

Script Name:

## Paxton Net2 Integration

Script Type:

## Event Handler

### Overview

The purpose of this integration is to provide a seamless link between the Paxton Net2 database and the NMD3 database. Paxton is a market-leading security solution for a range of premises. Features that this script can perform are

- The bi-directional transfer of personnel between timeware<sup>®</sup> and Paxton Net2
- The bi-directional transfer of terminal policies between timeware<sup>®</sup> and Paxton Net2 (Access Levels in Paxton)
- The import of doors from Paxton Net2 to timeware<sup>®</sup>
- The import of bookings from Paxton Net2 to timeware<sup>®</sup>.
- Bi-directional synchronisation of departments between timeware<sup>®</sup> and Paxton Net2
- Import of "Door Groups" from Paxton Net 2 to timeware<sup>®</sup> (terminal groups)

### Dependencies

- Annual license to enable the link.
- A valid Paxton username/password dedicated to timeware<sup>®</sup>.
- An integration API license key from Paxton

### Operation Example

- Employee clocks on to the Paxton reader.
- That booking goes into the Paxton database as an access swipe
- timeware<sup>®</sup> script runs and collects that Paxton booking and assigns to the correct terminal.

### Configuration

- Assigned via the Event Handler task. We recommend this to be ran frequently so every 5 minutes or so.
- The valid API key needs to be placed into the script line INTEGRATION\_API\_CLIENT\_ID
- The valid Paxton Net2 username and password needs to be put into INTEGRATION\_API\_USERNAME and INTEGRATION\_API\_PASSWORD
- The API URL needs to be placed into INTEGRATION\_API\_URL
- The doors imported in to timeware<sup>®</sup> need to be NMD3 Integration Attendance and be unsuspending to be used.

## Explanation of notable fields

|   |  |
|---|--|
| <p>Private Const</p> <p>INTEGRATION_API_URL</p> <p>As String = "http://localhost:8080/api/v1"</p>               | <p>The API URL for Paxton. Determines where the link looks to collect data.</p>  |
| <p>Private Const</p> <p>INTEGRATION_API_CLIENT_ID</p> <p>As String = "f131a026-26a1-48e4-b451-d3ca3f74d864"</p> | <p>The API Integration key provided by Paxton. Mandatory.</p>  |
| <p>Private Const</p> <p>INTEGRATION_API_USERNAME</p> <p>As String = "System engineer"</p>                       | <p>The API username created via Paxton Net2. Its just a regular Paxton admin user</p>  |
| <p>Private Const</p> <p>INTEGRATION_API_PASSWORD</p> <p>As String = "timeware"</p>                              | <p>The API password in conjunction with the username.</p>  |
| <p>Private Const</p> <p>INTEGRATION_START_DATE</p> <p>As Date = DateSerial(2020, 6, 30) + TimeSerial(0,0,0)</p> | <p>The date by which you want to start collecting Paxton data. Note this example is set to 30/06/2021 so change as required.</p> |
| <p>Private Const</p> <p>DEPARTMENT_GROUPING_NUMBER</p> <p>As Long = 3</p>                                       | <p>The department category used in timeware®. Default is 3. Adjust according to customer.</p>                                    |
| <p>Private Const</p> <p>PROCESS_DEPARTMENTS_GET</p> <p>As Boolean = True</p>                                    | <p>True or false statement. Imports departments from Paxton Net2 into timeware®.</p>   |
| <p>Private Const</p> <p>PROCESS_DEPARTMENTS_SET</p> <p>As Boolean = True</p>                                    | <p>True or false statement. Exports departments from timeware® into Paxton Net2</p>  |
| <p>Private Const</p> <p>PROCESS_PERIPHERALS_GET</p> <p>As Boolean = True</p>                                    | <p>True or false statement. Map peripheral to terminals and can be associated with events/ swipes.</p>                           |
| <p>Private Const</p> <p>PROCESS_ACCESS_LEVELS_GET</p> <p>As Boolean = True</p>                                  | <p>True or false statement. Import Access Levels from Paxton into Terminal Policies in timeware®.</p>                            |

## Explanation of notable fields

|   |  |
|---|--|
| Private Const<br>PROCESS_ACCESS_LEVELS_SET<br>As Boolean = True | True or false statement. Export Terminal Policies from timeware® into Access Levels in Paxton Net2 |
| Private Const<br>PROCESS_PERSONNEL_GET<br>As Boolean = True     | True or false statement. Import Personnel from Paxton Net2 in to timeware®.                        |
| Private Const<br>PROCESS_PERSONNEL_SET<br>As Boolean = True     | True or false statement. Export Personnel from timeware® into Paxton Net2                          |
| Private Const<br>PROCESS_EVENTS_GET<br>As Boolean = True        | True or false statement. Import attendance bookings in to timeware®.                               |
| Private Const<br>PROCESS_DOORS_GROUPS_GET<br>As Boolean = False | True or false statement. Import terminal groups in to timeware®                                    |
| Private Const<br>PROCESS_DOORS_GET<br>As Boolean = False        | True or false statement. Import doors from Paxton Net2 in to timeware®.                            |