



NewgenONE

FHIR Interoperability Solution

Powering Seamless Healthcare Data Exchange
Across Payers, Providers and EHR Ecosystem



With evolving US healthcare regulations such as the CMS Interoperability and Prior Authorization Final Rule, organizations are rapidly transitioning toward FHIR-driven interoperability. Payers and providers must enable secure, real-time data exchange across the healthcare ecosystem. **NewgenONE FHIR Interoperability Solution**, built on the NewgenONE platform, enables seamless integration, orchestration, and exchange of healthcare data using **HL7 FHIR R4 standards**.

By combining process automation, enterprise content management (ECM) and API orchestration, Newgen delivers a unified approach to interoperability enabling both data exchange and document-driven workflows.

Start with targeted FHIR APIs and scale to enterprise-wide interoperability at your own pace

FHIR-native Capabilities

Capability

Description

**FHIR R4
API Enablement**

Design, expose and consume standardized RESTful APIs aligned with HL7 FHIR R4

**FHIR
Transformation Layer**

Seamlessly map internal data models to FHIR resources. Handle normalization, enrichment and transformation

**Data
Processing**

Convert unstructured healthcare data into FHIR-compliant formats

**Low-code
Extensibility**

Rapidly configure APIs, workflows and integrations without heavy development cycles

**Regulatory
Alignment**

Aligns with CMS Interoperability, Prior Authorization Final Rule, ONC Guidelines and HIPAA Compliance

**Industry
Standards**

Supports HL7 FHIR R4, RESTful APIs, SMART on FHIR, OAuth 2.0 standards

Real-world Use Cases of FHIR Interoperability

Use Case

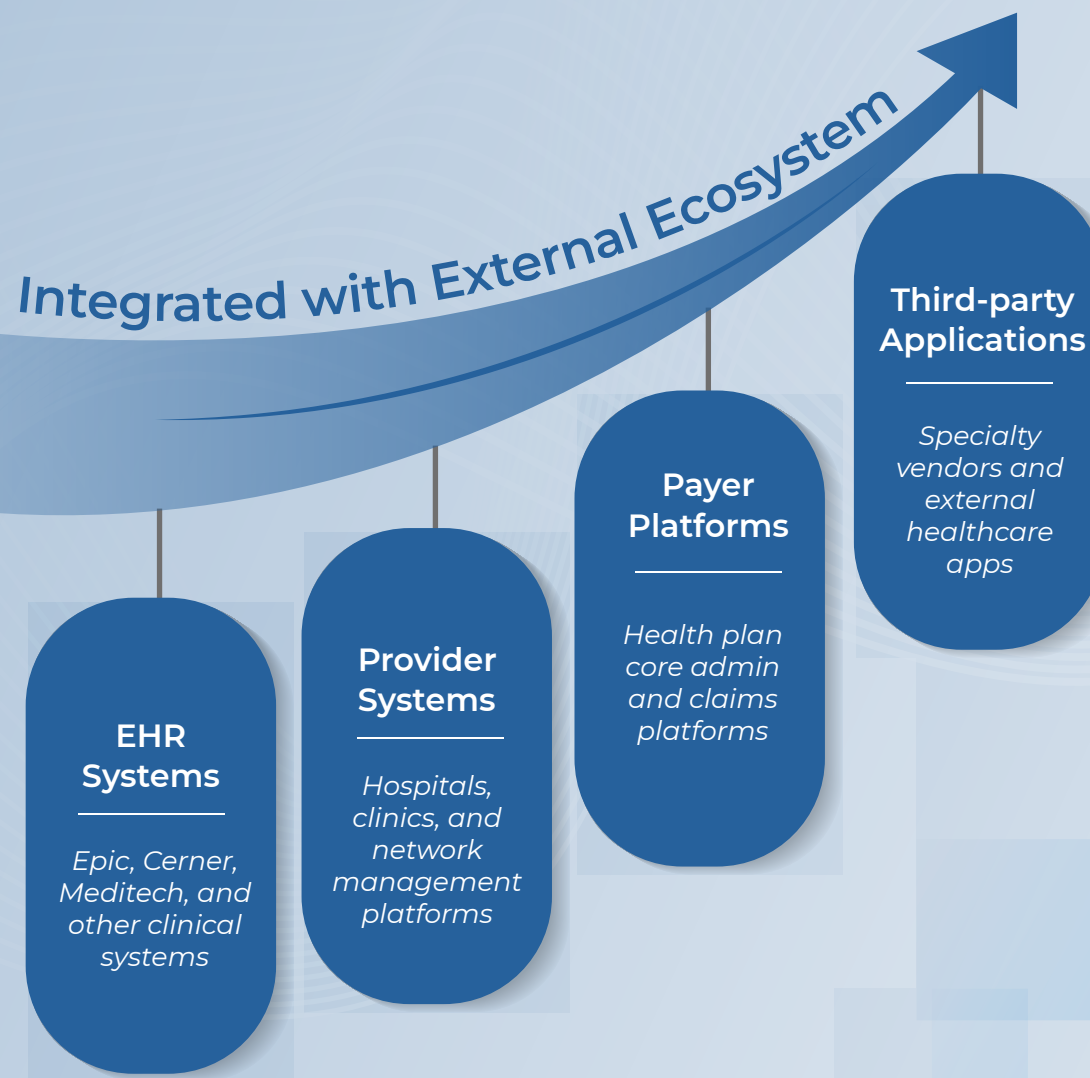
What It Enables

Patient Access APIs	Enable secure access to member health data
Provider Access APIs	Support care coordination with real-time patient data
Prior Authorization APIs	Automate and accelerate authorization workflows
Payer-to-Payer Data Exchange	Ensure continuity of care across health plans

FHIR Across the Newgen Healthcare Ecosystem

Newgen**ONE** FHIR Interoperability Solution acts as the common integration backbone across Newgen's full healthcare product suite and the broader external ecosystem, delivering unified workflows, centralized document management, a standardized FHIR API layer, and seamless data and document interoperability.





Unified Data and Document Interoperability

Newgen extends beyond traditional FHIR implementations by combining API-led interoperability with enterprise content management and AI-driven data extraction.

1. FHIR Native Enterprise Content Management (ECM)

- *Centralized document repository*
- *Support for FHIR DocumentReference APIs*
- *Unified management of clinical, claims and authorization documents*

2. Advanced DocumentReference Capabilities

Enable complete lifecycle management of healthcare documents:

- **Push Documents**
Ingest documents from external systems
- **Pull Documents**
Retrieve documents across systems on
- **Search**
Locate documents using FHIR-based queries
- **Versioning**
Maintain controlled document updates
- **Lifecycle Management**
Policy-driven document disposition
- **Audit Traceability**
End-to-end tracking of access and transactions

3. AI-powered Data Extraction

- Extract metadata from documents
- Convert into structured FHIR-compliant data

4. End-to-End Orchestration

- Seamless ingestion, transformation, and exchange of data and documents via FHIR APIs

NewgenONE FHIR Interoperability solution is not just an API layer, it is a complete enterprise interoperability platform enabling scalable, compliant and intelligent healthcare data exchange.

About Newgen

Newgen Software Orchestrates Intelligent Enterprises at scale. The NewgenONE Platform unifies content, processes, and communications into an orchestration layer where intelligence is embedded into how enterprises operate, with trust, governance, and control built in. Enterprises move beyond fragmented initiatives to continuously adaptive, production-ready operations. Decisions, workflows, and experiences evolve in real time, shaped by context, data, and embedded AI. Trusted by leading organizations worldwide, Newgen defines how modern enterprises operate, intelligently and at scale.

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