timeware®

HR, Time and Attendance Software

ON PREMISE SOFTWARE

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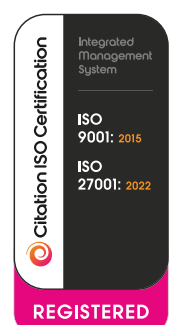
Dependencies

- Annual license to enable the link.
- A valid Paxton username/password dedicated to timeware®.
- 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® 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

Integrated Management System

ISO 9001: 2015
ISO 27001: 2022

Citation ISO Certification

REGISTERED

Certificate No: 491342025

CYBER ESSENTIALS PLUS

timeware®
HR, Time and Attendance Software

- 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® need to be NMD3 Integration Attendance and be unsuspended to be used.

Explanation of notable fields

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

timeware®
HR, Time and Attendance Software

Explanation of notable fields

Private Const PROCESS_PERIPHERALS_GET As Boolean = True	True or false statement. Map peripheral to terminals and can be associated with events/swipes.
Private Const PROCESS_ACCESS_LEVELS_GET As Boolean = True	True or false statement. Import Access Levels from Paxton into Terminal Policies in timeware®.
Private Const PROCESS_ACCESS_LEVELS_SET As Boolean = True	True or false statement. Export Terminal Policies from timeware® into Access Levels in Paxton Net2
Private Const PROCESS_PERSONNEL_GET As Boolean = True	True or false statement. Import Personnel from Paxton Net2 in to timeware®.
Private Const PROCESS_PERSONNEL_SET As Boolean = True	True or false statement. Export Personnel from timeware® into Paxton Net2
Private Const PROCESS_EVENTS_GET As Boolean = True	True or false statement. Import attendance bookings in to timeware®.
Private Const PROCESS_DOORS_GROUPS_GET As Boolean = False	True or false statement. Import terminal groups in to timeware®
Private Const PROCESS_DOORS_GET As Boolean = False	True or false statement. Import doors from Paxton Net2 in to timeware®.

www.timeware.co.uk
support@timeware.co.uk
+44 (0) 1706 658222