

VAULT™



Open Your Network
To New Possibilities

Roaming*iQ*™

SecuredByVault.com

Meet VAULT

VAULT enables new revenue streams for Network Service Providers (NSPs), such as:

- 01** [Secure Wi-Fi as a Service](#) for venues with multiple subscribers – MDUs and shared living spaces, hospitality, education, shared office spaces, commercial airline and travel, visitor access etc.
- 02** [Roaming Wi-Fi Agreements](#) between residential and retail businesses, such as apartment buildings and nearby coffee shops

Secure Wi-Fi as a Service

VAULT enables NSPs to offer “multi-venue Wi-Fi” to their business customers that have multiple locations across the globe and want to provide seamless and secure Wi-Fi to their patrons/customers/members. With VAULT as a WPA2 key-store, patrons/members and staff of businesses (such as MDUs, retail, hospitality, travel) automatically connect to Wi-Fi as they visit any of those business locations.

VAULT is designed from ground up to be IoT / smarthome friendly for residential complexes and can be easily deployed in networks with thousands of devices such as Apple TV, Alexa, Ecobee thermostats or Nest cameras, and other devices that cannot use certificate-based authentication.

Choices in Deploying Wi-Fi Networks

Reference the comparison chart below to see how VAULT improves your bottom line, customer satisfaction and legal compliance.

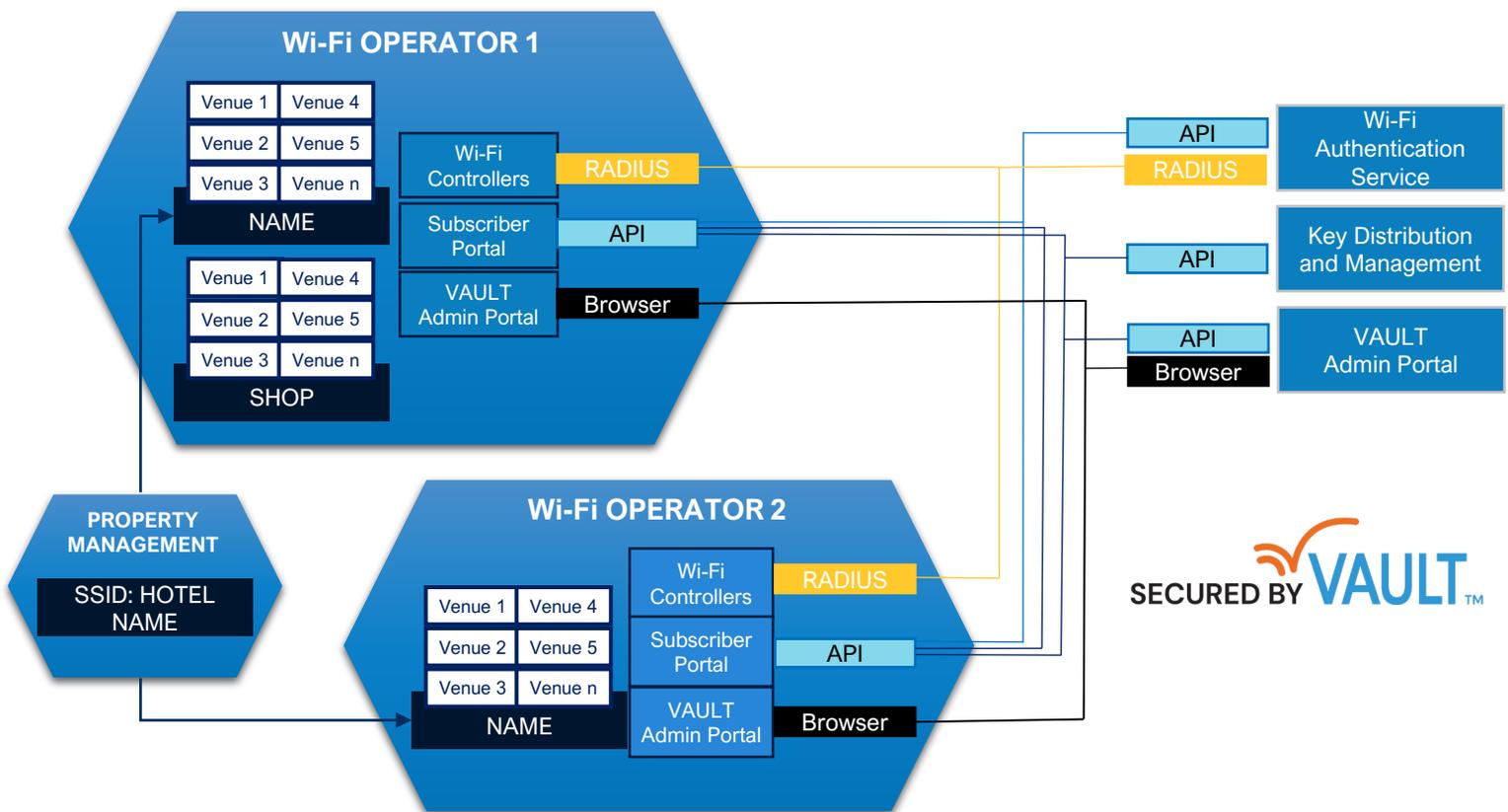
			Traditional Network Equipment Vendors	 Passpoint r3 (HS2)	
Installation & Management	Self-installed and managed	Professionally managed	Professionally managed	Professionally managed	Professionally managed
Encrypted/Secure	Yes	No	Yes	Yes	Yes
Onboard IoT / Smart Home / Headless Devices	Yes	-	Yes	No	Yes
Wi-Fi Key Coverage	Single venue (< 1500 sq ft)	Single venue (> 1500 sq ft)	Single venue (> 1500 sq ft)	Global	Global
Specification Release	1998	2003	2018	2018	2020
Wi-Fi Keys	1-3	0	Hundreds	Certificate-based	Millions
Auto-Roaming at Business Locations of Partner Brands	-	Using device MAC address	-	Only carrier roaming, no B2B roaming	Both carrier roaming and B2B roaming
Specification Release	Secure Residential	Public Access	Secure public access Secure residential	LTE to Wi-Fi offload for smartphones	Secure public access Secure residential

Roaming Agreements Between Businesses

VAULT enables Roaming agreements between:

- Network Service Providers (Wi-Fi operators, MSOs and MVNOs) to partner with each other, similar to cellular roaming.
- Businesses such as apartment management and hotel management companies to partner with each other and provide seamless Wi-Fi access to their patrons/members at each other's business locations.

VAULT acts as a mediator between various businesses by enabling Wi-Fi roaming agreements between various business customers.



VAULT allows Wi-Fi providers globally to collaborate with each other and provide unified subscriber, SSID and key management to their B2B / bulk Internet customers.

Both network service provider or their B2B customer can utilize their smartphone app / web portal for subscribers to manage their access to various partner networks, reset their Wi-Fi passwords, view usage or upgrade to a different tier/plan.

VAULT Subscriber Management APIs



New Revenue Opportunities

- Offer encrypted Wi-Fi as a service at multiple business locations
- Supports both B2C and bulk Internet model (outsource subscriber management to B2B customers)
- Your B2C subscribers can auto-connect at any of your business locations
- Offer personal VLANs, bandwidth or any other network access policies at specific locations – such as home and office
- Limit number of concurrent/on-file devices a subscriber can connect
- Offer multiple Wi-Fi keys to your subscribers - to share with family/friends, SOHO separation, smarthome network
- Generate reciprocal revenue through Wi-Fi roaming/offloading agreements with other VAULT customers and expand your Wi-Fi footprint.



Privacy and Legal

- PII - Personal Identifiable Information
 - Subscriber pseudonym
 - MAC addresses of devices
- Compliance with
 - GDPR - General Data Protection Regulation
 - CCPA - California Consumer Privacy Act



Branding and Performance

- Subscriber management using your smartphone apps / web portals
- Authenticate known devices in less than 100 ms.
- Auto-onboard new devices in less than 2 seconds.



Infrastructure

- Private cloud in global SOC-2 compliant data centers
- Integration with leading Wi-Fi vendors (other vendor integrations on roadmap)
- Custom RADIUS attributes for your business needs, e.g. subscriber VLAN



Designed for Global Operations

- RADIUS farm available as additional module
- OpenAPI documentation and professional integration services
- Web portal for account and billing management
- 24x7 operational support (English only)

About RoamingiQ

RoamingiQ is a cloud-software manufacturer based in Massachusetts, USA. They develop unique patent-pending technology for device connectivity into Wi-Fi networks at any location in the globe. RoamingiQ is a recognized Wi-Fi NOW partner for roaming technologies.

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