23.000	NU
463	A999		2012-08-08 03:56:10.000	CASE-IS-OPENED	00111DA040AD	RDOOR	#RDOOR#	00111DA040AD	NULL	0	2012-08-08 11:56:19.000	192.168.11.100	2012-08-08 11:56:10.000	NU
464	A999		2012-08-08 03:56:11.000	CASE-IS-CLOSED	00111DA040AD	RDOOR	#RDOOR#	00111DA040AD	NULL	0	2012-08-09 12:10:55.000	192.168.11.100	2012-08-08 11:56:11.000	NU
465	A123	General	2012-08-09 04:10:44.000	IN	00111DA040AD	FP	#FP#	00111DA040AD	0xFFD8FFFE00240F...	12544	2012-08-09 12:10:56.000	192.168.11.100	2012-08-09 12:10:44.000	NU
466	Unknown User		2012-08-09 04:13:49.000	REJECTED	00111DA040AD	SMC(SN:6CAEBA21)	#SMC(SN:6CAEBA21)#	00111DA040AD	0xFFD8FFFE002470...	12860	2012-08-09 12:13:55.000	192.168.11.100	2012-08-09 12:13:49.000	NU
467	Unknown User		2012-08-09 04:13:53.000	REJECTED	00111DA040AD	SMC(SN:6CAEBA21)	#SMC(SN:6CAEBA21)#	00111DA040AD	0xFFD8FFFE0024FF...	12688	2012-08-09 12:13:59.000	192.168.11.100	2012-08-09 12:13:53.000	NU
468	Unknown User		2012-07-03 14:54:48.000	REJECTED	00111DA00021	SMC(SN:6CAEBA21)	#SMC(SN:6CAEBA21)#	00111DA00021	NULL	0	2012-08-09 12:14:02.000	192.168.11.200	2012-07-03 22:54:48.000	NU
469	Unknown User		2012-08-09 04:14:29.000	REJECTED	00111DA040AD	SMC(SN:6CAEBA21)	#SMC(SN:6CAEBA21)#	00111DA040AD	0xFFD8FFFE00242C...	12788	2012-08-09 12:14:34.000	192.168.11.100	2012-08-09 12:14:29.000	NU
470	Unknown User		2012-08-09 04:15:28.000	REJECTED	00111DA040AD	SMC(SN:CC45B621)	#SMC(SN:CC45B621)#	00111DA040AD	0xFFD8FFFE002498...	12452	2012-08-09 12:15:34.000	192.168.11.100	2012-08-09 12:15:28.000	NU
471	Unknown User		2012-07-03 14:56:22.000	REJECTED	00111DA00021	SMC(SN:CC45B621)	#SMC(SN:CC45B621)#	00111DA00021	NULL	0	2012-08-09 12:15:36.000	192.168.11.200	2012-07-03 22:56:22.000	NU
472	Unknown User		2012-08-09 04:15:32.000	REJECTED	00111DA040AD	SMC(SN:6CAEBA21)	#SMC(SN:6CAEBA21)#	00111DA040AD	0xFFD8FFFE002484...	12840	2012-08-09 12:15:38.000	192.168.11.100	2012-08-09 12:15:32.000	NU
473	Unknown User		2012-07-03 14:56:28.000	REJECTED	00111DA00021	SMC(SN:6CAEBA21)	#SMC(SN:6CAEBA21)#	00111DA00021	NULL	0	2012-08-09 12:15:42.000	192.168.11.200	2012-07-03 22:56:28.000	NU
474	A123	General	2012-08-09 04:30:58.000	F1	00111DA040AD	FP	#FP#	00111DA040AD	0xFFD8FFFE00240F...	13036	2012-08-09 12:31:03.000	192.168.11.100	2012-08-09 12:30:58.000	NU

D.SMS/Email integration

Option1



Option2



Thank you



Jakin



ID Management