



Technology Partner Program Integration Guide

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Revision History

February 2021	Revision 1
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Partner Information

Date	February 2021
Partner Name	Cloudi-Fi
Website	https://www.cloudi-fi.com/
Product Name	Cloudi-Fi
Partner Contact	Dhahbyah CHAREF, Strategic Partner Manager dhahbyah@cloudi-fi.com , +33 6 75 50 38 17
Support Contact	support@cloudi-fi.com +1 (914) 996-4772 (International) / +33 9 71 07 10 14 (France)
Description	Cloudi-Fi is a secure, compliant, and international Guest Wi-Fi solution.

Palo Alto Networks Products for Integration

Table 1: Integration Details by Product

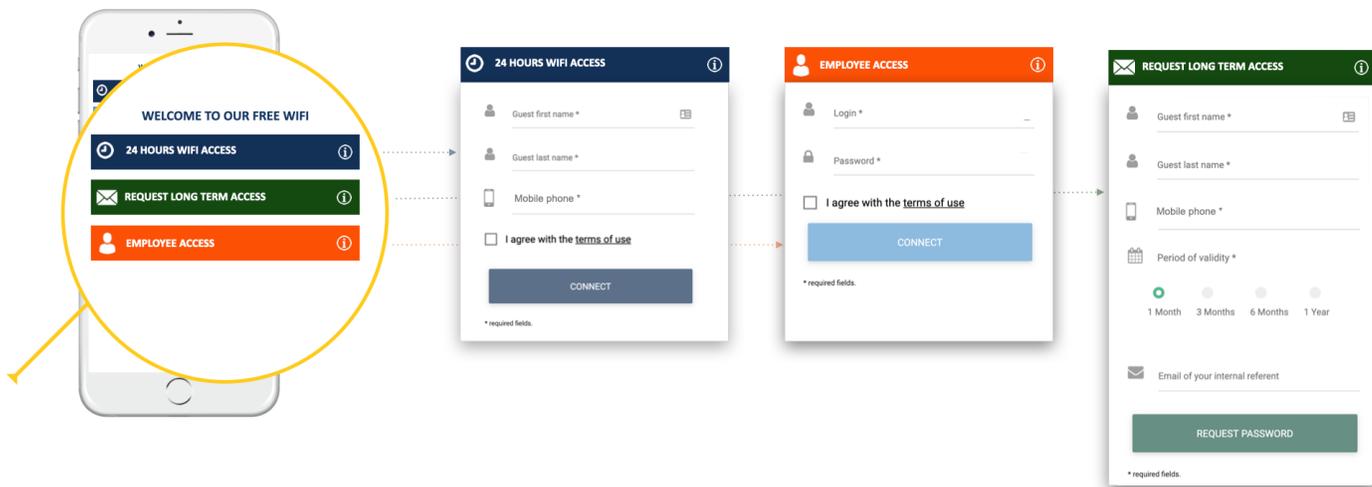
Palo Alto Networks Product	Integration Status	Palo Alto Networks Versions Tested
AutoFocus		
Cortex XDR Prevent		
Cortex XDR Pro		
Next-Generation Firewall		
Panorama		
Prisma Access	Validated	Prisma Access Plugin v1.8 (PAN-OS 9.0.x, 9.1.x, 10.x)
Prisma Cloud Compute		
Prisma Cloud Enterprise		
Prisma SaaS		
VM-Series		
WildFire		
Other		

Use Cases for Integration with the Palo Alto Networks Security Operating Platform

Corporate Use Case

Cloudi-Fi addresses the **Corporate market segment** and transform the Wi-Fi into a new communication channel to connect and access the enterprises resources.

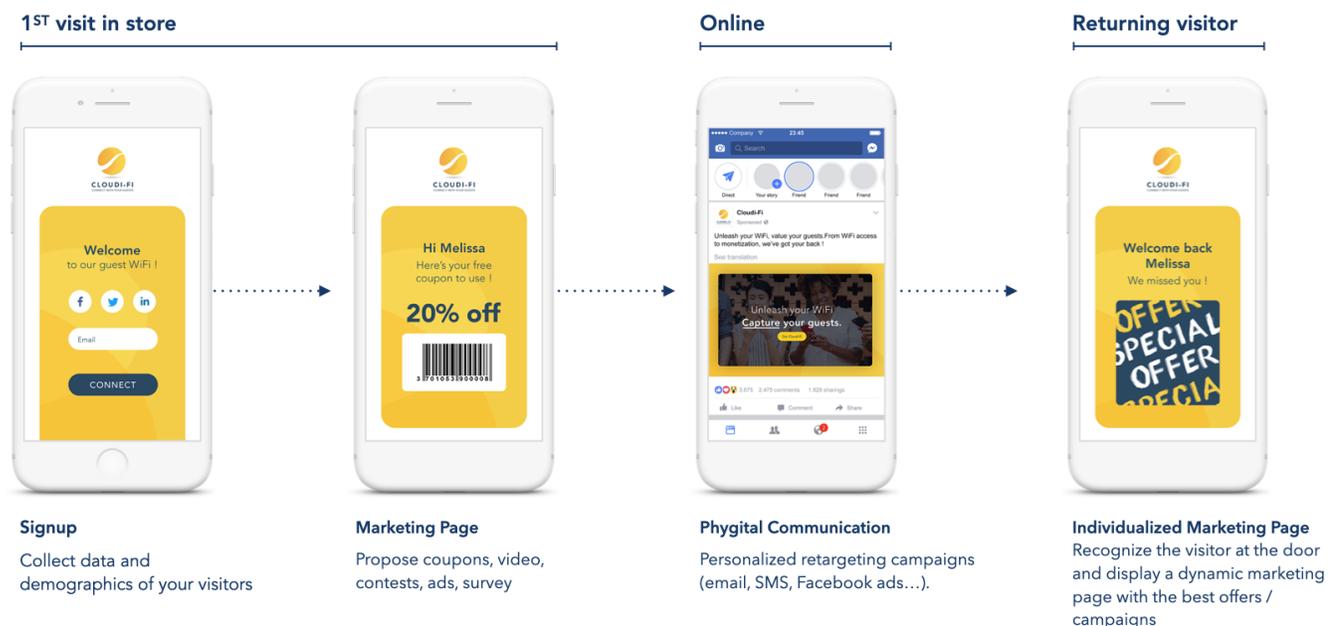
Cloudi-Fi profile the different type of users to adapt and propose them a personalized Wi-Fi usage.



Hotspots and Retail Use Case

Cloudi-Fi also addresses **Hotspot’s market segment** to deliver a unique user digital experience.

Cloudi-Fi reconcile the digital user experience with the physical presence onsite thanks to our phygital omni-channel communication.



Integration Benefits

Cloudi-Fi is 100% cloud-based Guest Wi-Fi SaaS solution that transforms Wi-Fi access into a new communication channel. Cloudi-Fi helps drive both enterprises and hotspots digital transformation through innovative digital services. It addresses 4 main concerns:

1. Compliance

- Provide compliance with all existing regulations (GDPR, CCPA, LGPD and many others) and legal responsibility management
- Collect of authentications & access logs in real-time
- Encryption and local (country based) storage of logs
- Data privacy friendly: management of user opt-in and access to the data

2. Added Value Wi-Fi Captive Portals to Customers

- Wi-Fi captive portal feature added without any development neither deployment needed
- CRM included with management of identities
- Solution partners platform & API friendly
- Marketing Campaign module, Ad Exchange to monetize

3. User Experience

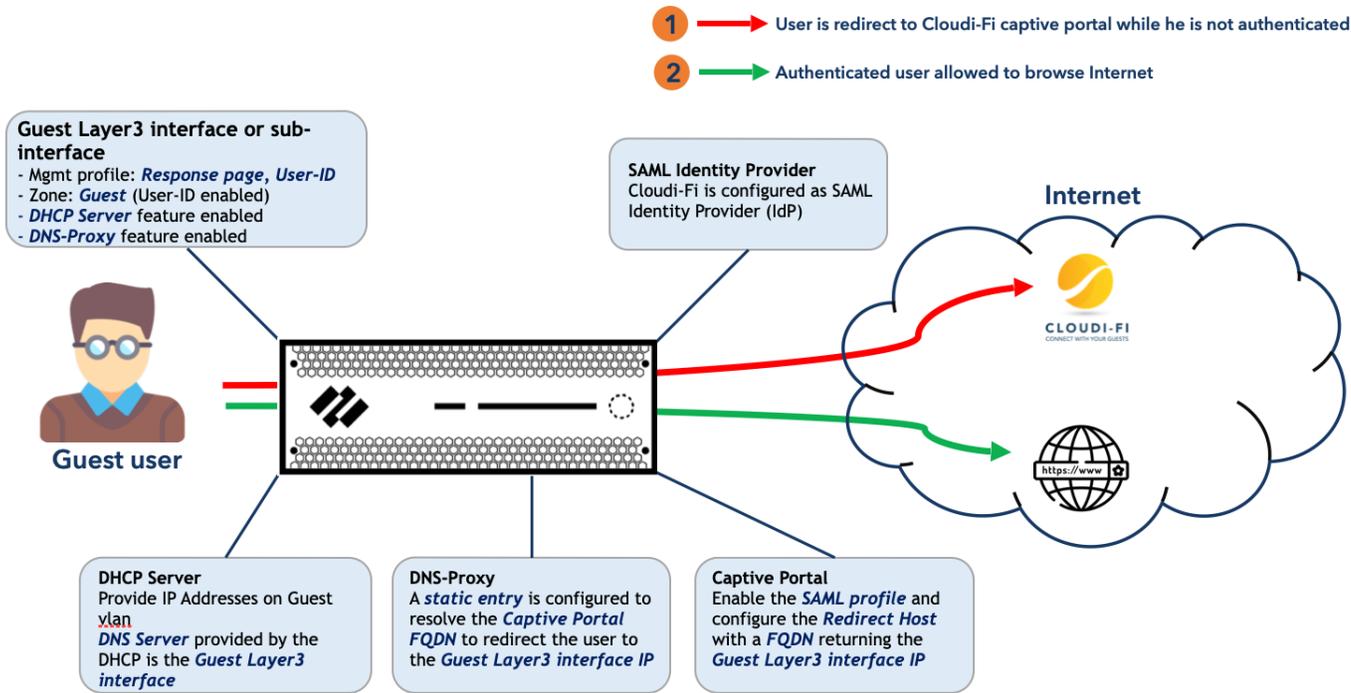
- Device recognition for individualized content when returning on any sites
- Captive portal builder - Build complete and modern captive portals in few minutes
- Enhance pages capability: JavaScript friendly, multi authentication capability

4. Security

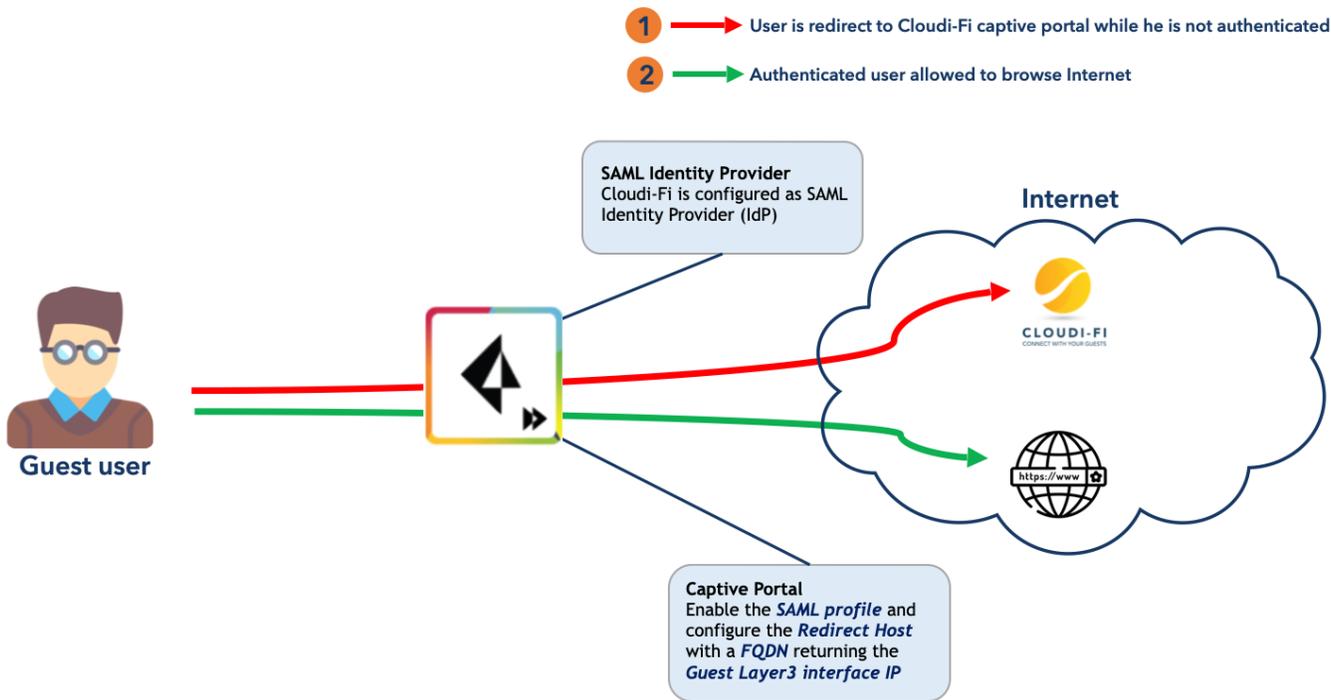
- User-profile based Wi-Fi access control and authentication
- Security based on Palo Alto expertise to preserve image and guarantee the service thanks to customizable option such as URL and advanced content filtering

Integration Diagram

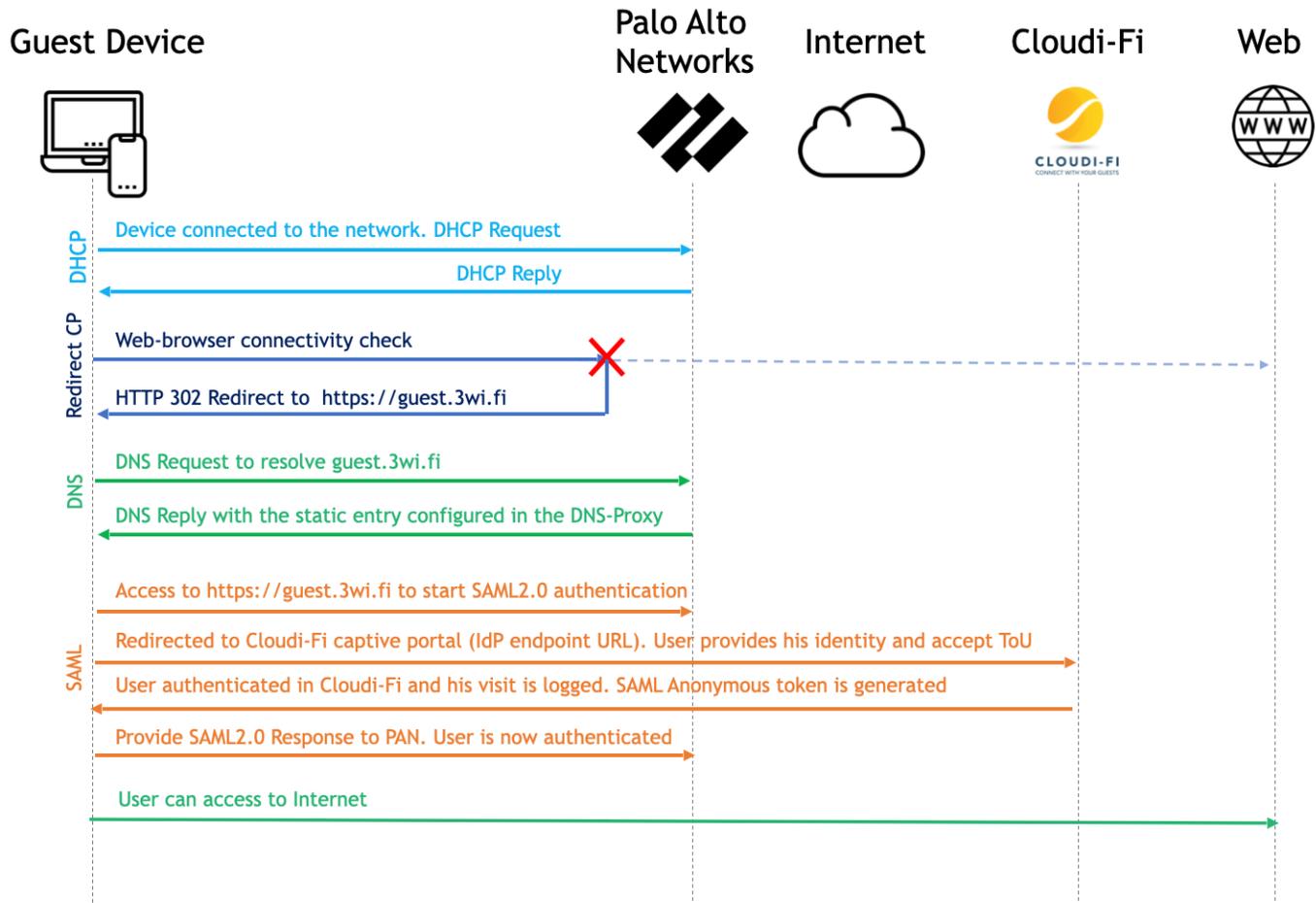
VM Series PAN-OS Integration Diagram



Prisma Access Integration Diagram



Authentication Flow



Palo Alto Networks Prisma Access to handle DHCP and DNS, these services need to be provided by a local network component in the customer infrastructure.

- Cloudi-Fi provide an anonymized username to Palo Alto Networks to ensure the privacy of real visitor identity, and to not store personal data in Palo Alto Networks access logs.
- Data is shared based on SAML authentication between Palo Alto Networks device (acting as Service Provider) and Cloudi-Fi (acting as Identity Provider)
- As a result, Palo Alto Networks Security rules (firewall, URL filtering) can be applied to the visitor and Palo Alto Access logs are "personal data free".
- All the personal data related to the visitor's identity are stored in Cloudi-Fi databases.

Before You Begin

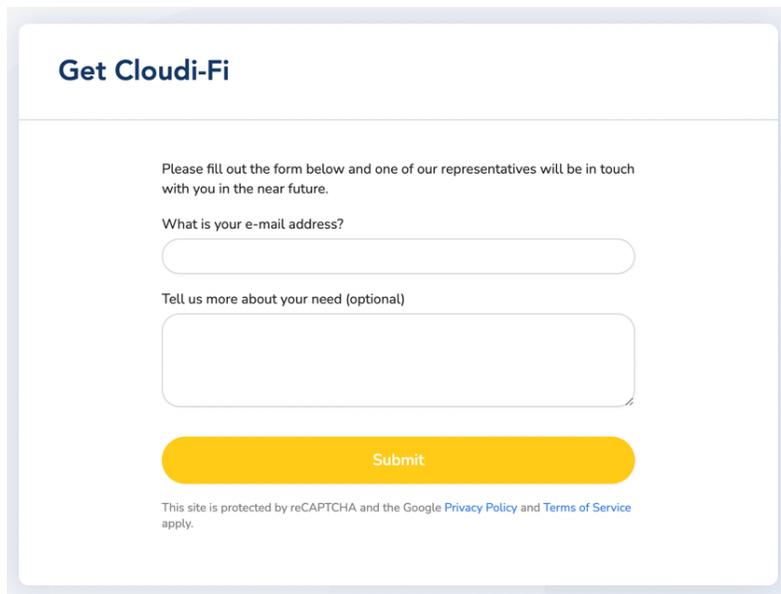
- A Palo Alto Networks subscription (Strata or Prisma).
- Local Wi-Fi infrastructure routed to Palo Alto network.
- Minimum version tested: PAN-OS 8.x

Palo Alto Networks Configuration

- Strata configuration guide: <https://help.cloudi-fi.net/en/articles/4818326-palo-alto-networks-strata-integration-with-cloudi-fi>
- Prisma Access configuration guide: <https://help.cloudi-fi.net/en/articles/4812055-palo-alto-networks-prisma-access-integration-with-cloudi-fi>

Partner Product Configuration

1. Connect to Cloudi-Fi admin UI. <https://admin.cloudi-fi.net>
2. Get a Cloudi-Fi account if not a Cloudi-Fi customer yet. <https://get.cloudi-fi.net>



Get Cloudi-Fi

Please fill out the form below and one of our representatives will be in touch with you in the near future.

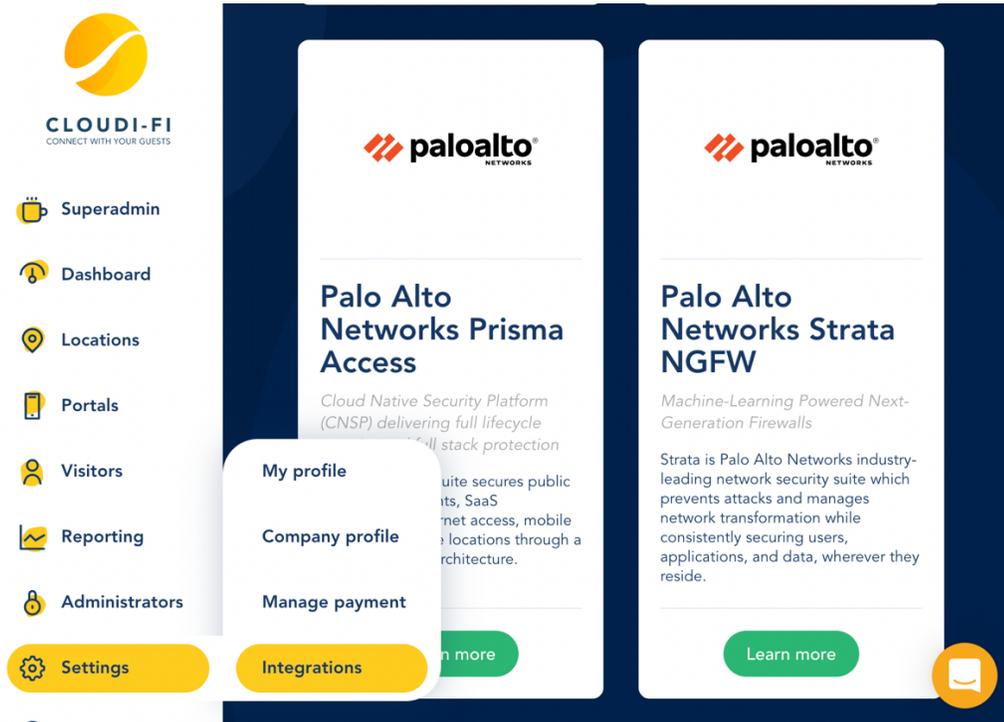
What is your e-mail address?

Tell us more about your need (optional)

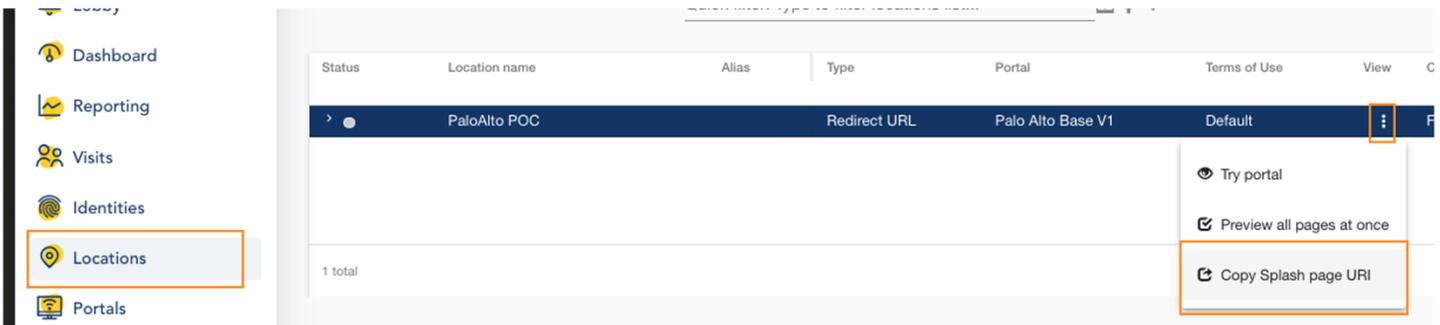
Submit

This site is protected by reCAPTCHA and the Google [Privacy Policy](#) and [Terms of Service](#) apply.

3. Enable Palo Alto Networks (Strata or Prisma Access) integration in Settings/Integration Menu



4. Create the location, select the captive portal in the list and enable the service in Palo Alto Networks by copying the Splash page URI and pasting it as described earlier



5. Technical details regarding Palo Alto Networks activation are listed here: <https://help.cloudi-fi.net/en/?q=%22palo+alto+networks%22>

Troubleshooting

Contact information for Cloudi-Fi support:

- Email: support@cloudi-fi.com
- Cloudi-Fi First Level Troubleshoot: <https://help.cloudi-fi.net/en/articles/4839691-cloudi-fi-first-level-troubleshooting>
- International support: **+1 (914) 996-4772** / •French support: **+33 9 71 07 10 14**

Technical Details

- For compliance, syslog traffic types are needed to allow Cloudi-Fi to implement customer's compliance policies.
- SAML 2.0 Exchange