

InterSystems FHIR Server

The InterSystems FHIR® Server provides high-performance FHIR storage, searching, and analytics capabilities for healthcare applications. Whether you're creating clinical patient apps with SMART on FHIR, or developing backend services handling bulk data, you can bring them to market faster using the InterSystems FHIR Server, with absolute confidence in the availability, speed, and reliability of your data store.

Evolving market needs have created new opportunities for innovation in healthcare sectors globally. Patient access and engagement, clinical decision support, social determinants of health, population health and research have all benefitted from FHIR and are being used daily to drive better outcomes. Regulatory incentives have provided greater API support and development frameworks to integrate with major health data producers, such as EHRs, QHINs, and health applications. The InterSystems FHIR Server provides the data and integration capabilities needed to connect directly to these providers, build cutting-edge solutions, and start innovating within minutes.

InterSystems FHIR Server Features

- **Easy-to-deploy FHIR Servers** supporting STU3, R4, and R5 FHIR versions and packages.
- **Advanced search capabilities** and built-in resource operations.
- **Extensive SMART on FHIR support**, including custom scope validation, capabilities discovery, and OAuth client setup.
- **Bulk FHIR Exchange features** to query external EHRs, FHIR servers, and data platforms and import FHIR resources directly to your repository.
- **Advanced analytics modelling** with the FHIR SQL Builder; transforming FHIR resources into a fully relational, customizable model.
- **Data quality checks** with a built-in FHIR profile validator and referential integrity enforcement on bulk imports.
- **FHIR profile and package support** for national core (US, UK, FR, IL, AU, etc.) implementations, Da Vinci, CARIN BB, CareConnect, and many more.
- **Easy configuration** with external OAuth 2.0 servers (Okta, Ping, Google Identity, Azure AD, and others)
- **Exceptional high availability** and disaster recovery.

Analytics at Scale

The InterSystems FHIR Server provides industry-leading analytical modelling features with InterSystems FHIR SQL Builder. By dynamically analyzing the FHIR server contents, users can define custom transformations into a fully relational model, directly querying their FHIR server with standard BI tools such as PowerBI or Tableau. Real-time dashboarding for operational analytics, clinical research, population health reporting, and clinical quality measures can be built at the source.

Bulk Access and Connectivity

InterSystems FHIR Server enables you to quickly connect and schedule interactions with EHRs, external FHIR servers, and cloud services to import bulk FHIR resource exports. With support for OAuth2 and SMART on FHIR flows, it is extremely simple to query, ingest and analyze data from EHRs, medical devices and SMART on FHIR applications. If you require a robust enterprise-grade server, InterSystems FHIR Server provides the tools to unleash your data.

Certified Security Supporting HIPAA and GDPR

The InterSystems FHIR Server infrastructure is certified on ISO-27001:2022, ISO-22000-1, ISO 22301, and SOC 2 and is managed by InterSystems Managed Services through processes developed using the HITRUST Common Security Framework.

Additional Information

[Learn more](#) about the InterSystems FHIR Server and our support for FHIR and other healthcare data interchange standards.

