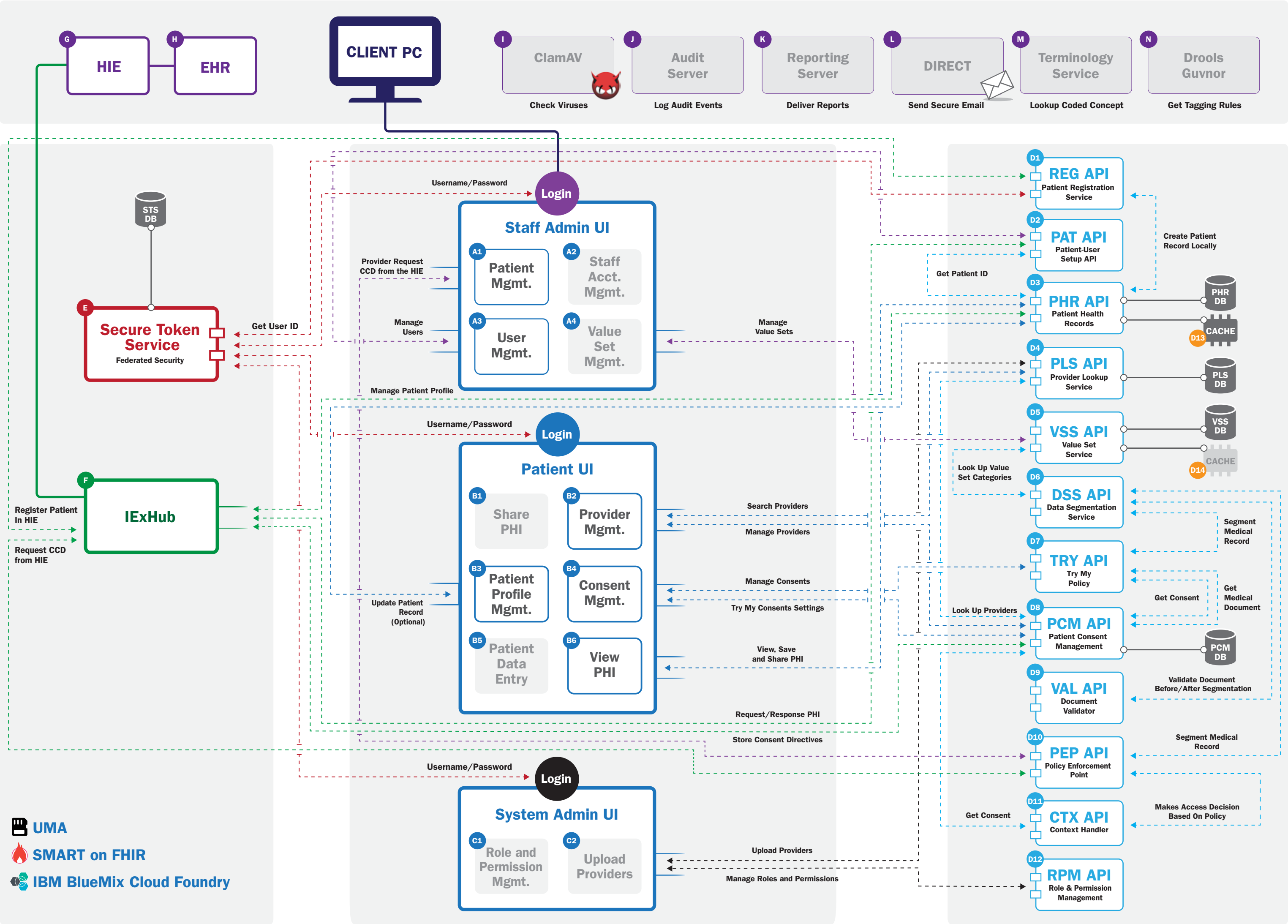


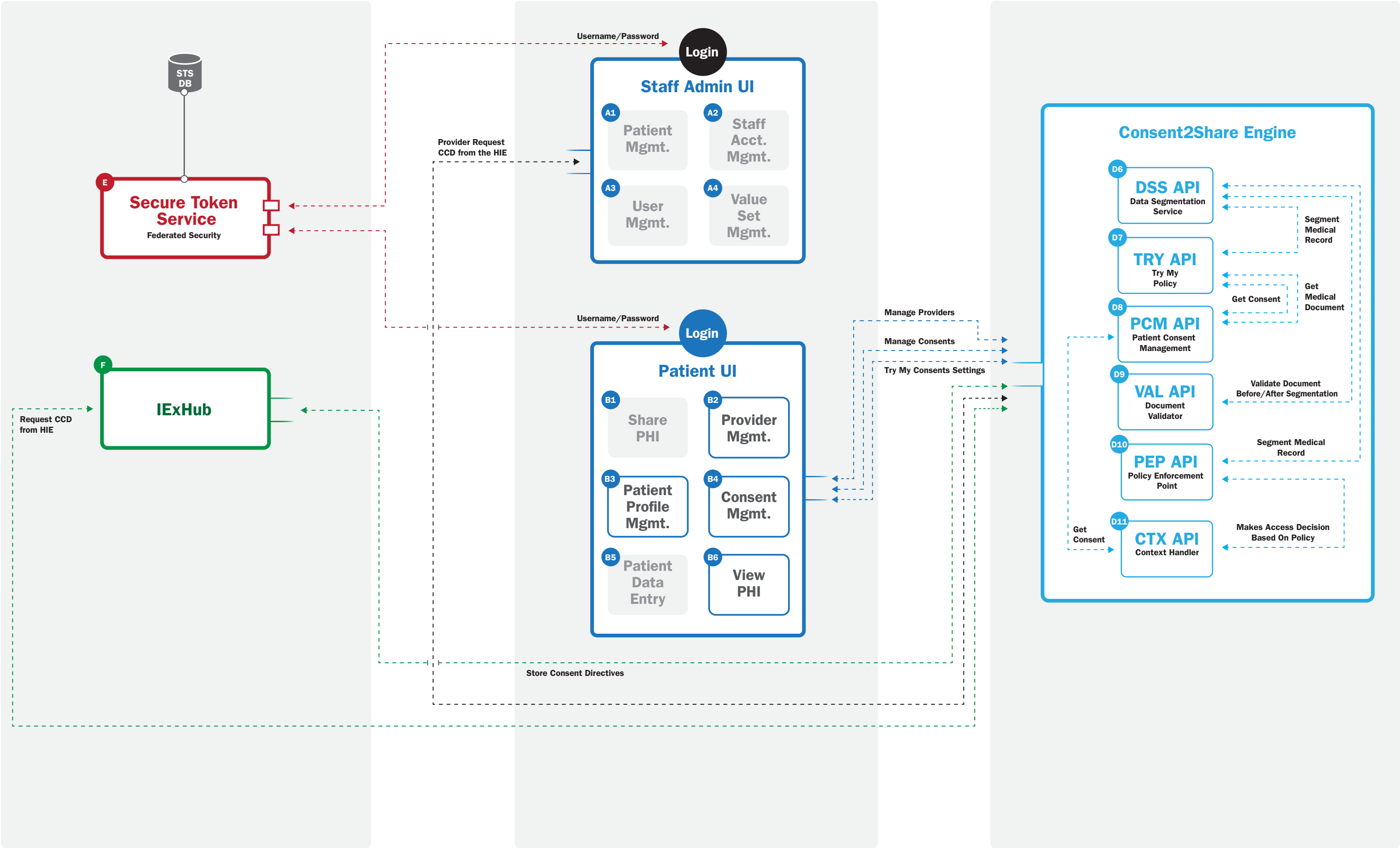
CONSENT2SHARE

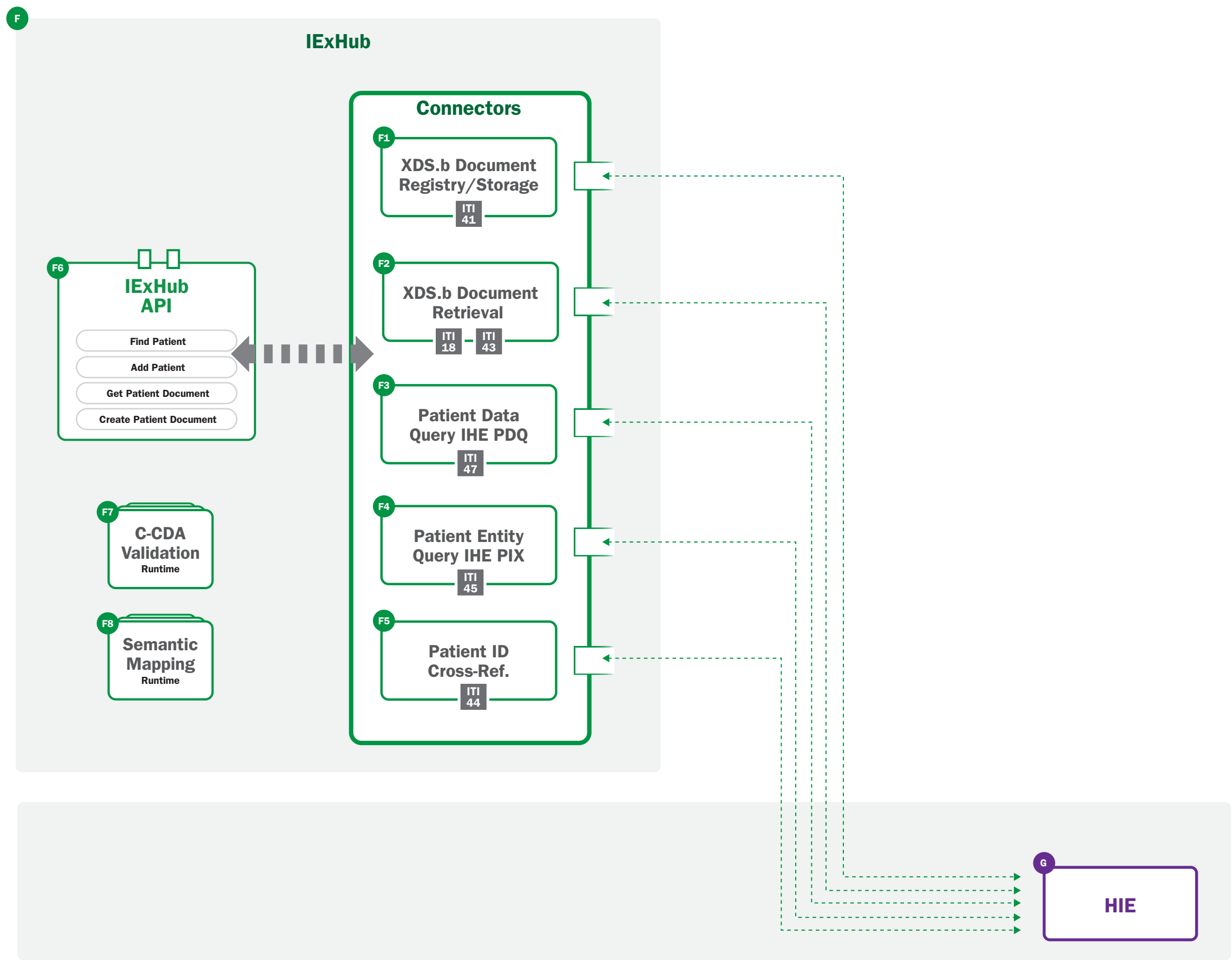
TECHNICAL COMPONENTS

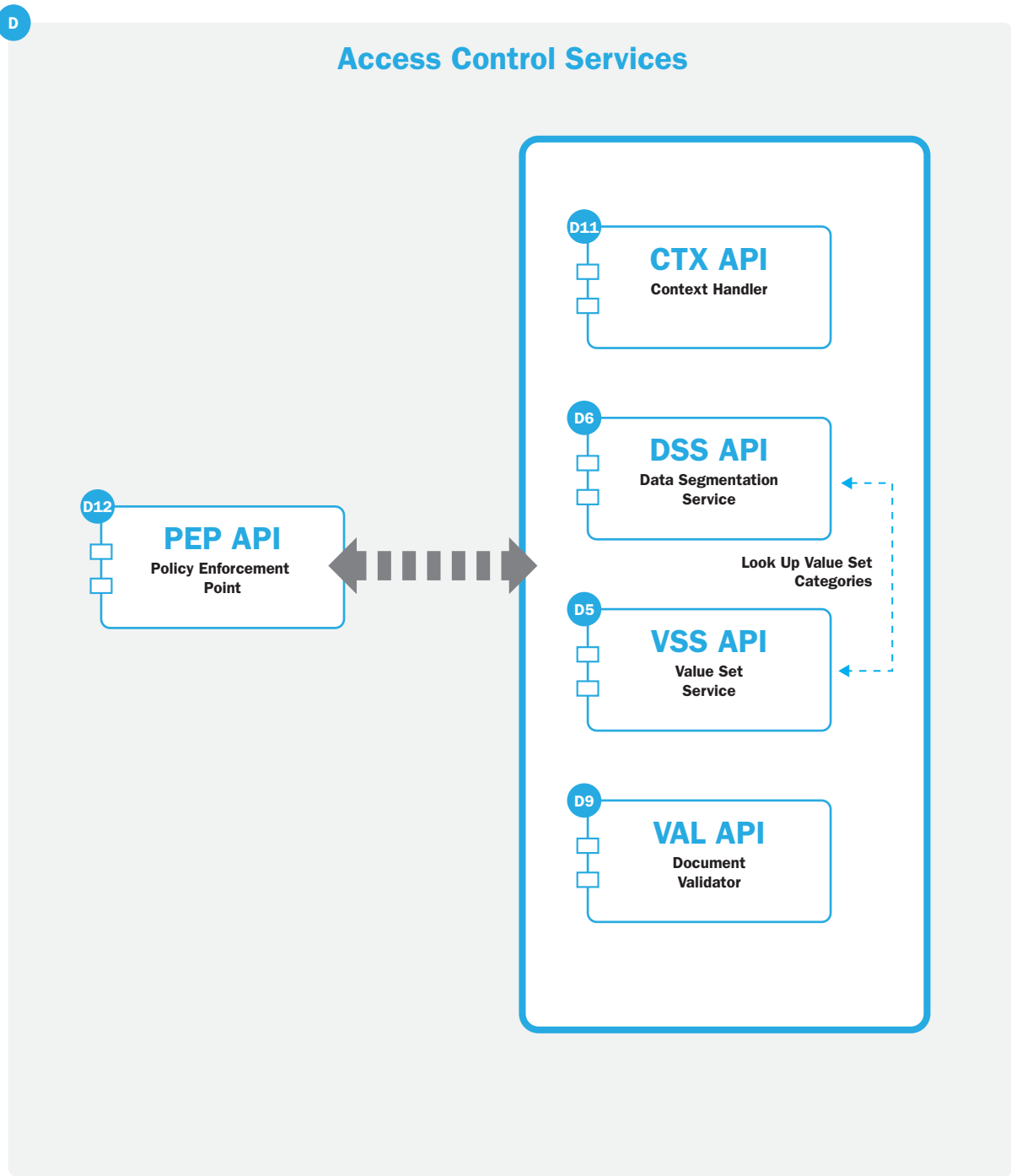
BLUEPRINT

V2.1









A1. Patient Management

Is a module used by administrative staff to create and manage patient accounts.

A2. Staff Account Management

Is a module used by power user (administrative staff) to create and manage user accounts.

A3. User Management

Is a module used by administrative staff to create and manage user accounts.

A4. Value Set Management

Is used by administrative staff to manage value sets and map them to appropriate sensitivity categories and privacy settings.

B. Patient UI

Is an application component that is used by the patient to manage his/her health information.

B1. Share PHI

A module that uses consents to share patient health information between providers and/or patients and providers.

B2. Provider Mgmt.

A module to search and manage the patient’s providers.

B3. Patient Identity Mgmt.

A module used to create and manage patient records in the HIE.

B4. Consent Mgmt.

A module used to create and manage consent policies that determine the level of privacy applied to the patient’s health record when it is shared between providers and/or patients and providers.

B5. Patient Data Entry

A module used for patient self-managed health data, track fitness/health progress, and collect medical readings from electronic medical devices.

B6. View PHI

A module used to view medical records/health information retrieved from the IExHub.

C1. Role and Permission Management

A module to manage roles and permissions and associate them.

C2. Upload Providers

A module to upload files with provider information in the format provided by CMS.

D1. REG API

Patient Registration (REG) API handles patient account creation and requests.

D2. PAT API

Patient User Setup (PAT) API links a "Patient" record (e.g. patient, self, or guardian) to a standard user account and allows the UAA to associate it with a user functions template.

D3. PHR API

Patient Health Record (PHR) API handles requests for viewing and sharing patient health information, and patient entered data.

D4. PLS API

Provider Lookup Service (PLS) API handles requests such as when a user searches for a provider.

D5. VSS API

Value Set Service (VSS) API handles the creation and editing of value sets with the potential to use external services (e.g VSAC).

D6. DSS API

Data Segmentation Service (DSS) API handles the segmentation of a patient’s sensitive health information per their consent. BRMS service is included in DSS.

D7.TRY API

Try My Policy (TRY) API allows patients to try-their-policy against their medical record or a sample medical record in order to view the segmented medical record.

D8. PCM API

Patient Consent Management (PCM) API handles the creation and editing of consent, and also provides the policy for segmentation.

D9. VAL API

Document Validator (VAL) API validates CCDA R1 and 2.1 documents based on schema and schematron rules

D10. PEP API

Policy Enforcement Point (PEP) API recieves requests for patient information and records and checks to see how to handle the request.

D11. CTX API

Context Handler (CTX) API makes decisions based on the consent policy.

D12. RPM API

Role and Permission Management (RPM) API handles the creation and editing of roles and permissions, and association between them.

D13. PHR CACHE

Temporarily stores patient health information retrieved from the IExHub.

D14. VSS CACHE

Temporarily stores value set information in cache memory.

E. Secure Token Service

Federated security model that controls access across several modules and services by issuing tokens for authentication and authorization.

F. IExHub (F1-F8)

A component that provides the Consent2Share application with common semantic process and interoperability capabilities to enable access to patient health data via a standards based HIE implementations.

G. HIE

The system components where the patient health information originates, and which integrates with the IExHub and Patient Portal.

H. EHR

The system component that providers use to manage a patient’s health records and where patient health data will originate.

I. ClamAV

An open source anti-virus engine used in a variety of situations including email scanning, web scanning, and end point security.

J. Audit Server

Logging events which have long-term business significance.

K. Reporting Server

Enabling delivery of reports on a real-time or scheduled basis to the web, to the printer, or to a variety of file formats.

L. DIRECT

A standards-based system component used for secure email communication and transactions between providers, patients and health care organizations.

M. Terminology Service

A standards-based third-party service used to manage coded concepts via SOAP/REST.

N. Drools Guvnor

A centralized repository for Drools Knowledge Bases, with rich web based GUIs, editors, and tools to aid in the management of large numbers of rules.

SMART on FHIR

A set of open specifications to integrate apps with Electronic Health Records, portals, Health Information Exchanges, and other Health IT systems.

UMA

User-Managed Access. OAuth-based access management protocol standard.

Items Not Displayed in Blueprint

- Edge Server and Discovery Server
- Configuration Server
- Transaction Tracing & Circuit Breaker UI*
- Log Aggregation*
- Policy Repository
- Rabbit-MQ & Asynchronous Services*

**Currently Not implemented*