

# SYNAPSE® VNA

**For true imaging interoperability.**

Integrate more specialties, more devices, and more data than any other VNA.



**SYNAPSE®**  
Enterprise Imaging

**FUJIFILM**  
Value from Innovation



# SIX CHALLENGES. ONE SOLUTION.

Today, healthcare organizations face common challenges that can impede their ability to operate efficiently and improve care outcomes.

*Click on the challenges below to learn more.*

1

## INTEROPERABILITY →

Healthcare providers require access to imaging from across the enterprise to see the full patient picture and provide optimal care delivery.

2

## DIVERSE CLINICAL NEEDS →

Different specialties have unique requirements for capturing, viewing, and interpreting clinical data, even when the data relates to the same patient.

3

## INDUSTRY COMPLEXITY →

Greater technological advances, security concerns, and patient expectations put added strain on an already complex healthcare ecosystem.

4

## BALANCING DATA SECURITY WITH EFFICIENCY →

With data security being paramount, efficient access to imaging content often takes a back seat.

5

## COSTLY SYSTEM REQUIREMENTS →

As data volumes multiply, the need to effectively migrate and store that data is a costly endeavor for enterprises.

6

## ACCESSIBILITY OF NON-DICOM OBJECTS →

Increases to the volume and variety of specialty department content present new challenges for unrestricted imaging access across the enterprise.

**Synapse® VNA** — a part of Fujifilm's innovative, AI-enabled Synapse Enterprise Imaging portfolio — is a secure, easy-to-manage solution that allows access to the complete patient imaging record by linking all HIT systems — allowing you to create a complete picture of patient health.



# TRUE IMAGING INTEROPERABILITY

Designed for true imaging interoperability, Synapse VNA captures, stores, and manages all clinical images and content for any specialty department.

## **Improved clinical collaboration.**

Supports integrated care teams by allowing radiologists, referring physicians, specialists, and patients to converse and collaborate on an active study.

## **Optimized patient care.**

Simplifies sharing of all clinical content between IT systems, departments, and facilities to support higher quality care delivery.

## **Increased access.**

Free images from legacy systems and federate across current archives for full image availability.

## **Standards based.**

Employs the latest industry standards including DICOM, DICOMweb, HL7, FHIR, XDS and RESTful Web services to seamlessly exchange information.

## **Enhanced security.**

Protects data as it's shared across the enterprise through a state-of-the-art, centrally-managed IT platform.

## **Simplified operations.**

Connects and manages digital imaging infrastructure with the industry's most scalable and flexible enterprise storage solution.

## **Empowered physicians.**

Breaks down the barriers between technologies and teams, allowing physicians to see the whole patient, so they can treat the whole patient.





## ENHANCE PATIENT CARE

The ability to access, integrate, and share imaging content is vital when looking to deliver optimal patient care. Helping to create a more complete patient record, Synapse VNA connects imaging content from more specialties and more devices than any other VNA system on the market.

### **Unified patient records.**

Creates a single patient-centric view across the entire care continuum.

### **Instant imaging access.**

Enables patient imaging access across a range of specialties directly through the electronic health record (EHR).

### **Support for specialty imaging formats.**

Allows unified viewing of both DICOM and multi-media content including native PDF files, video files, sound files, JPEG, TIFF images, and many more.

### **Extensive imaging access from any device.**

Permits secure anytime, anywhere access to imaging content from any computer, workstation, or mobile device.

### **Standards-based workflows.**

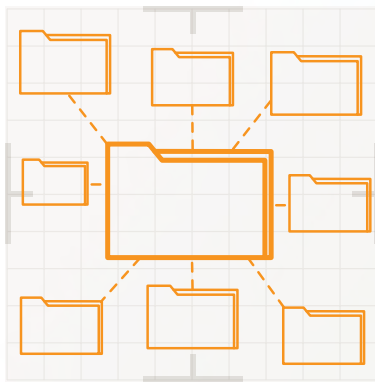
Extends standards-based workflows across clinical departments.



# FUTURE PROOF INFRASTRUCTURE

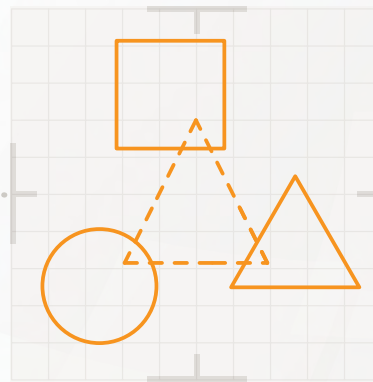


Flexibility, scalability, and adaptability are all essential for healthcare organizations to operate at peak performance today and in the future. As the most scalable and flexible enterprise storage solution on the market, Synapse VNA seamlessly connects and manages digital imaging infrastructure across the enterprise.



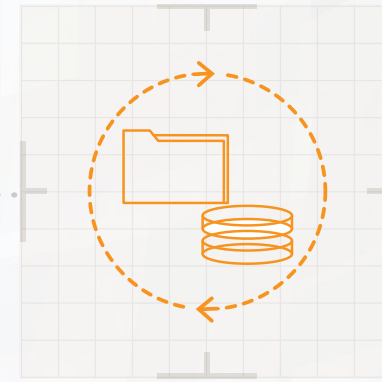
## **Scalability.**

Storing more than 30 billion imaging objects from thousands of facilities across six continents, Synapse VNA meets a range of enterprise needs from single imaging departments to complex facilities with multiple sites and specialties.



## **Flexibility.**

Connects imaging from a variety of encounters-based departments, including point-of-care ultrasound, real-time dermatology, ophthalmology, wound care image capture, and EHR image and video uploads.



## **Adaptability.**

Automatically establishes storage and distribution protocols for any patient content regardless of source and format, and flawlessly integrates with any EHR, PACS, RIS, and CVIS solutions.



## PROTECT PATIENT DATA

Redefine secure data access by centrally securing imaging records in the Synapse VNA, while providing additional access controls via the Synapse Mobility Enterprise Viewer.

### **Secure mobile capture.**

Ensures no PHI is stored on providers' mobile devices and reduces risk of PHI data breach.

### **Safe guard abuse victims and VIP patients.**

Flags restricted and sensitive content to limit access to only authorized individuals.

### **Server-side rendering.**

No client-side or desktop caching guarantees imaging records remain secure within the data center while ensuring compliance.

### **Secure data management.**

Improves data security and HIPAA compliance by using standard IT policies and principles for secure data management across the enterprise.

### **Centralized IT data governance.**

Dramatically reduces the risk of data loss, theft, and alleviates HIPAA concerns.

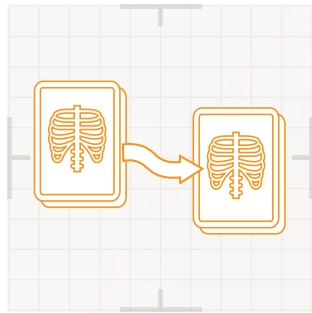


### **SYNAPSE® MOBILITY ENTERPRISE VIEWER ENABLES BOUNDLESS COLLABORATION THROUGHOUT YOUR ORGANIZATION.**

The solution commands instant access to complete imaging records and reports from all departments and locations, both within your facility and out in the world.

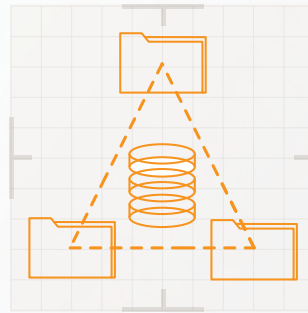
# ACHIEVE COST SAVINGS

Organizations need maximum value from all types of diagnostic and treatment content – DICOM and beyond – at the minimal cost. Synapse VNA eliminates the need for costly future data migrations while supporting clinical workflow efficiency across all departments.



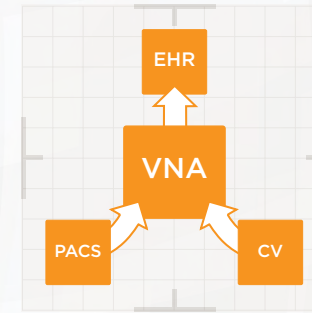
## **Simplified migration.**

Migrates data once, eliminating the need for costly future migrations.



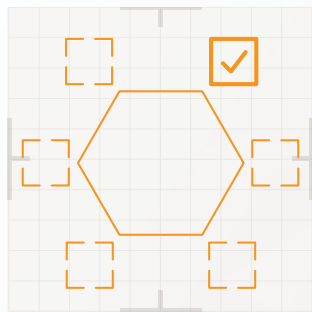
## **Reduced storage-management costs.**

Patented image lifecycle management optimizes storage cost and utilization.



## **Decreased interface expenses.**

Consolidation of departmental silos reduces interface costs by using a shared archive platform.



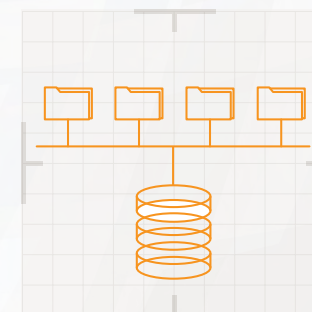
## **Diminished vendor dependence.**

Decreases costs associated with new or replacement PACS purchases, while increasing competitive bidding.



## **Enhanced efficiency.**

A common enterprise repository means fewer departmental systems to manage and maintain.



## **Standardized storage.**

Removes departmental storage silos and dependence on application vendors for storage additions.





## EXPERIENCE TRUE VENDOR NEUTRALITY

As a true Vendor Neutral Archive, Synapse VNA can store, manage, and provide access to DICOM and non-DICOM objects, and supports the most non-DICOM objects of any VNA.

### **Unchanged image source.**

Images come directly from the source solution, leaving the legal source untouched.

### **No data wrapping.**

Data has the ability to be returned to its originating source in its original format.

### **Preservation of metadata tags.**

Data retains private metadata tags useful to the originating source and other consumers.

### **Enterprise class storage.**

Leverages your preferred storage solution and architecture, including on-site and cloud offerings.

### **Reduced complexity.**

Improves communication with the data source via standard API/web services/file management using the methodology and file format of the originating source.

### **Flexible standard reliance.**

Supports retrieval through current and future standards without format lock.





## LET SYNAPSE® VNA CONNECT YOUR WORLD

With nearly two decades of experience, the TeraMedica Division of Fujifilm remains independently focused on leveraging its clinical capabilities to advance VNA technology, healthcare interoperability, and most importantly, patient care.

As the core of FUJIFILM Medical Systems U.S.A., Inc.'s comprehensive enterprise imaging portfolio, Synapse VNA provides the industry's leading image-management solution. By seamlessly connecting imaging content across the care continuum, **Synapse VNA** allows you to see the whole patient so you can treat the whole patient.

**SYNAPSE®**  
Enterprise Imaging

Radiology PACS | Cardiology PACS | 3D  
VNA | Enterprise Viewer | Cloud Services  
Information Systems | Artificial Intelligence

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**In 1936, we launched our  
healthcare business with  
x-ray film, and we haven't  
stopped innovating since.**

For more than 80 years, we've continued to transform ourselves so we can help healthcare organizations like yours make the world a healthier place. As the industry advances, we'll continue adapting — finding new ways to apply our unique technologies to solve preeminent healthcare challenges.

We'll never stop iterating and developing digital solutions that progress radiography, endoscopy, ultrasound systems, healthcare IT, pharmaceuticals, and regenerative medicine — and the Synapse® Enterprise Imaging portfolio represents this commitment to continuous innovation.

For more information, visit

**SynapseVNA.com**

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