

# GuardPoint Pro XML APIs

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# GuardPoint Pro XML APIs

## Introduction

This document is dedicated to explain the existing XML API of GuardPoint Pro

It allows an easy integration with Sensor Access control and alarm monitoring software called GuardPoint Pro.

This means that an external application could

- receive many information from GuardPoint Pro such as online events of access control system's (Access granted, Access denied, Start of Alarm, ... )
- and act on Access control system's by
  - o Creating cardholders
  - o Manages doors status, and relays status (Open a door for a while, open constantly, close constantly, or return to default status)
  - o Manage alarm status (disarm a zone / input group)
  - o Executing existing actions and processes of GuardPoint Pro
  - o Login / Logoff
  - o User interface (messages on screen)
  - o Download configuration to controllers (that may be updated directly in DB by an external application)

GuardPoint Pro has also other integration gateway such as

- OPC
- ModbusTCP
- Wizcon

GuardPoint Pro has existing integration with

- Visitor management application (Telemaque [www.safeware.fr](http://www.safeware.fr) )
- Windows account management (ISLOG [www.islog.eu](http://www.islog.eu) )
- LPR (Zamir)
- Outdoor Perimeter Security Systems ([www.magal.co.il](http://www.magal.co.il))
- Integration with RFID Readers on Pocket PC/PDA (External Events)
- Reception of ONSSI Video Systems alarms (External Events)

The document is based on GuardPoint Pro Version 1.8.003 (June 2008)

Most of the commands are supported in previous versions, but in order to simplify we will only work on the basis of the actual version.

The communication with GuardPoint Pro is done by a communication engine called "Spread". For more information about Spread, see [www.spread.org](http://www.spread.org)

# GuardPoint Pro XML APIs

## How to send commands

SpreadCmd (for command without answer only)

Target : D:\DEV\GuardPoint Pro\SpreadCmd.exe DANIEL <perform><cmd>DisplayMessage</cmd><param><query><Param1> Hi, How are you? </Param1></query></param></perform>

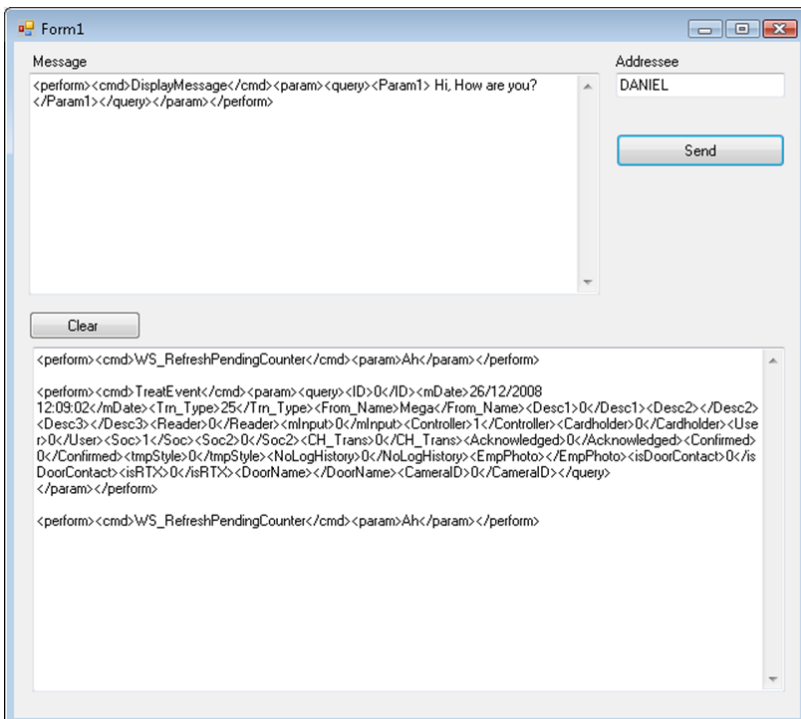
Where DANIEL is the PC Name

And GuardPoint Pro should be running

XMLAPISample

See the project source code in VB.NET to see how to connect to Spread and send and receive XML message.

Note that GuardPoint Pro should already be running.



Form1

Message

```
<perform><cmd>DisplayMessage</cmd><param><query><Param1> Hi, How are you? </Param1></query></param></perform>
```

Addressee

DANIEL

Send

Clear

```
<perform><cmd>WS_RefreshPendingCounter</cmd><param>Ah</param></perform>
<perform><cmd>TreatEvent</cmd><param><query><ID></ID><mdDate>26/12/2008
12:09:02</mdDate><Tm_Type>25</Tm_Type><From_Name>Mega</From_Name><Desc1></Desc1><Desc2></Desc2>
<Desc3></Desc3><Reader></Reader><mlnput></mlnput><Controller>1</Controller><Cardholder></Cardholder><Use
n></User><Soc>1</Soc><Soc2></Soc2><CH_Trans></CH_Trans><Acknowledged></Acknowledged><Confirmed>
0</Confirmed><tmpStyle></tmpStyle><NoLogHistory></NoLogHistory><EmpPhoto></EmpPhoto><isDoorContact></is
DoorContact><isRT></isRT><DoorName></DoorName><CameraID></CameraID></query>
</param></perform>
<perform><cmd>WS_RefreshPendingCounter</cmd><param>Ah</param></perform>
```

The example uses a DLL (libtspd.dll) compiled for Windows platform.

For other platforms, please visit [www.spread.org](http://www.spread.org) or specifically the page on supported platforms [www.spread.org/SpreadPlatforms.html](http://www.spread.org/SpreadPlatforms.html) (Linux, Mac ...).

Note the spread version used by GuardPoint Pro is version 3.17.

GuardPoint Pro build the conf file and start the spread daemon on its computer, from the definitions of PCs in GuardPoint Pro software.

If you need to work from another PC, there are 2 solutions

- Run a local daemon and connect to you local daemon (4803@localhost)
- Do not run any local daemon and connect to GuardPoint Pro PC daemon by connecting to 4803@<PCName or IP of GuardPoint Pro PC>

# GuardPoint Pro XML APIs

## How to receive events / messages

In previous versions of GuardPoint Pro, it was enough to listen to group “gui” to receive all type of events from any sites.

From version 1.8.206, we add an optimization that separate the unique listen group in many groups.

Now each client should listen to the followings groups names

ag\_<Site ID> for Access granted

ot\_<Site ID> for other type of events

dp\_<Site ID> for debug info

where Site ID is the site ID (from table SOC)

io\_<ServerID> for IO dynamic status

Where Server ID is the ID of the server (from table PC).

XML Structure

All XML Sent to and from GuardPoint Pro has the following Structure

```
<perform>
<cmd>Name of the Command</cmd>
<param>
<query>
<Argument1>Value1</Argument1>
<Argument2>Value2</Argument2>
<Argument3>Value3</Argument3>
...
<ArgumentN>ValueN</ArgumentN>
</query>
</param>
</perform>
```

The Cmd define the command name

The param contains a list of arguments

# GuardPoint Pro XML APIs

## Methods

### ChangeUserLogin

Send a request to change the user logged in by another one with the user name and password.

Syntax

Cmd: ChangeUserLogin

Parameters:

CmdLine=/us=UserName /pw=password

Where UserName and Password are the credential used in Login screen of GuardPoint Pro.

Example

```
<perform><cmd>ChangeUserLogin</cmd><param><query><CmdLine>/us=1000/pw=2000</CmdLine></query></param></perform>
```

### OpenScreen

Send a request to open a screen.

The command supports selecting

- on which record,
- on which tab
- and the screen size (Normal, minimize, or maximize).

Syntax

Cmd: OpenScreen

Parameters:

Param1 ScreenID (Cf Appendix A)

Param3= MinMax (0= Normal, 1=Minimized, 2 Maximized)

Param4= Only for Display Photo screen

onRecordID= on which record ID

onTabNumber= on which tab number (starting from 0)

Example:

```
<perform><cmd>OpenScreen</cmd><param><query><Param1>ID_Cardholders</Param1><Param3>0</Param3><Param4>0</Param4><onRecordID>0</onRecordID><onTabNumber>0</onTabNumber></query></param></perform>
```

Cf Appendix A (Screens ID) to get all the parameter according to the screen you want to open.

# GuardPoint Pro XML APIs

## PreviewVideo

Send a request to preview a camera live video with the db\_CameraID (cf Appendix B).

Syntax

Cmd: PreviewVideo

Parameters:

Param1 = db\_CameraID (cf Appendix B)

Note that this command should be sent to the PC name (in uppercase) where we want the display video to be open.

Example:

```
<perform><cmd>PreviewVideo</cmd><param><query><Param1>1</Param1></query></param></perform>
```

## PreviewReport

Send a request to preview an existing report with the report full name.

Syntax

Cmd: PreviewReport

Parameters:

Param1 = report full name with path

Example:

```
<perform><cmd>PreviewReport</cmd><param><query><Param1>D:\DEV\GuardPoint ProAPI\Reports\Last report.rpx</Param1></query></param></perform>
```

## DisplayMessage

Send a request to display a message box with the text.

Syntax

Cmd: DisplayMessage

Parameters:

Param1 = message text

Example:

```
<perform><cmd>DisplayMessage</cmd><param><query><Param1> Hi, How are you? </Param1></query></param></perform>
```



# GuardPoint Pro XML APIs

## MenuPrint (InsertTextinLog)

Send a request to insert message in the Log windows of GuardPoint Pro.

Syntax:

Cmd: MenuPrint

Parameters:

st = message text

Soc = 1 by default. Use to filter information on Multi site / Multi company installation only

mStyle = Event Type. Will be display with the same color as defined for the event specified

JustinLog (Not used)

inViewPhotoAlso (Not used)

Example:

```
<perform><cmd>MenuPrint</cmd><param><query><st>Hi, How are you ? </st><Soc>1</Soc><mStyle>0</mStyle><JustinLog>0</JustinLog><inViewPhotoAlso>0</inViewPhotoAlso></query></param></perform>
```

## FloodUpdateText (InsertTextinStatusBar)

Send a request to insert message in the status bar and set the percent of the progress bar.

Syntax:

Cmd: FloodUpdateText

Parameters:

pb = percentage number (0-100)

st = message text

srv (Not used)

Example:

```
<perform><cmd>FloodUpdateText</cmd><param><query><srv></srv><pb>50</pb><st>Hi, How are you ? </st></query></param></perform>
```

## PlaySound

Send a request to play a sound file with the full path of the sound file.

Syntax:

Cmd: PlaySound

Parameters:

Param1= sound file full name with path

Example:

```
<perform><cmd>PlaySound</cmd><param><query><Param1>C:\Windows\Media\Windows Notify.wav</Param1></query></param></perform>
```

# GuardPoint Pro XML APIs

## **ExecuteAction**

Send a request to execute an existing action with db\_ActionID (cf Appendix B).

Syntax:

Cmd: ExecuteAction

Parameters:

pID = db\_ActionID (cf Appendix B)

Example:

```
<perform><cmd>ExecuteAction</cmd><param><query><pID>1</pID></query></param></perform>
```

## **ExecuteProcess**

Send a request to preview an existing process with db\_ProcessID (cf Appendix B)

Syntax:

Cmd: ExecuteProcess

Parameters:

pID = db\_ProcessID (cf Appendix B)

Example:

```
<perform><cmd>ExecuteProcess</cmd><param><query><pID>1</pID></query></param></perform>
```

## **CC\_RecreateMemoryTables (RecreateMemoryTables)**

Send a request to initialize an existing controller db\_ControllerID (cf Appendix B) with recreation of memory tables.

Syntax:

Cmd: CC\_RecreateMemoryTables

Parameters:

CtrlID = db\_ControllerID (cf Appendix B)

ReStartPolling =

WantClearMemory =

Example:

```
<perform><cmd>CC_RecreateMemoryTables</cmd><param><query><CtrlID>db_ControllerID</CtrlID><ReStartPolling>0</ReStartPolling><WantClearMemory>1</WantClearMemory></query></param></perform>
```



# GuardPoint Pro XML APIs

## **ActivateRelay (SetRelayState)**

Send a request to modify the relay state with the db\_OutputID (cf Appendix B). Activate relay is only to activate a relay few seconds

Syntax:

Cmd: ActivateRelay

Parameters:

OutputID = db\_OutputID (cf Appendix B)

Delay = x seconds (1 to 120 seconds)

Example: to activate relay ID 1 during 3 sec:

```
<perform><cmd>ActivateRelay</cmd><param><query><OutputID>1</OutputID><Delay>3</Delay></query></param></perform>
```

## **OutputAction (SetRelayState)**

Send a request to modify the relay state with the db\_OutputID (cf Appendix B). OutputAction is used to set a relay state that remain permanently (until next change).

Syntax:

Cmd: OutputAction

Parameters:

OutputID = db\_OutputID (cf Appendix B)

Action = action code

1 for normal mode

6 for constant on

7 for constant off

Example: to activate relay ID 1 constant on:

```
<perform><cmd>OutputAction</cmd><param><query><OutputID>1</OutputID><Action>6</Action></query></param></perform>
```

Note this command update also the latest state of the relay in GuardPoint Pro.

This command allows to control doors relays and other output (e.g. alarm siren)

# GuardPoint Pro XML APIs

## **ActivateInput (SetInputState)**

Send a request to modify the Input state with the db\_InputID (cf Appendix B). ActivateInput is used to pulse the input few seconds.

Syntax:

Cmd: ActivateInput

Parameters:

InputID = db\_InputID (cf Appendix B)

Delay = multiple x 200ms (1 to 255 x 200 ms)

Example: to pulse input ID 1 during delay of 200 ms:

```
<perform><cmd>ActivateInput</cmd><param><query><InputID>1</InputID><Delay>1</Delay></query></param></perform>
```

## **ActivateDeactiveInput (SetInputState)**

Send a request to modify the Input state with the db\_InputID (cf Appendix B). ActivateDeactiveInput is used to is used to set a input state that remain permanently (until next change).

Syntax:

Cmd: ActivateDeactiveInput

Parameters:

InputID = db\_InputID (cf Appendix B)

CodeAction = action code

0 for Normal mode

8 for Deactivated

9 for Activated

Example: to deactivate input ID 1:

```
<perform><cmd>ActivateDeactiveInput</cmd><param><query><InputID>1</InputID><CodeAction>8</CodeAction></query></param></perform>
```

This command allows to control alarms sensors to be arm or not.

# GuardPoint Pro XML APIs

## ActiveDeactiveInputGroup (SetInputGroupState)

Send a request to modify the Input group state (Deactivate / Force activate the input group) with the db\_InputGroupID (cf Appendix B).

Syntax:

Cmd: ActiveDeactiveInputGroup

Parameters:

InputGroupID = db\_InputGroupID (cf Appendix B)

InputGroupMode = action code

9 for Disarm during x seconds

10 for Disarm during x minutes

11 for Constant deactivated

12 for Return to normal mode (Cancel previous delay)

13 for Disarm until next time zone

14 for Activate during x seconds

15 for Activate during x minutes

16 for Constant activated

17 for Normal to normal mode (Cancel previous delay)

18 for Arm until next time zone

Delay = x seconds (1 to 60 seconds, 1-191 minutes)

Example: To disarm the input group 1 during 30 seconds

```
<perform><cmd>ActiveDeactiveInputGroup</cmd><param><query><InputGroupID>1</  
InputGroupID><InputGroupMode>9</InputGroupMode><Delay>30</Delay></query></param></perform>
```

Example: To arm the input group 1 during 15 minutes

```
<perform><cmd>ActiveDeactiveInputGroup</cmd><param><query><InputGroupID>1</  
InputGroupID><InputGroupMode>15</InputGroupMode><Delay>10</Delay></query></param></perform>
```

This command allows to control alarm zones (defined as group of inputs) to be arm or not.

# GuardPoint Pro XML APIs

## Methods with answer

### GetTimeDate

Send a request to get the time and date of a controller db\_ControllerID (cf Appendix B).

Syntax:

Cmd: GetTimeDate

Parameters:

CtrlID = db\_ControllerID (cf Appendix B)

SyncID = as the answer is return asynchronously, we define an number in the question that is returned in the answer to know the link between the answer and the question.

AnswerID contains in myID the group to whom the GuardPoint Pro server should answer. (We recommend to make such a group per PC)

Example:

Sent to GuardPoint Pro:

```
<perform><cmd>GetTimeDate</cmd><param><query><CtrlID>1</CtrlID><SyncID>8</SyncID><AnswerID  
myID="API_DANIEL" /></query></param></perform>
```

Response from GuardPoint Pro:

```
<perform><cmd>syncGetResult</cmd><param><query><SyncID>8</SyncID><Answer>16/12/2008 15:53:50</  
Answer></query></param></perform>
```



# GuardPoint Pro XML APIs

## GetHardwareVersion

Send a request to get the hardware version of a controller db\_ControllerID (cf Appendix B). It returns a string. For more information, consult the TPL User Manual.

Syntax:

Cmd: GetHardwareVersion

Parameters:

CtrlID = db\_ControllerID (cf Appendix B)

SyncID = see GetTimeDate explanation

AnswerID = see GetTimeDate explanation

To understand the string return, please consult the TPL user manual.

Example:

Sent to GuardPoint Pro:

```
<perform><cmd>GetHardwareVersion</cmd><param><query><CtrlID>1</CtrlID><SyncID>5</SyncID><AnswerID myID="API_DANIEL" /></query></param></perform>
```

Response from GuardPoint Pro:

```
<perform><cmd>syncGetResult</cmd><param><query><SyncID>5</SyncID><Answer>09 00 61 61 00 00 01 10 C7 07 </Answer></query></param></perform>
```

## GetFirmwareVersion

Send a request to get the firmware version of a controller db\_ControllerID (cf Appendix B). It returns the Eprom date and checksum.

Syntax:

Cmd: GetFirmwareVersion

Parameters:

CtrlID = db\_ControllerID (cf Appendix B)

SyncID = see GetTimeDate explanation

AnswerID = see GetTimeDate explanation

The returned string is the date and check sum of the firmware.

Example:

Sent to GuardPoint Pro:

```
<perform><cmd>GetFirmwareVersion</cmd><param><query><CtrlID>1</CtrlID><SyncID>4</SyncID><AnswerID myID="API_DANIEL" /></query></param></perform>
```

Response from GuardPoint Pro:

```
<perform><cmd>syncGetResult</cmd><param><query><SyncID>4</SyncID><Answer>10/07/08 3782</Answer></query></param></perform>
```



## GuardPoint Pro XML APIs

### GetMemoryOccupation

Send a request to get the memory occupation of a controller db\_ControllerID (cf Appendix B).  
It returns the number of cardholders stored in the controller memory.

Syntax:

Cmd: GetMemoryOccupation

Parameters:

CtrlID = db\_ControllerID (cf Appendix B)

SyncID = see GetTimeDate explanation

AnswerID = see GetTimeDate explanation

Example:

Sent to GuardPoint Pro:

```
<perform><cmd>GetMemoryOccupation</cmd><param><query><CtrlID>1</CtrlID><SyncID>6</SyncID><AnswerID myID="API_DANIEL" /></query></param></perform>
```

Response from GuardPoint Pro:

```
<perform><cmd>syncGetResult</cmd><param><query><SyncID>6</SyncID><Answer>9</Answer></query></param></perform>
```

### isPollingNow

Send a request to know if currently we are polling or not the controllers.

It returns True/False.

Syntax:

Cmd: GetMemoryOccupation

Parameters:

CtrlID = db\_ControllerID (cf Appendix B)

SyncID = see GetTimeDate explanation

AnswerID = see GetTimeDate explanation

Example:

Sent to GuardPoint Pro:

```
<perform><cmd>isPollingNow</cmd><param><query><SyncID>7</SyncID><AnswerID myID="API_DANIEL" /></query></param></perform>
```

Response from GuardPoint Pro:

```
<perform><cmd>syncGetResult</cmd><param><query><SyncID>7</SyncID><Answer>1</Answer></query></param></perform>
```

# GuardPoint Pro XML APIs

## StartPolling

Send a request to Start Polling the controllers.

This command update the polling queues, it adds new controllers or remove controllers have been set as not active.

You can specify a specific controller or network. Without defining any controller (CtrlID = 0), it starts the communication polling with all the controllers.

Syntax:

Cmd: StartPolling

Parameters:

CtrlID = db\_ControllerID (cf Appendix B)

NetID = db\_NetwokID (cf Appendix B)

SyncID = see GetTimeDate explanation

AnswerID = see GetTimeDate explanation

Example:

```
<perform><cmd>StartPolling</cmd><param><query><CtrlID>0</CtrlID><NetID>0</NetID><SyncID>2</SyncID><AnswerID myID="API_DANIEL" /></query></param></perform>
```

Note that we send a SyncID even if we do not require a answer in order to force GuardPoint Pro to finish this request before processing another request.

## StopPolling

Send a request to Stop Polling the controllers.

You can specify a specific controller. Without defining any controller (CtrlID = 0), it stops all the communication polling with the controllers.

Syntax:

Cmd: StopPolling

Parameters:

CtrlID = db\_ControllerID (cf Appendix B)

SyncID = see GetTimeDate explanation

AnswerID = see GetTimeDate explanation

Example:

```
<perform><cmd>StopPolling</cmd><param><query><CtrlID>0</CtrlID><SyncID>3</SyncID><AnswerID myID="API_DANIEL" /></query></param></perform>
```

Note that we send a SyncID even if we do not require a answer in order to force GuardPoint Pro to finish this request before processing another request.

# GuardPoint Pro XML APIs

## ImportCardholder

Send a request to import a cardholder in the database and inform the controllers. This allows adding, updating or deleting cardholders.

Syntax:

Cmd: ImportOneCardHolderXML

Parameters:

SyncID = see GetTimeDate explanation

AnswerID = see GetTimeDate explanation

Number =

Last\_Name = name of the cardholder

First\_Name = first name

Type

0 for Cardholder

1 for Visitor

2 for Guard

3 for Deleted

Badge = badge code (most of the time 8 digits)

Technology

1 for Magnetic

2 for BarCode

3 for Wiegand

4 for Wiegand2

5 for WiegandKeypad

6 for BioSmartCard

7 for Touch

8 for Radio

Photo = file name of the picture

Department = name of the department

Office\_Phone

Access\_Group= name of the access groups (separated with ;)

PIN\_code = 4 digits

From\_Date

To\_Date

Validated = 1 for True, 0 for False

Street

City

ZIP

Supervisor

Label\_1

Label\_2

Label\_3

Label\_4

Company

Lift\_Program = name of lift Program

Parking\_Users\_Group = name of Parking User Group

MultiSite\_Type

0 for Local

1 for Shared

2 for Global

Site = name of the site

Personal\_WP = name of the Weekly Program

Personal\_CL= value of the Crisis Level 0-7

Keep\_card\_on\_motorized\_reader = 1 for True, 0 for False

No\_APB = 1 for True, 0 for False

No\_access\_during\_holidays = 1 for True, 0 for False

Reset\_APB = 1 for True, 0 for False

Need\_Escort = 1 for True, 0 for False

Badge\_Printing\_Layout

Visited\_person

Visited\_person\_location

Visit\_purpose

Eye\_Color = This field is an example of Customized Fields. They should be added in the XML in order to import them.

# GuardPoint Pro XML APIs

## Example:

Sent to GuardPoint Pro:

```
<perform><cmd>ImportOneCardHolderXML</
cmd><param><query>
<SyncID>17</SyncID>
<AnswerID myID="API_DANIEL" />
<Number>Dir784</Number>
<Last_Name>Smith</Last_Name>
<First_Name>John</First_Name>
<Type>1</Type>
<Badge>12345678</Badge>
<Technology>3</Technology>
<Photo></Photo>
<Department></Department>
<Office_Phone></Office_Phone>
<Access_Group>Anytime Anywhere</Access_Group>
<PIN_code></PIN_code>
<From_Date>01/01/2008 08:00:00</From_Date>
<To_Date></To_Date>
<Validated>1</Validated>
<Street></Street>
<City></City>
<ZIP></ZIP>
<Personal_Phone>
</Personal_Phone>
```

```
<Description></Description>
<Car_Number></Car_Number>
<ID></ID>
<Supervisor>1</Supervisor>
<Label_1></Label_1>
<Label_2></Label_2>
<Label_3></Label_3>
<Label_4></Label_4>
<Company></Company>
<Lift_Program></Lift_Program>
<Parking_Users_Group></Parking_Users_Group>
<MultiSite_Type>0</MultiSite_Type>
<Site></Site>
<Personal_WP></Personal_WP>
<Personal_CL>0</Personal_CL>
<Keep_card_on_motorized_reader>1</
Keep_card_on_motorized_reader>
<No_APB>1</No_APB>
<No_access_during_holidays>1</No_access_during_holidays>

<Reset_APB>1</Reset_APB>
<Need_Escort>1</Need_Escort>
<Badge_Printing_Layout></Badge_Printing_Layout>
<Visited_person></Visited_person>
<Visited_person_location></Visited_person_location>
<Visit_purpose></Visit_purpose>
<Eye_Color>Blue</Eye_Color>
</query></param></perform>
```

## Response from GuardPoint Pro:

The answer contains the result:

```
0 for UpdateSuccessfully
1 for InsertSuccessfully
10 for MandatoryFieldMissing
11 for UpdateFailed
12 for InsertFailed
13 for AuthorisationExceeded
14 for CannotChangeGuard
15 for DuplicateName
16 for CardHolderDeleted
17 for BadgeCodeNotOK
```

The import creates

- the cardholder,
- the badge,
- the access group if not found,
- the department if not found,
- the lift program if not found,
- the parking user group if not found,
- the personal weekly program if not found

It supports

- Multiple Access Group (use ; to separate the names of the access group)
- Dynamic Fields
- Multi site fields

For more details about the import, consult the user manual of GuardPoint Pro about import profiles.

# GuardPoint Pro XML APIs

## Events

### TreatEvent

Wake up the application when information to be displayed in Log windows arrives.

Syntax:

Cmd: TreatEvent

Parameters:

SyncID = see GetTimeDate explanation

AnswerID = see GetTimeDate explanation

Trn\_Type = Transaction type (see Appendix C)

	<i>Access granted</i>	<i>Access denied</i>	<i>Unknown Card</i>	<i>Start of Alarm</i>	<i>End of Alarm</i>	<i>Technical Alarm</i>
ID	db_TableLOG_ID (cf Appendix B)					
mDate	Date of the event					
Trn_Type	1-2	3-4	61-63	10	11	22-29
From_Name	Reader name			Input Name		Controller name
Desc1	Transaction code		255	0 if immediate 1 if delayed	2	0
Desc2	Denied Reasons (see Appendix D)		0	Null		
Desc3	Cardholder name		Card code	Null		
EmpPhoto	Filename of the employee photo			"Bus2" if comes from Alarm priority bus		
NoLogHistory				1 if True, 0 if False		
isDoorContact				1 if True, 0 if False		
isRTX				1 if True, 0 if False		
DoorName				Reader name if RTX or Door contact		
Reader	db_ReaderID (cf Appendix B)]			0		



# GuardPoint Pro XML APIs

mInput	1 if escort else 0	db_InputID (cf Appendix B)	0
Controller	db_ControllerID (cf Appendix B)		
Cardholder	db_CardholderID (cf Appendix B)	0	0
User	0 in these case, db_UserID (cf Appendix B) for Login ..		
SOC	db_SocID (cf Appendix B)		
CH_Trans	Not used		
Acknowledged			
Confirmed			
tmpStyle			
Soc2	0 (useful only for multi company sites)		
CameraID	db_CameraID (cf Appendix B)		

## Examples:

```
<perform><cmd>TreatEvent</cmd><param><query><ID>0</ID><mDate>16/12/2008 14:40:57</mDate><Trn_Type>1</Trn_Type><From_Name>Rdr01 / Mega</From_Name><Desc1>0</Desc1><Desc2>0</Desc2><Desc3>Smith John 00000003</Desc3><Reader>1</Reader><mInput>0</mInput><Controller>1</Controller><Cardholder>4</Cardholder><User>0</User><Soc>1</Soc><Soc2>1</Soc2><CH_Trans>1</CH_Trans><Acknowledged>0</Acknowledged><Confirmed>0</Confirmed><tmpStyle>0</tmpStyle><NoLogHistory>0</NoLogHistory><EmpPhoto></EmpPhoto><isDoorContact>0</isDoorContact><isRTX>0</isRTX><DoorName></DoorName><CameraID>0</CameraID></query></param></perform>
```

16/12/08 14:40:57 Access Granted 'Smith John 00000003' From reader 'Rdr01 / IC4000'

```
<perform><cmd>TreatEvent</cmd><param><query><ID>0</ID><mDate>16/12/2008 14:41:47</mDate><Trn_Type>3</Trn_Type><From_Name>Rdr02 / Mega</From_Name><Desc1>0</Desc1><Desc2>8</Desc2><Desc3>Smith John 00000003</Desc3><Reader>2</Reader><mInput>0</mInput><Controller>1</Controller><Cardholder>4</Cardholder><User>0</User><Soc>1</Soc><Soc2>1</Soc2><CH_Trans>1</CH_Trans><Acknowledged>0</Acknowledged><Confirmed>0</Confirmed><tmpStyle>0</tmpStyle><NoLogHistory>0</NoLogHistory><EmpPhoto></EmpPhoto><isDoorContact>0</isDoorContact><isRTX>0</isRTX><DoorName></DoorName><CameraID>0</CameraID></query></param></perform>
```

16/12/08 14:41:47 Access Denied 'Smith John 00000003' From reader 'Rdr02 / IC4000' - Not Authorized at this time



## GuardPoint Pro XML APIs

```
<perform><cmd>TreatEvent</cmd><param><query><ID>0</ID><mDate>16/12/2008 14:53:02</mDate><Trn_Type>11</Trn_Type><From_Name>i05 / Mega</From_Name><Desc1>2</Desc1><Desc2></Desc2><Desc3></Desc3><Reader>0</Reader><mInput>5</mInput><Controller>1</Controller><Cardholder>0</Cardholder><User>0</User><Soc>1</Soc><Soc2>0</Soc2><CH_Trans>0</CH_Trans><Acknowledged>0</Acknowledged><Confirmed>0</Confirmed><tmpStyle>0</tmpStyle><NoLogHistory>0</NoLogHistory><EmpPhoto></EmpPhoto><isDoorContact>0</isDoorContact><isRTX>0</isRTX><DoorName></DoorName><CameraID>0</CameraID></query></param></perform>
```

**16/12/08 14:53:02 End of alarm From input 'i05 / IC4000'**

```
<perform><cmd>TreatEvent</cmd><param><query><ID>0</ID><mDate>16/12/2008 14:53:03</mDate><Trn_Type>10</Trn_Type><From_Name>i01 / Mega</From_Name><Desc1>0</Desc1><Desc2></Desc2><Desc3></Desc3><Reader>0</Reader><mInput>1</mInput><Controller>1</Controller><Cardholder>0</Cardholder><User>0</User><Soc>1</Soc><Soc2>0</Soc2><CH_Trans>0</CH_Trans><Acknowledged>0</Acknowledged><Confirmed>0</Confirmed><tmpStyle>0</tmpStyle><NoLogHistory>0</NoLogHistory><EmpPhoto></EmpPhoto><isDoorContact>1</isDoorContact><isRTX>0</isRTX><DoorName>Rdr01 / Mega</DoorName><CameraID>0</CameraID></query></param></perform>
```

**16/12/08 14:53:03 Start of Alarm From input 'i01 / Mega'- Immediate. Door forced 'Rdr01 / IC4000'**



# GuardPoint Pro XML APIs

## Appendix A: Screens ID

Screens ID	Description
ID_APBLevel	Anti Pass Back Level
ID_Area	Area
ID_Departement	Department
ID_Diagnostic	Diagnose
ID_Visitor	Visitor
ID_AccessGroup	Access Group
ID_Actions	Action
ID_Badge	Badge
ID_Cardholders	All Cardholders
ID_Computer	Computer
ID_Configuration	Customized Label
ID_Controllers	Controller
ID_Counters	Counter
ID_DailyProgram	Daily Program
ID_EventHandlingProgram	Event Handling Program
ID_GlobalReflex	Global Reflex
ID_InputGroup	Input Group
ID_OutputGroup	Output Group
ID_Holiday	Holiday
ID_Log	Active Alarms
ID_Network	Network
ID_Process	Process
ID_WeeklyProgram	Weekly Program
ID_ParkingDefinition	Parking Lot
ID_Company	Company / Site
ID_ZoneID	Parking User Group
ID_User	Users
ID_AuthorisationsLevels	Authorisation Levels
ID_Icons	Icons / Symbols

## GuardPoint Pro XML APIs

ID_Maps	Maps
ID_Positions	Position
ID_LiftAuthorisationGroups	Lift Authorisation group (only when Lift per Reader)
ID_LiftProgram	Lift program
ID_TimeAttendance	Roll Call
ID_CrisisLevel	Send a Crisis Level
ID_ExecuteProcess	Execute Process
ID_GuardDefinition	Guard Definition
ID_ViewPhoto	View Photo
ID_PatrolTour	Patrol Tour
ID_CheckPoint	Checkpoints
ID_PatrolStatus	Patrol status
ID_DisplayJournalSmall	Report wizard
ID_CreateagroupofBadges	Group of Badge
ID_ImportProfile	Import profiles
ID_CustomizedFields	Customized fields
ID_Camera	Camera
ID_Matrix	Matrix
ID_LocationStatus	Location Status

# GuardPoint Pro XML APIs

## Appendix B: Database Fields

### The database fields

db_ControllerID	Select ID, Name from Controller
db_ReaderID	Select ID, Name from Reader
db_InputID	Select ID, Name from [Input]
db_OuputID	Select ID, Name from [Output]
db_NetworkID	Select ID, Name from Network
db_SocID db_ReaderSocID db_CardHolderSocID	Select ID, Name from SOC
db_TableLOG_ID	Select ID from LOG
db_CardHolderID	Select ID, Last_Name & ' ' & First_Name as Name from CRDHLD
db_CameraID	Select ID, Name from Camera
db_InputGroupID	Select ID, Name from IGrp
db_ActionID	Select ID, Name from [Action]
db_ProcessID	Select ID, Name from Process

# GuardPoint Pro XML APIs

## Appendix C: Transaction Type

The TRN\_TYPE is describe in Param database in table Log\_Events:

1	Access Granted	90	Arrival
2	Access Granted + Duress code	91	Early Arrival
3	Access Denied	92	No arrival on time
4	Access Denied + unsuccessful successive trials	93	Late Arrival
10	Start of Alarm	94	Start guard tour
11	End of alarm	100	Scheduler
12	Line short	200	Initialize Controller
13	Line cut		
14	Status 1 (Analog Input)		
15	Status 2 (Analog Input)		
16	Status 3 (Analog Input)		
17	Status 4 (Analog Input)		
22	Table Error		
23	Low Battery		
24	Power Down		
25	Power Up		
26	Power Supply Failure (input PSF closed)		
27	Power Supply OK (input PSF opened)		
28	Box Opened (input MS opened)		
29	Box Closed (input MS closed)		
31	Communication OK		
32	Communication Error		
33	Satellite alarm		
3	Reader disconnected		
35	Reader connected		
40	User Acknowledgment		
50	User Confirmation		
51	User Comment		
61	Unknown Card		
62	Unknown card + unsuccessful successive trials		
63	Non Allocated Badge		
70	New record		
71	Save record		
72	Delete record		
81	Application Login		
82	Application Logout		



# GuardPoint Pro XML APIs

## Appendix D: Denied Reasons

The denied reasons is decimal value that indicate a combination of 8 reasons

If the value = 250 means Supervisor

If the value = 255 means Access Group

For other values, the value should be change in binary.

- 1 - wrong finger
- 2 - Wrong Keypad Code
- 4 - Full / Lock / No answer from Door
- 8 - Not Authorized at this time
- 16 - Anti-Pass Back
- 32 - Reader not allowed
- 64 - Site Code not ok
- 128 - Inhibited Cardholder

If escort

- 1 - Card Unknown
- 2 - Wrong Keypad Code
- 4 - No card after 10 sec
- 8 - Not Authorized at this time
- 16 - Anti-Pass Back
- 32 - Inhibited Cardholder
- 64 - Site Code not ok
- 128 - Escort not authorized