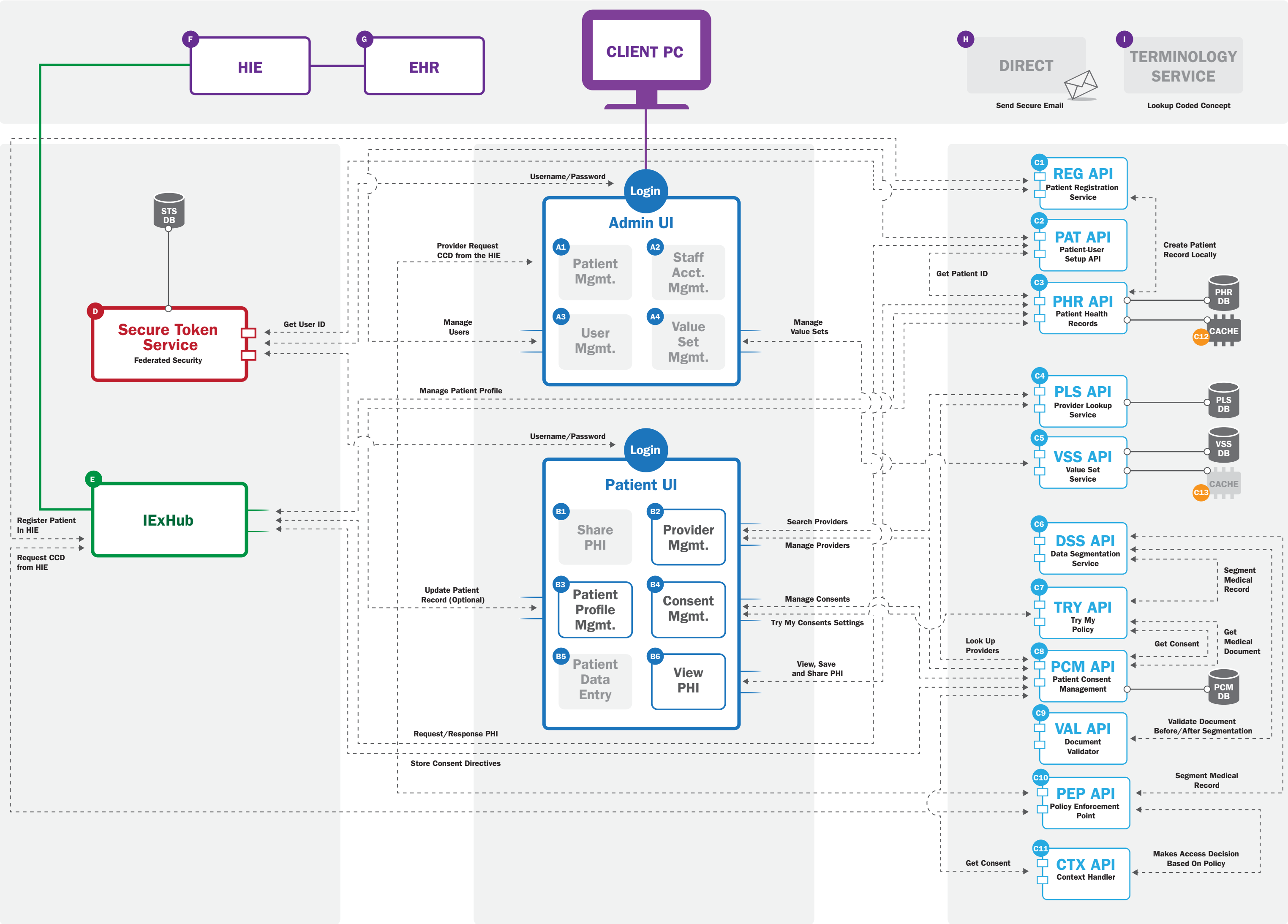


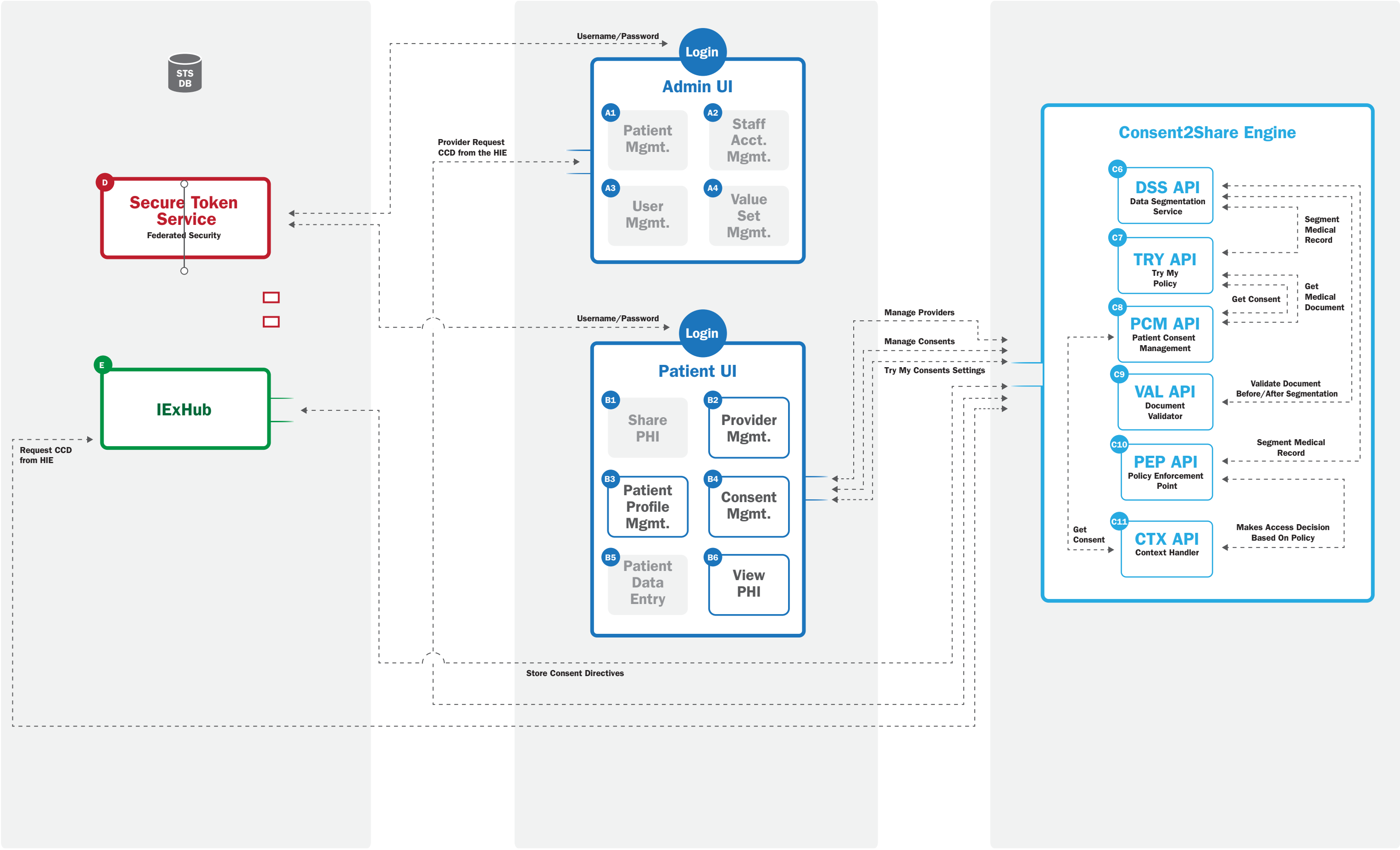
# CONSENT2SHARE

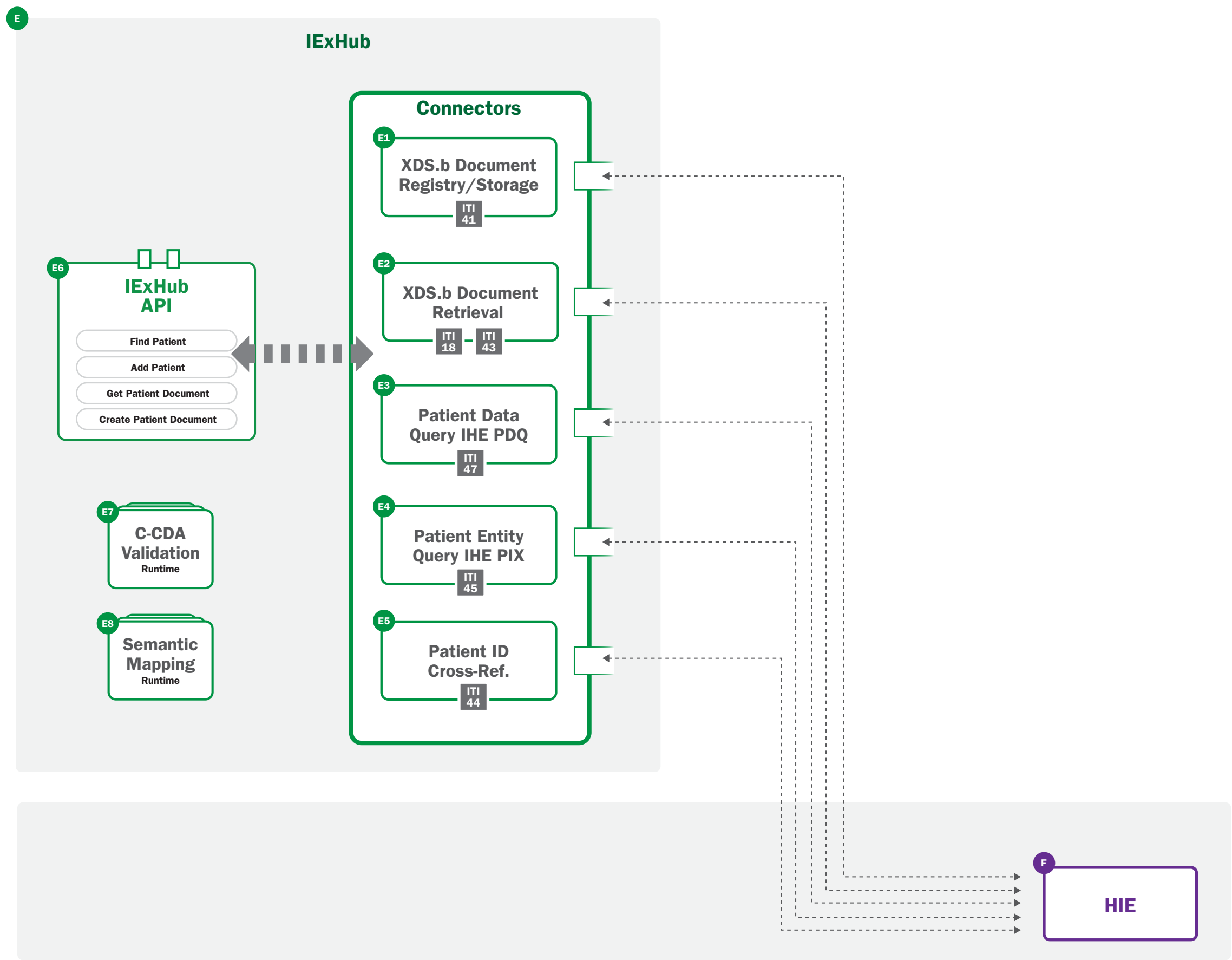
TECHNICAL COMPONENTS

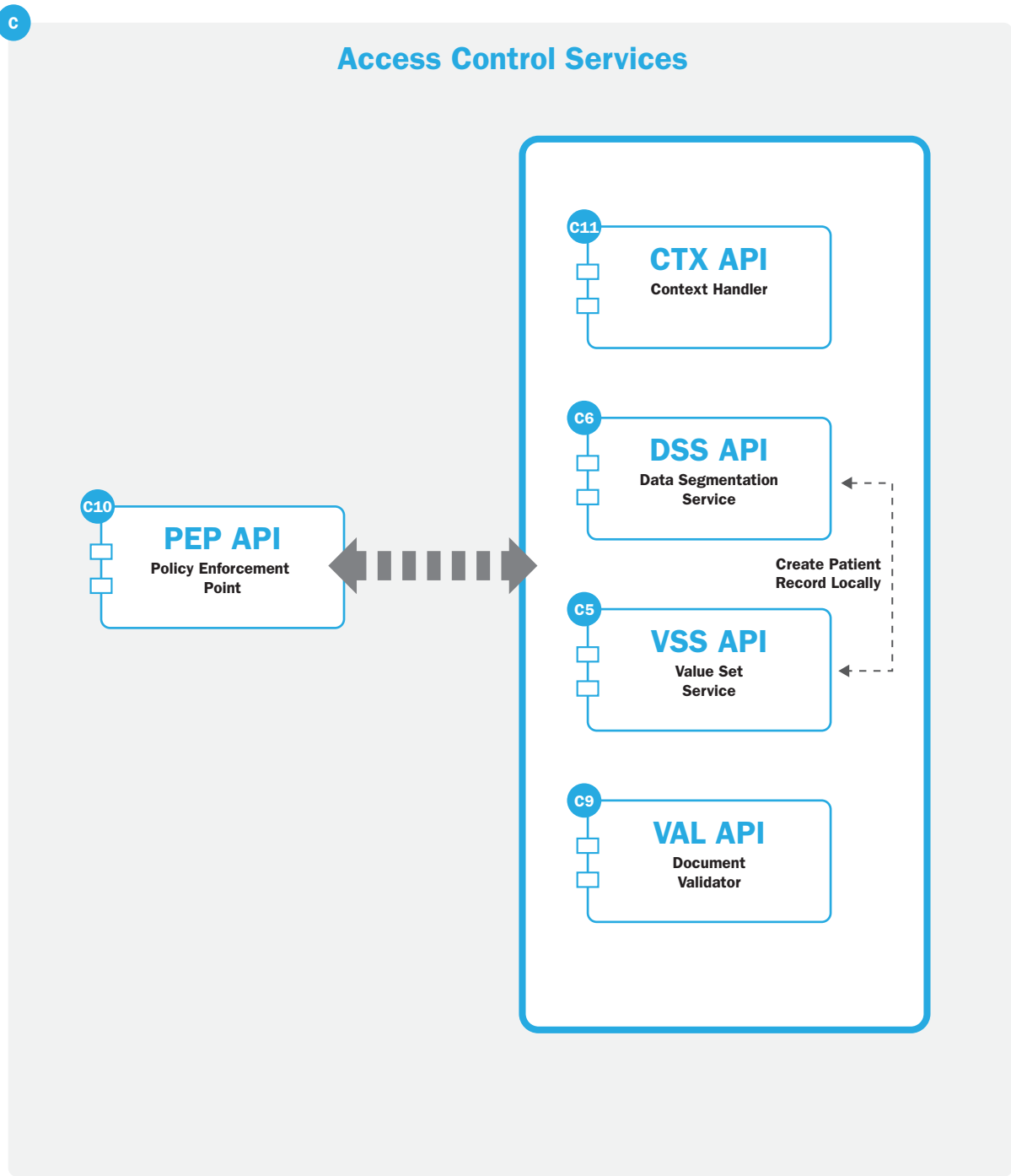
**B L U E P R I N T**

V1.9









**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. REG API**

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

**C2. 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.

**C3. PHR API**

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

**C4. PLS API**

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

**C5. 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).

**C6. 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.

**C7.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.

**C8. PCM API**

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

**C9. VAL API**

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

**C10. PEP API**

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

**C11. CTX API**

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

**C12. PHR CACHE**

Temporarily stores patient health information retrieved from the IExHub.

**C13. VSS CACHE**

Temporarily stores value set information in cache memory.

**D. Secure Token Service**

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

**E. IExHub (E1-E8)**

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.

**F. HIE**

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

**G. EHR**

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

**H. Direct**

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

**I. Terminology Service**

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

**Items Not Displayed in Blueprint**

- Edge Server and Discovery Server\*
- Configuration Server
- Transaction Tracing & Circuit Breaker UI
- Log Aggregation
- Audit Service
- Policy Repository
- Rabbit-MQ & Asynchronous Services
- Provider UI Proof of Concept
- Guvnor

*\*Currently implemented*