

PARTNER SOLUTION OVERVIEW

Aruba and Flying Cloud Technology

Safeguard against data exfiltration with ClearPass and CrowsNest

INTRODUCTION

When it comes to data security, the challenge of visibility is a paramount issue for cybersecurity teams. How can you protect yourself from something you do not know about? Data surveillance is a cybersecurity cloak of protection and allows teams to monitor and react in real time. A unique security partnership between Aruba and Flying Cloud Technology allows users to block unauthorized access to sensitive information and defend their data against a potential breach.

Aruba's ClearPass Policy Manager provides role-and device-based secure network access control for IoT, BYOD, and corporate devices, as well as employees, contractors, and guests across multi-vendor wired, wireless, and VPN infrastructure.

ClearPass and CrowsNest can be key elements to help organizations achieve Zero Trust cybersecurity architectures for better data security. The term "Zero Trust" was coined by Forrester Research analyst and thought-leader John Kindervag, and follows the motto, "never trust, always verify." His ground-breaking point of view assumed that risk is an inherent factor both inside and outside the network.

ABOUT FLYING CLOUD

Founded in 2014, Flying Cloud's mission is to protect intellectual property, personally identifiable information, operational data, financial data, confidential data, and other essential data of consequence. Flying Cloud solutions protect data regardless of their industry or target markets. Using a Zero Trust architecture and patented technologies, they fingerprint, monitor, analyze, and report on data usage and activity in real-time. CrowsNest Data Defense integrates data surveillance with a Zero Trust architecture. It uses data surveillance for insight into unusual data patterns, both in the construct of the data and while it's in motion. CrowsNest focuses on the source data, not the user or log files. This advantage reduces reliance upon user credentials that could be stolen, or log files that could be modified. The solution uses PCAP (Packet Capture) to discover advanced malware tactics and detect malicious exfiltration.

WHY ARUBA AND FLYING CLOUD TECHNOLOGY

Aruba and Flying Cloud Technology have formed a partnership to create a powerful cybersecurity solution that combines device, user, and data surveillance. This solution:

- Provides visibility and surveillance of data traversing customer networks
- Centralizes user and device authentication
- Ensures protection of Personal Identifiable Information (PII), Intellectual Property (IP), and sensitive data of consequence
- Automates and integrates user and device governance (admissions, regulations, or eliminations)
- Consolidates multiple security practices, reduces manual interventions and the number of security personnel required

UNIQUE VALUE PROPOSITION

If everything is data, then real-time knowledge of your data's structure, content, movement, and usage is critical to success and security. A combination of Aruba's ClearPass Policy Manager and Flying Cloud's CrowsNest ensures visibility and surveillance of clear and encrypted data, with the ability to alert ClearPass of the anomalous behavior of users or devices.

By combining CrowsNest with Clearpass, customers leverage a solution for automated network device management with data visibility and surveillance. The integrated solution also increases efficiency and reduces cost via advanced automated rule parameters, device authentication, and governance.



Aruba ClearPass Policy Manager provides the network segmentation, access control and authorization to quarantine, disconnect, or otherwise change access permissions for devices and users determined by Flying Cloud to be compromised or exfiltrating data. This integration with Aruba ClearPass provides complete actionable intelligence into all activities by both the creators and consumers of the critical data.

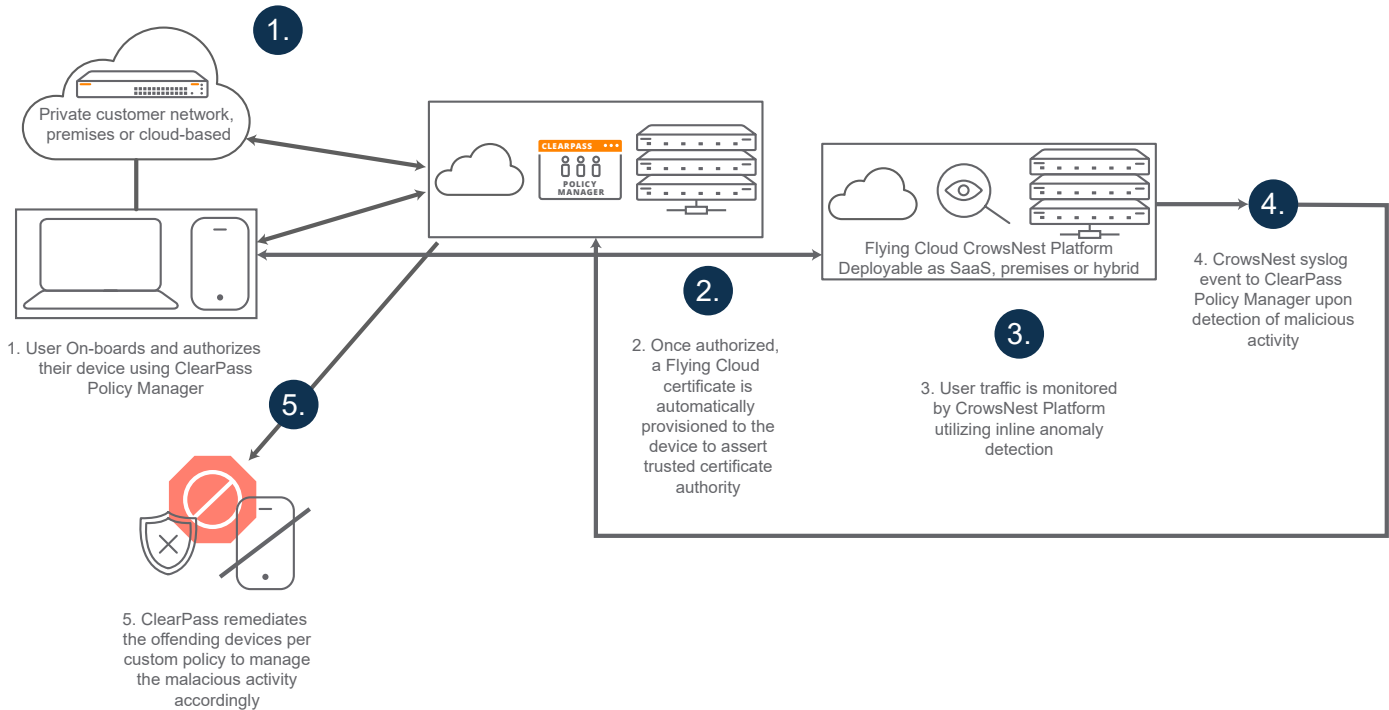


Figure 1. Aruba and Flying Cloud Technology Joint Solution Diagram

BETTER TOGETHER

While cyber-attacks continue to morph, security technology needs to adapt to new threats with lightning speed as well. The key to reducing risk lies in changing where and how early data protection starts. This joint solution provides end-to-end security that assists in detecting early indicators of potential compromise or infection. Along with fast-acting network isolation and segmentation, the solution can greatly limit suspicious lateral movement of data, preventing further damage.

Aruba and Flying Cloud’s partnership provides an automated, vendor-agnostic, and continuous security solution that includes visibility into data, users, and devices. The solution enables data protection and surveillance at the network level. Rapid detection and isolation can help prevent one infected device from becoming a thousand – and stop a malicious campaign in its tracks.

The joint solution can also automate the critical placement of security certificates upon user devices, saving time and eliminating troublesome manual processes. In addition to the peace of mind knowing an automated process enables certificate-based authentication, the solution facilitates the SSL and TLS sessions, encryption, and network traffic inspection unique to the joint solution.

Data proliferation into the big unknown is a security risk for employers and employees alike. Businesses are now seeking data surveillance and a Zero Trust approach as a tool to apply bit-level policy to protect their data of consequence. Aruba ClearPass has a built-in context-based policy engine, RADIUS, TACACS+, non-RADIUS enforcement using OnConnect, device profiling, posture assessment, onboarding, and guest access options. ClearPass is unrivaled as a foundation for supporting Zero Trust architectures within organizations of any size.



CrowsNest and ClearPass establish data accountability on a unique level and defend your data using that baseline knowledge. More importantly, upgrading your hardware and continuing a digital transformation journey should not make your company more vulnerable. Data-rich environments can be protected through an already integrated subscription model with CrowsNest and ClearPass, allowing you to protect data on the devices you already have.

The joint solution watches for exfiltration in real time with alerts or automated isolation of compromised endpoints when anomalies are detected. The power of data surveillance can protect sensitive data in motion, and can also help prevent ransomware attacks, expensive ransom payments, and forced downtime of operations. CrowsNest and ClearPass also feature flexible deployment models. SaaS, on-premises, or hybrid cloud options are available to suit customer preferences.

SUMMARY

Aruba and Flying Cloud Technology have partnered to create an integrated security solution that prevents cyber-attacks and data exfiltration in real time. This solution integrates with third-party security vendors and IT systems previously requiring manual IT intervention. Integrated with Flying Cloud, ClearPass allows for automated threat detection and response workflows. Aruba and Flying Cloud's innovative security partnership defends data in real time and prevent critical data from exfiltration. Now you have a way to know exactly where data proliferates, who has it, where it happens, and how it's used.

To learn more about Aruba ClearPass, please visit: <https://www.arubanetworks.com/products/security/network-access-control/secure-access/>

To learn more about Flying Cloud Technology, please visit: <https://www.flyingcloudtech.com/>

DEPEND ON FLYING CLOUD TECHNOLOGY



Flying Cloud Technology provides innovative data defense solutions that enable enterprises to protect IP, PII, and other essential or sensitive data. The company's CrowsNest platform uses advanced machine learning and big-data exfiltration to continuously refine security policy and transform security effectiveness. Flying Cloud was founded in 2014. It is privately funded with offices in Santa Cruz, CA; Polson, MT; and Atlanta, GA

CONTACT US TODAY, SO WE CAN START BUILDING YOUR CUSTOMIZED CLOUD NETWORKING SOLUTION.

www.flyingcloudtech.com

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