

Share services enable you to build standardized interfaces between external systems and enabled applications and devices to facilitate cross-enterprise integration.

Value

- **Rapid and scalable integration:**
Provides a high-performing integration engine with many built-in capabilities for semantic interoperability, connecting on-premise devices with cloud API-based systems.
- **API-based flexible framework:**
Out-of-the-box support for REST-based APIs, with support for a variety of message mapping and routing capabilities and custom integration with standard and application-specific workflows.
- **Flexible messaging format support:**
Supports a variety of messaging formats, such as HL7 (versions 2 and 3) to HL7 FHIR, and enables integration with systems based on well-defined XML, JSON, and other proprietary formats.

Features

- **IO Bridge** services provide secure, extensible enterprise integration frameworks for users to exchange information with hospital enterprise systems. They simplify the implementation of communications, message mapping, message delivery, data transformation, and data routing across different systems, and normalizes data to the platform. Also supports standard messaging protocols like HL7.
- **Integration framework** enables standard methods for integrating clinical and non-clinical data from hospital systems and EHRs with cloud-based consumer applications. This integration framework is extensible and supports client-specific customizations and extensions.
- **HL7-based standard support** enables standards-based interoperability using HL7-based profiles and workflows such as:
 - ADT: Admit Discharge Transfer Message
 - ORU: Observation Result Message
 - ORM: Order Message
 - RDE: Pharmacy/Treatment Encoded Order Message
 - VXU: Immunization Message
 - MFN: Master File Notification Message
 - PPR: Patient Problem Message
 - REF: Patient Referral Message.
- **Integration support** provides support for integration using web services, REST, JSON, and XML.
- **Multi-tenant deployment support** enables users to configure a service in a multi-tenant environment, allowing a client application to have data segmentation per endpoint within the same service.
- **Security and encryption** encrypts data at rest and in transit. It enables HTTP(S)-based multi-way SSL handshakes and token-based authentication for data exchange.
- **Reporting:** Provides capabilities to create rich clinical reports that are consistent, readable, well formatted, and well structured. The Reporting Service also provides tools for the administrator to create and customize report templates. You can consume this service using standard FHIR REST interfaces.
- **DICOM Gateway** lets you ingest DICOM data from existing on-premise Philips and third-party devices and workstations via the classic DICOM C-Store interface. DICOM Gateway also lets you retrieve DICOM data from the Cloud DICOM store via the classic DICOM C-Move interface.

For more information,
please go to hsdp.io.