hyperview

Cloud-based vs. Legacy DCIM Software

COMPARISON GUIDE

Hyperview Cloud-based DCIM VS Legacy DCIM

Cloud-native software

- Delivers greater cost predictability and control, instantaneous deployment, on-demand scale, enterprise-grade security, and redundancy.
- Leverages cloud technologies that are validated and tuned for consistent delivery at any scale.
- Scales horizontally and vertically where needed. Allowing for greater cost control.
- Deploys in a cloud-native runtime like Kubernetes.
- Is simpler to maintain, update, and upgrade, with minimal or no downtime.
- Can leverage external services like AI, and data enrichment sources when and if needed with no customer upfront investment or complicated and costly infrastructure.

ARCHITECTURE

Traditional enterprise software

- Requires installation on-premises, requiring significant upfront capital expenditure and internal support for software maintenance tasks such as patches, updates, and upgrades.
- Often comprises larger, more complex application bundles or proprietary virtual appliances.
- Maintenance is both complicated and expensive, demanding additional internal resources or the engagement of high-cost professional services.
- The phrase 'cloud software' misleadingly implies a cloud-native architecture, when in reality, it refers to a 'cloud-hosted' version of traditional enterprise software, providing only a fraction of the benefits associated with true cloud computing.

Scale-out distributed architecture

- Services and containers are deployed automatically, managing workloads, and facilitating scaling in a smooth and automated process.
- Components are loosely coupled allowing for independent controls on scaling and performance.

DEPLOYMENT

Scale-up monolithic architecture

- Database, storage, and computing resources require advance sizing and pre-commitment.
- Upgrading or updating system components is challenging and often causes disruptions.
- There is a high degree of dependency on the underlying infrastructure.

Hyperview Cloud-based DCIM	VS	Legacy DCIM
Built-in Designed to operate across clusters and multiple regional zones, ensuring resilience in the event of catastrophic data center failures.	 **BACKUP AND REDUNDANCY**	**Add-on** Must be designed as a component of the solution, introducing added complexity, expense, and operational overhead.
Cloud-native to Microsoft Azure Being cloud-native means users can get started within minutes rather than weeks and months. Concerns regarding capital expenditure, software licenses, and the acquisition of new hardware are nonexistent. In scenarios where infrastructure is necessary, such as for data collection, the requirements are minimal and significantly easier to manage.	 **ROLLOUT**	**Bare metal server or virtual machine (on-premises) and/or private cloud** To host the application and its associated infrastructure, on-premises resources must be allocated. In many cases, a significant capital expenditure is required for new hardware and software licenses to facilitate in-house or private cloud hosting of the application.

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Security backed by Microsoft Azure

Hyperview harnesses the extensive capabilities of Microsoft Azure to provide a secure infrastructure and application suite, forming the backbone of Hyperview's delivery system. This partnership enhances the application's scalability and security.

- Utilizes a global network of over 160 data centers across more than 60 regions.
- Boasts the highest number of compliance certifications among cloud providers.
- Dedicates over $1 billion annually to cybersecurity research and development.
- Employs a team of over 3,500 security specialists focused solely on safeguarding data and ensuring privacy.

CLOUD SECURITY

Dependent on hosting model

The characteristics of a private cloud vary depending on its deployment location, the management and administration by the individuals involved.

Completely responsive web design

Hyperview UX/UI is meticulously crafted to deliver a seamless experience across mobile, tablet, and desktop platforms, accessible through any standard web browser. This is achieved by adhering to the principles of responsive web design, ensuring optimal functionality and user engagement.

MOBILITY

Refactored as a mobile app

The app is engineered to adapt traditional enterprise software for mobile platforms, inherently limiting its functionality in comparison to its desktop counterpart.

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Single pane of glass, intuitive drill-down approach

The DCIM functionality is seamlessly accessible to the user through a unified interface. Users can navigate from a global map to a specific data center, then down to a rack, a server, and even to a virtual machine and its components, all within a cohesive and fluid experience.

FUNCTIONALITY

Different modules

The application is accessed through separate modules or applications, resulting in a disjointed experience for the end-user.

No additional cost or downtime

- Instant software updates and upgrades are available with zero downtime.
- Eliminates the need for large upfront capital expenditure or upgrade requirements.
- Minimal on-premises infrastructure needed for data collection software.

UPGRADES/ UPDATES

Expensive and often messy

- Upgrades might be part of a subscription model, whereas they often come at an additional cost in a perpetual model.
- Owing to the tight integration with the infrastructure, the processes of maintenance and upgrades can be expensive, intricate, and lengthy, which may result in extended periods of downtime.

Hyperview Cloud-based DCIM		Legacy DCIM
Focused on self-service model • Hyperview is engineered for self-service, significantly reducing the costs of professional services typically associated with legacy DCIM software. • Hyperview emphasizes a consistent user experience and simplicity of use. • Hyperview comes with comprehensive documentation.	 PROFESSIONAL SERVICES	**Hefty professional services contracts** • Professional services frequently represent a significant revenue stream for legacy DCIM providers. • Lengthy, expensive contracts are usually required, encompassing installation, training, continuous support, and maintenance.
Open, fully documented REST API • Hyperview is an API-first platform which means that integration into internal systems and processes is easier and cheaper. • Hyperview also comes with pre-built integrations into systems like ServiceNow CMDB and Microsoft Teams, with more integrations getting added with new releases.	 API AND INTEGRATIONS	**Depends on the DCIM software provider**
Built-in • Access Control is seamlessly integrated into the core of the application, providing robust security features right out-of-the-box without incurring additional costs. • The access control system offers fine-grained permissions down to the asset level, ensuring comprehensive enforcement across all facets of the application, including both UI and API.	 ACCESS CONTROL	**Unavailable or add-on** Multi-tenancy is either unavailable or an expensive add-on module.

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Robust, multi-protocol auto-discovery tool

- Vendor-neutral discovery and monitoring capabilities.
- Completely agentless, eliminating the requirement for software installation on target devices.
- Supports multiple protocols, including infrastructure protocols such as SNMP and IT protocols like IPMI, VMware, and WMI.
- Features automated detection of changes and maintains logs.
- Includes built-in monitoring functionalities.
- Designed to scale horizontally, accommodating infrastructures of any size.
- Data-driven approach allows for the addition of device support without the need for significant updates or patches.

AUTO-DISCOVERY

Single protocol, limited support

- The infrastructure's protocol coverage is primarily limited to SNMP.
- Support for device types is mostly confined to power equipment, such as rack Power Distribution Units (PDUs).
- Updating device support necessitates scheduled change control windows for the application of database and/or code patches.
- Additional support for IT equipment requires the integration of third-party add-ons.

AI-ready

- Ready to utilize best-in-class AI infrastructure and models for optimum performance.
- Cloud-to-cloud connectors enable cost-effective AI services and applications.

ARTIFICIAL INTELLIGENCE

Limited AI integration

- Integrating local data with sophisticated AI models and analytics services poses significant challenges.
- The cost and complexity of on-premises AI integration render it inaccessible for most organizations.