

HEALTHCARE CLOUD DATA SERVICES

Rapidly analyze EMR and PACS data in a central and secure location



Despite the regulatory hurdles facing the healthcare industry, public clouds offer healthcare providers the benefits of scalability and flexibility that are difficult to achieve on their own.

Without the proper foundation and plan, adopting multiple public clouds can introduce complexity in building integrations, managing compliance levels, maintaining security, and migrating data between clouds. Faction's persistent cloud-attached storage can provide low-latency simultaneous access from multiple clouds to your data.

Healthcare organizations can realize greater data visibility and control in both hybrid cloud and multi-cloud environments. In a hybrid cloud, organizations can keep their data within a private cloud and utilize public clouds for scalability. In multi-cloud environments, healthcare providers can use one cloud for disaster recovery, another for processing PACS data, and a third for backups.



PATIENT QUALITY OF CARE

Geographically dispersed specialists can safely collaborate and access the same datasets with on-demand scalable cloud compute resources, improving patient quality of care by reducing delays.



AI DELIVERS FASTER DIAGNOSES

Hospitals can store and organize Picture Archiving and Communication System (PACS) data in a centralized location, accessible by all clouds simultaneously. This allows patient care teams to leverage innovative and cutting-edge AI tools of choice to analyze medical images that could lead to early diagnosis of life-threatening issues.



BOOST COMPLIANCE

Maintaining ownership of data improves regulatory compliance and protects IP, especially as it pertains to personal identifying information (PII), protected health information (PHI), and regulated medical and personal records.



LOW COST DATA ARCHIVING

Healthcare is a records-intensive business, while the number of records, health images and test results growing as more patients live longer and gain access to a greater range of diagnostic tools for both emergency and elective procedures. Scale-up storage for long-term record retention as needed, then restore data on-premises when you need it.

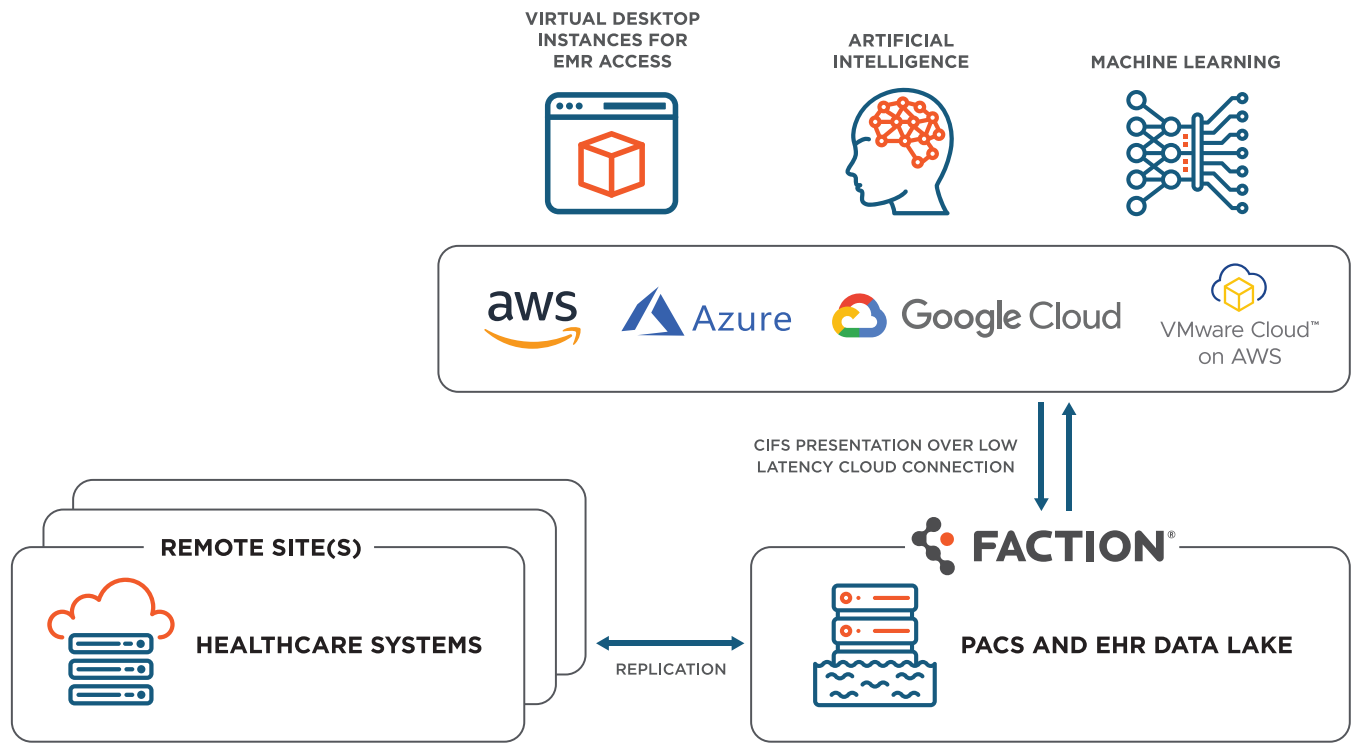


ELIMINATE DATACENTER OVERHEAD

Running applications in the cloud reduces the capital investment to build out the hardware and software required in a traditional data center and frees up resources if and when those applications are not running.



SOLUTION ARCHITECTURE



SOLUTION SCENARIO

- Remote sites like hospitals and healthcare facilities send data via array-based replication to a data lake in Faction's cloud adjacent facility
- File-based data is presented to all the clouds simultaneously via CIFS, a widely used, industry standard file protocol
- Data can be analyzed using cloud analytic services and compute instances across multiple clouds

SOLUTION BENEFITS

- Analytical tools across multiple clouds can be leveraged simultaneously to analyze a single data source
- A single copy vs multiple copies of data reduces sprawl and reduces cost
- Data is maintained and stored outside of the cloud, meaning no high egress fees to take the data out in the future

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