

NFDHybrid Cloud

A Cyber Secure, Open, Hybrid Cloud
Recording Service



Product Information Sheet

Rasiliant's **NFDHybrid Cloud** is a VMS/VSaaS-agnostic, video-recording service to both local storage and an S3-compatible public cloud via **NFDLink**. The high-speed upload to the cloud will work over wired, cellular, or satellite Internet without compromising the recorded videos in any way. The redundant recording is further enhanced with flexible retention and **PrivateLok** encryption with its user-controlled encryption key.

Each edge location is equipped with an **NFDEdge** device to store videos locally and in the cloud, offering sizes depending on individual needs. **NFDHybrid Cloud** is architected with cybersecurity at its core, giving the users full control of the encryption key and preventing the breaches commonly encountered in a VSaaS environment.

NFDHybrid Cloud takes the guesswork out of cloud-storage planning and costs by combining edge hardware, transmission and secure cloud storage into one simple subscription. This hosted hybrid solution is an extremely flexible platform and provides unlimited scalability as the needs of an enterprise change.

Features

- VMS/VSaaS-agnostic and pre-loaded in NFDEdge
- Simple and predictable costs with a monthly subscription model
- Flexible retention, pay-as-you-go
- PrivateLok provides user-controlled encryption for uploaded video
- GUI provides visibility of all system resources
- Utilizing low cost commonly available broadband or wireless services for global connectivity
- S3 Compatible Public Clouds

Applications

- Flexible retention to meet changing regulations
- Hybrid cloud with redundant video
- Reduce edge footprint and outsource storage management
- Simplified multi-site management

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NFDLink enables the use of commonly available broadband or wireless services to send video recordings with no degradation over network with bi-directional packet loss of up to 10%. Intelligent end-to-end video caching, multi-thread communications and optimized object size are used to penetrate all available/dynamic networks. It provides two-level encryption with 256-bit encryption and TLS v1.3.

PrivateLok is zero knowledge video encryption that runs on top of NFDLink at the edge. It encrypts the recorded video before sending it to NFDLink for transmission to the Public Cloud. Users define and manage their own unique keys at the edge and are the only ones with access to it. PrivateLok is an optional feature for NFDHybrid Cloud.

NFDEdge is the hardware that sits on the edge and offers choices of NFDEdge15, and NFDEdge30 to fit each location's needs. Rasilient's NFDEdge is shipped with pre-loaded, pre-configured Windows, VMS/VSaaS of choice (purchased through VMS/VSaaS provider), and NFDLink. The installation is simple and straightforward. NFDEdge hardware can be purchased separately or is provided for the term of the subscription.

The **NFDLink** GUI provides visibility for the video quality, network, camera, and the storage status.



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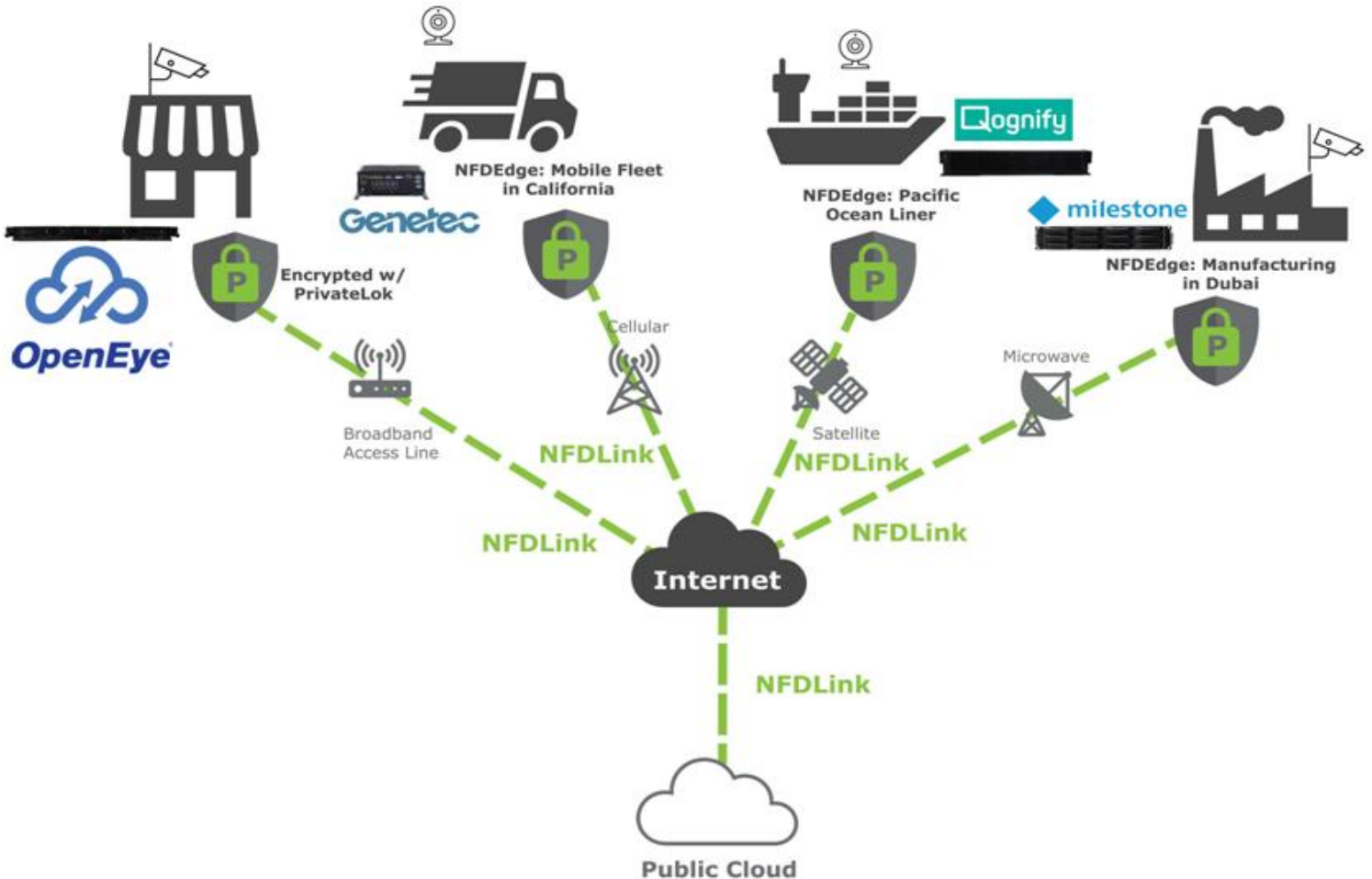
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2022/10/01 v4

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