

For Assistance please email:

SkyVisitorteam@safetynetsolutions.co.uk

[uk](#)

or call 01270 508565



GUIDES FOR :

1. Event Services – SKYPAXWebServices

2. Local Connection - SKYPAXWindows

OVERVIEW:

Safetynet have been integration partners with Paxton for over 20 years.

The current integrations with Paxton Net2 is via the SDK.

Q3 2024 will see this re-released with the API, as Paxton no longer support the SDK.

Fundamentally the integrations enable you to create USERS in Net2 from SKYVISITOR, selecting from the ACCESS GROUPS available (which are exposed in the UI, or prest in the background) adding a Valid Date / Time Access period - which is time specific (i.e. 10-11:30 Visit time, as opposed the the Access Group 8-6 full window).

The system can allocate any Token type including Veh Reg for ANPR.

It can create Tokens and present as QR, or PIN; attach physical FOBS or CARDS, or enable the user's mobile device to be used as the TOKEN.

It can be set to recognise certain doors/readers as In or OUT even if they dont have this function on Net2, thereby creating 1 Fire Report on either SKYVISITOR or NET2 - or both - subject to whichever suits the clients' needs best.

There is a choice of behaviours at end of day / end of visit, in terms of User removal and access cancellation.

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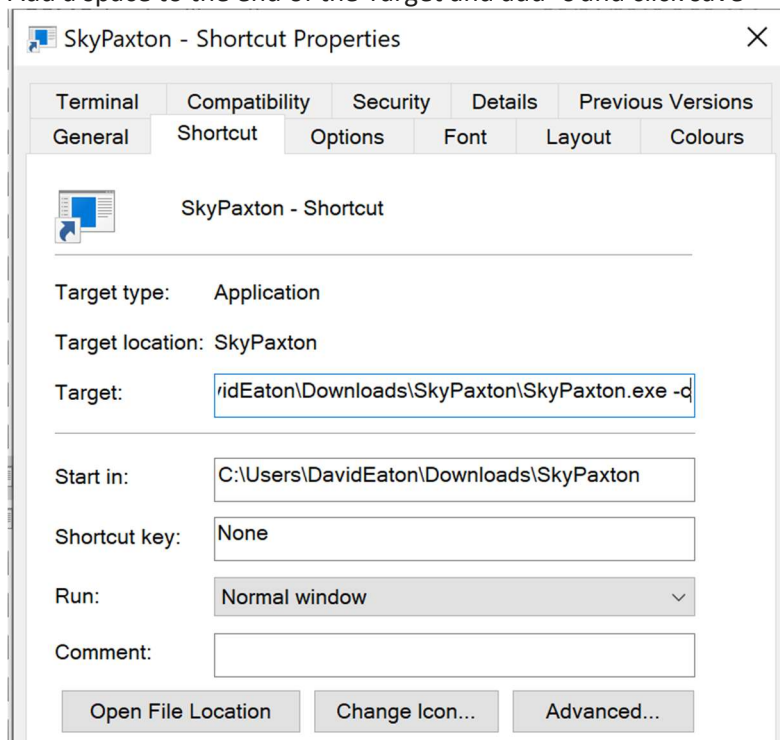
1. SkyPax Event Service Guide

Cloud to cloud data transfer. Creates User and prebooks access on PreBooking.
Enables 'token' to be valid at the right time, without the need to go through a SKYVISITOR VMS checkin on site.

1. Download the Event Service from SkyVisitor.com
2. Extract zip folder
3. Right click and create a shortcut of SkyPaxton application

	Paxton.Net2.Outils.dll	20/04/2019 9:30 AM	Application extension	215 KB
	Paxton.Remoting.Channel.dll	26/04/2019 9:30 AM	Application extension	101 KB
	Paxton.Remoting.RemotingLayerInterfaces.dll	26/04/2019 9:30 AM	Application extension	51 KB
	SigPlusNET.dll	18/01/2019 2:28 PM	Application extension	236 KB
☒	SkyPaxton	08/12/2020 2:50 PM	Application	42 KB
	SkyPaxton.exe.config	10/03/2020 12:23 PM	CONFIG File	1 KB
	SkyPaxton.pdb	08/12/2020 2:50 PM	PDB File	56 KB

4. Right click the shortcut and click properties
5. Add a space to the end of the Target and add -c and click save



6. Open the SkyPaxton – Shortcut – **(RIGHT CLICK & RUN AS ADMIN)**
7. Select option 1 to change details

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SkyVisitor

Paxton
Approved
Integration

```

SkyPaxton - Shortcut
Service Status: Not installed

Server:
  Port: 8025
  Username: SkyVisitor
  Password: net2
  Domain:
  Web Service URL: http://www.skyvisitor.com
  Filter ACU:
  Refresh Rate: 60 seconds
  Send Paxton Events: True
  Delete Disabled Users: False
  Update User Tokens: False
  Updating Tokens Max Length: 0
  Paxton Department:
  Log Level: 0

Select:
  1 - Change details.
  2 - Test connection to Paxton server.
  3 - Test connection to Sky Visitor.
  4 - Install application as a service.
  5 - Uninstall service.
  6 - Start service.
  7 - Stop service.
  8 - Run as application.

Press ESC to quit.

```

8. Fill in the below details
 - a. Paxton server (PC name of the Net2 Server)
 - b. Leave Paxton Server Port at 8025
 - c. Enter the Net2 SkyVisitor operator name (Case sensitive)
 - d. Enter the operator password
 - e. SkyVisitor Domain
 - f. Leave web service URL
 - g. Enter Paxton ACU number which you want to monitor
 - h. Leave refresh rate as 60
 - i. Leave Paxton events as True
 - j. Leave remove disabled SkyVis users from Paxton as False
 - k. Leave Update the Paxton tokens to False
 - l. Leave restrictions at 0
 - m. Leave department blank
 - n. Leave last event to 0
 - o. Set log file level to 1



SAFETYNET SOLUTIONS



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9. Press option 2 to test Paxton server
10. Press option 3 to test SkyVisitor connection
11. Press option 4 to install the service
12. Press option 6 to start the service
13. Open Services in Windows 10
14. Search for SkyVisitor Paxton Service
15. Right click the service and select properties
16. Select recovery and set each failure to restart the service

A screenshot of the 'App Readiness Properties (Local Computer)' window, specifically the 'Recovery' tab. The window has a title bar with a close button (X). Below the title bar are four tabs: 'General', 'Log On', 'Recovery' (which is selected), and 'Dependencies'. The main content area contains the following settings:

- A link: 'Select the computer's response if this service fails. [Help me set up recovery actions.](#)'
- 'First failure:' dropdown menu set to 'Restart the Service'.
- 'Second failure:' dropdown menu set to 'Restart the Service'.
- 'Subsequent failures:' dropdown menu set to 'Restart the Service'.
- 'Reset fail count after:' input field with '0' and the unit 'days'.
- 'Restart service after:' input field with '1' and the unit 'minutes'.
- A checkbox labeled 'Enable actions for stops with errors.' which is currently unchecked. To its right is a button labeled 'Restart Computer Options...'.
- At the bottom, there is a checkbox labeled 'Run program' which is also unchecked.



2. SkyPax Windows

LOCAL Integration between SkyVisitor and Paxton Net2

Requires the User to go through a SKYVISITOR Check In Process before Access allocated.

Overview

SkyVisitor can create Users and assign tokens in Paxton Net2.

This can be to a default access group, or can present the access groups in Net2 via the SkyVisitor Reception 'Booker' Module, for the operator to select.

The **Issuable Item** functionality in SkyVisitor allows the issuing of Paxton Tokens to users via the SkyVisitor booker.

Additionally, [SkyVisitor works with your guest's mobile phone to bring PIN-based visitor management and Mobile Device Check-In to Paxton's Net2 access control](#). A PIN or

Token can be created for a User at the prebooking stage, or on arrival.

This PIN must be 4 digits (Net2 Limitation).

A token can be of any reasonable length and it can be presented to the User as a number, a barcode, or QR code.

It can be printed for them, and can be sent as an email to their mobile device.

The PIN will be deactivated at the end of the SkyVisitor visit – which gives you a tighter level of access control, over and above the Time Zone in Net2.

Port: The assumed port is 8025 (default) if running on a different port this can be changed in the config.

Version: The Paxton OEM Client Library supported is up to but not including v7.

From V7 onwards, Paxton have withdrawn SDK support. Clients can switch to our Web Services API integration instead.

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Prerequisites

- The Net2 server must be installed on the same **network** as the PC which has the SkyVisitor Reception 'Booker' module installed with the connection to the Net2 server.
- Paxton Tokens have been created as an Issuable Item category on the SkyVisitor account.
- And/or Custom Field 'Paxton PIN' has been enabled for "VisitVisitors"
- Net2 doors and access levels have been set up in the Net2 server.
- Paxton Tokens have been added to the Net2 server.

Net 2 Configuration: in the SkyVisitor Reception 'Booker' Module & SkyTouch Module

The Net2 server sync needs to be configured from **each** local SkyVisitor instance, where there is a requirement to write to Net2.

- We suggest for best practice you set up a SkyVisitor operator in Net2 with appropriate permissions. This way you can see the users created by SkyVisitor.

Login to the SkyVisitor Reception 'Booker' Module

Go to **Settings**
Go to **Paxton Administration**
Tick: **"Use Paxton"**

Complete the server details (This is the name of the pc or server running the Net2 application you wish to connect to) & the login details you wish to pass through (i.e. the SkyVisitor operator you created in Net2). Then **Find Server & Sync...** You should receive a successful connection message.

If this is not successful please check Net2 version is 5.03, and that it is running on default port 8025 or, if not, that this port is open between the SkyVisitor Booker PC and the Net2 db PC.

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User Behaviour in Net2

Select your preferred behaviour. Typically if the sync is used for temporary issue only (i.e. visitors, contractors or forgotten cards) then “Use Visitor Name And Delete After All Tokens Are Returned” is the common setting.

Paxton User

- ☒ Use Visitor Name And Retain After Visit
- ☐ Use Visitor Name And Disable After Visit
- ☒ Use Visitor Name And Delete After All Tokens Are Returned
- ☐ Use Paxton Card Description

Paxton User Options Description

Use Visitor Name And Retain After Visit

User is created in Net2 with the same name as entered in SkyVisitor, access level is retained after they have checked out.

Use Visitor Name And Disable After Visit

User is created in Net2 with the same name as entered in SkyVisitor, access level is revoked after they have checked out.

Use Visitor Name And Delete After All Tokens Are Returned

User is created in Net2 with the same name as entered in SkyVisitor, user is deleted from Net2 once all tokens have been returned in Skyvisitor.

If the PIN function is used (and hence no token to return) then users will be disabled in Net2.

Use Paxton Card Description

User is created in Net2 with the Paxton Token's name.

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FAQ

1. **Where will visitors appear in the Net2 software?**

Visitors will appear in the same User Group as the Paxton User that was used in the SkyVisitor setup. For example, if the Paxton User is in the 'Visitor' User Group, your visitors will be created in this group.

2. **The visitor is already in the Net2 software, I've checked them in in SkyVisitor and I now have a duplicate.**

SkyVisitor will create a new entry for a visitor the first time they check-in. If the visitor is already in Net2 and ends up with a duplicate, these entries can be safely merged in the Net2 software, which will retain all their events in a single entry.

3. **The issued Paxton card has not been returned.**

Your Net2 administrator will be able to revoke the access card in the Net2 software.

How to use in the SkyVisitor Reception 'Booker' Module

During Check In – with Express Checkin Wizard

1. Create a check-in, filling in the Host and Visitor's details.
2. Click the green plus next to 'Issue Item.'
3. If using a desktop reader (recommended) present the Paxton Card or Fob to the desktop reader
Or, if the Paxton Cards/Tokens have been created in advance in SkyVisitor as Issuable Items (e.g. Contractor Card 1-50) **
then you can enter the name of the Paxton Token to issue, e.g. *11-Contractor* and press Enter.

The screenshot shows the 'Express Checkin Wizard' window. On the left is a large area for a signature, with a green question mark icon and a 'Signature' label. On the right is a form with fields for 'Name' (SUE DOWYM), 'Hosts', 'Notify Host' (checked), 'Visitor Company', 'Visit Category' (Visit), 'Visitor Type' (Visitor), 'Vehicle Reg.', 'Issue Item' (with a green plus icon), and 'Reserve Item' (with a green plus icon). At the bottom are buttons for 'Checked-In Visitors', 'Cancel', 'Checkin & Add another Visitor', and 'Checkin & Finish'. A blue arrow points from the 'Issue Item' field in the form to the 'Issue Item' field in the list.

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4. If these do not have a predefined access level, then choose the Access Level to give the Token, from the drop-down list on the Paxton Token, e.g. Working Hours.
5. Click 'Issue All'.
6. Click 'Checkin & Finish.'

The screenshot shows the "Issue Item" interface in the SkyVisitor system. At the top, there's a header with the SkyVisitor logo and the title "Issue Item" with the instruction "Select an item or scan item to issue". Below this is a "Quick Issue Item" search bar. The main section is titled "Select Items To Issue" and displays a list of items. One item, "Paxton Cards", is expanded to show a dropdown menu for "Access" levels. The options in the dropdown are: "No access", "All hours, all doors", "Working hours", "Contractor Working Times", and "Visitor Access". At the bottom of the interface, there are three buttons: "Select Item" (with a plus icon), "Cancel" (with a red X icon), and "Issue All" (with a green checkmark icon).

★★ NOTE

If Tokens are created as Issuable Items in the SkyVisitor Admin tools online, then SkyVisitor can automatically generate a QR code unique to each item. The item can then be issued and returned by scanning this to your SkyVisitor scanner (instead of the desktop reader)

The screenshot shows the "Item" configuration interface in the SkyVisitor system. It is divided into two main sections: "Categories (1)" and "Items (1)". The "Categories" section shows a list with "PAXTON CARD". The "Items" section shows a list with "TEST VISITOR1 (GROUP HEADQUARTERS - KILKENNY)". Below these lists, there are two panels. The left panel, titled "Category", shows fields for "Category" (PAXTON CARD), "Type" (Paxton), and "Template". It includes "Delete", "New", and "Save" buttons. The right panel, titled "Item", shows fields for "Description" (TEST VISITOR1), "Quantity" (1), "Increase Time" (Before 0, After 0), "Issue on" (Check-in), and "Template". It includes a "QR Code" field with a QR code image, a "Reservations" button, and "Delete", "Lost Item", "New", and "Save" buttons.

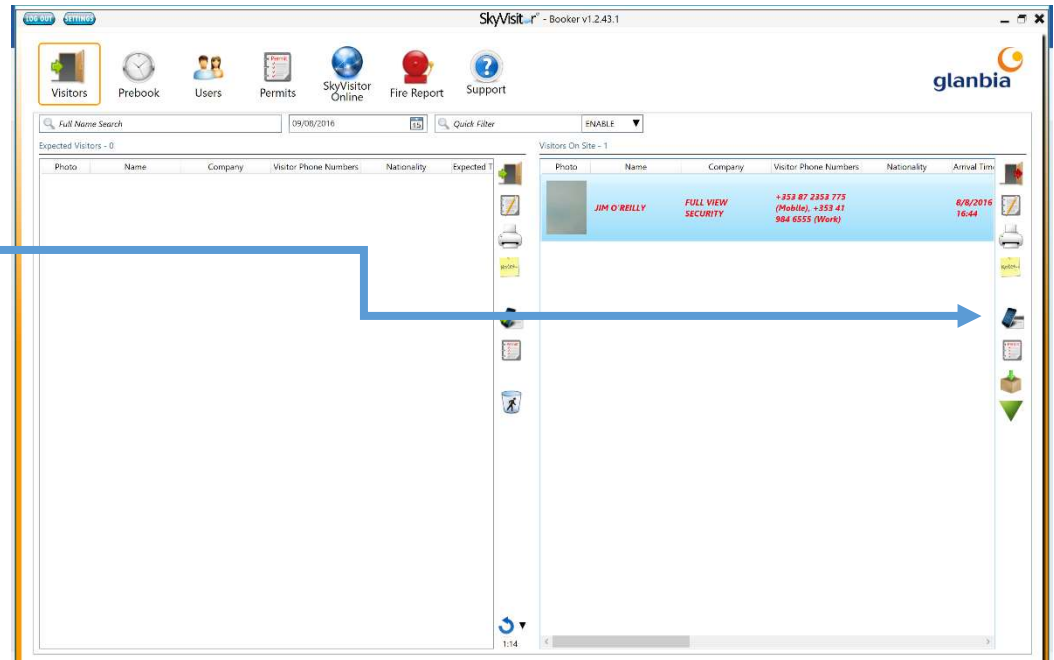
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How to Issue if Visitor is already 'On Site'

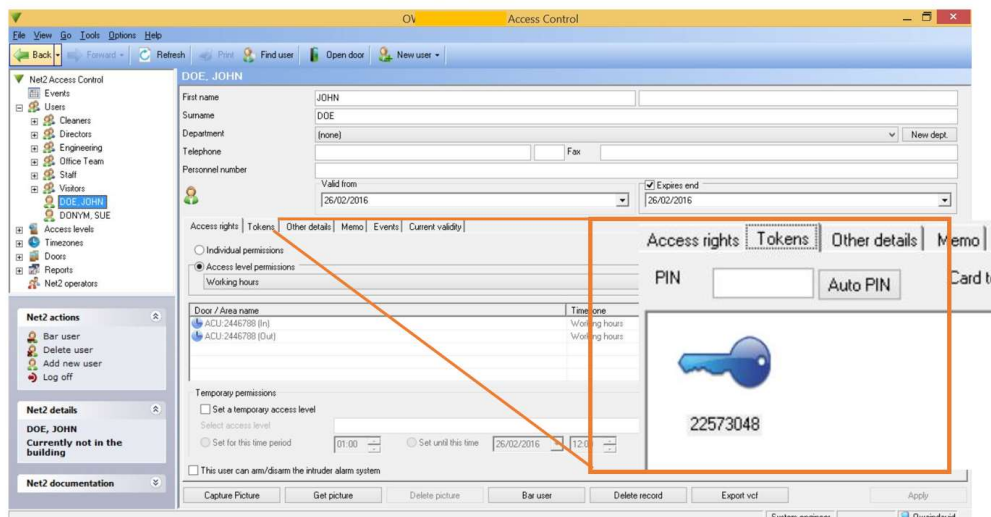
- Select the Visitor you want to issue the token to
- Click the *Issue Item* icon
- Follow steps 3-5 as above



In Net2

In the Net2 Access Control application, a new user has been added: e.g. John Doe.
Their access rights have been set to the access level on the issued card, e.g. Working Hours.
The token's access levels will match the Net2 access levels for that permission group.

Under the Tokens tab, the issued card or Fob number is shown.



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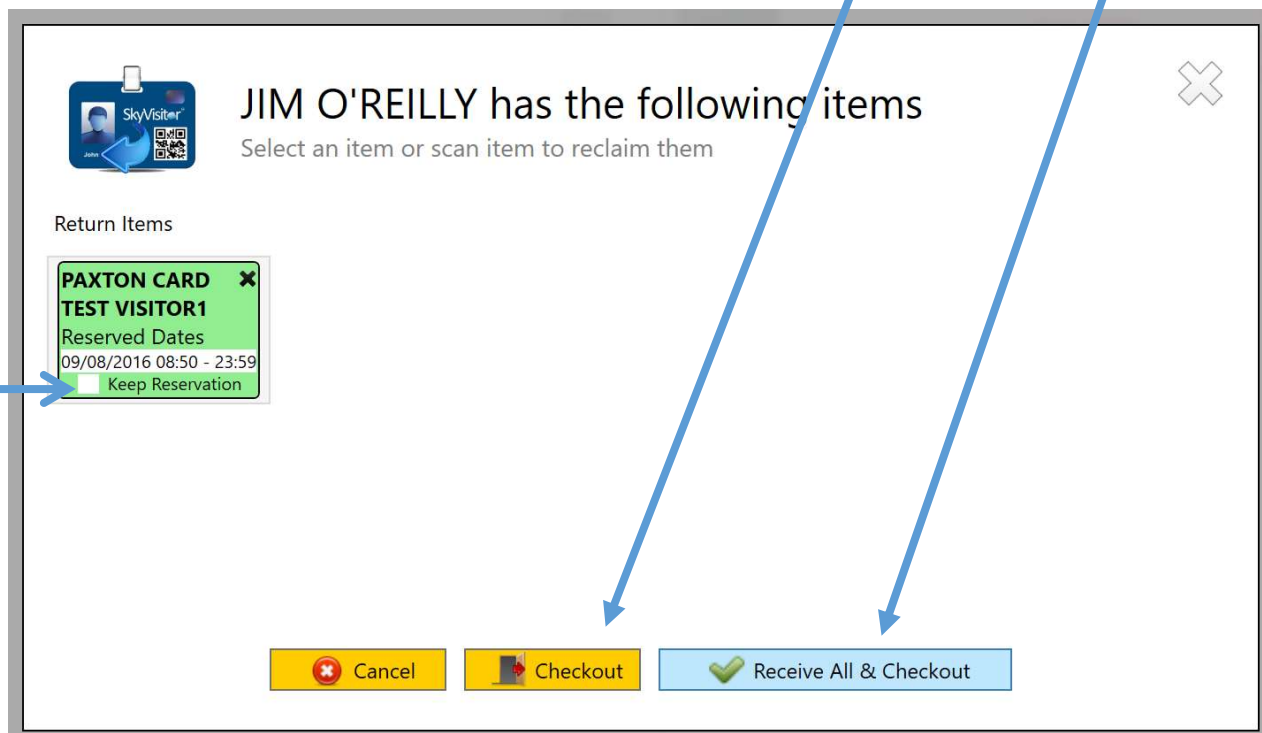
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Returning Tokens /Checking out of site

If you check a Visitor out of the SkyVisitor Reception *Booker* Module – either by selecting and clicking the door icon, or by scanning their visitor pass, the system will flag if they have an Issued Item.

As you can see from the image below, you can choose to **Receive the item and Checkout**
Or, you may allow the user to retain the item and just select **Checkout**



If the User has multiple items, and you want him/her to retain some of them, you may select these to be kept by ticking the box on each item.

If a PIN is issued, this will be disabled at then end of the Visit Valid Date/Time

If a PIN or Fob or Card (or other token) is presented to an '**exit reader**' this will automatically log the Visitor off the Roll Call and out of SkyVisitor.

This requires the **Paxton Event Service** (see **SkyVisitor-Paxton Event Service Guide**)

NB: Issuable Items are also logged against the User Profile in SkyVisitor and in the Reports Section.