Privacy eSuite v6

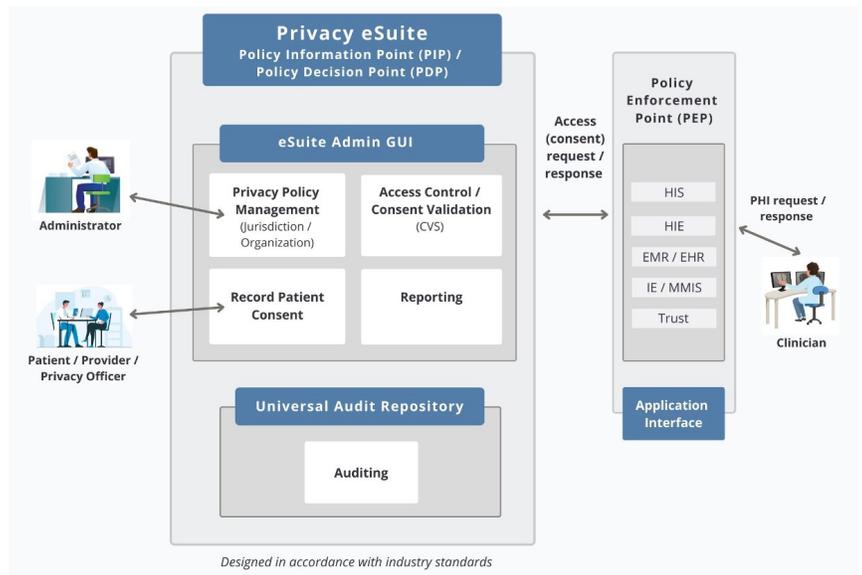## eConsent Management and Centralized Auditing

Challenge

Healthcare organizations, health information exchanges (HIEs) and jurisdictions face the challenge of electronically managing and enforcing individual, organizational and regional privacy consent directives while allowing appropriate access to personal, protected health information (PHI) in support of patient care.

Governments and regional health networks have made significant investments in secure data-sharing frameworks to meet tightening compliance under national legislative mandates, and government-run health systems are adopting centralized consent architectures.

The demand for a battle-hardened, robust, real-time eConsent solution, which incorporates centralized auditing for its infrastructure, is expected to rise sharply.

Electronic communication across diverse healthcare delivery systems requires a solution that:

1. Leverages structured data to achieve end-to-end automated electronic consent management.
2. Uses industry standards to interoperate in an HIE ecosystem occupied by a multitude of EHR systems.
3. Processes complex rulesets governing different consent at various levels, including organizational, regional, and national.
4. Audits access – and attempted access – to all personal health information.

Designed in accordance with industry standards

Solution

Consent management and centralized auditing go beyond role-based access control to address the *appropriateness* of access to PHI.

Privacy eSuite (PeS) is a web-based consent engine developed to enable organizations, HIEs and jurisdictions to electronically manage, enforce and audit complex health information privacy policies in a diverse EHR ecosystem.
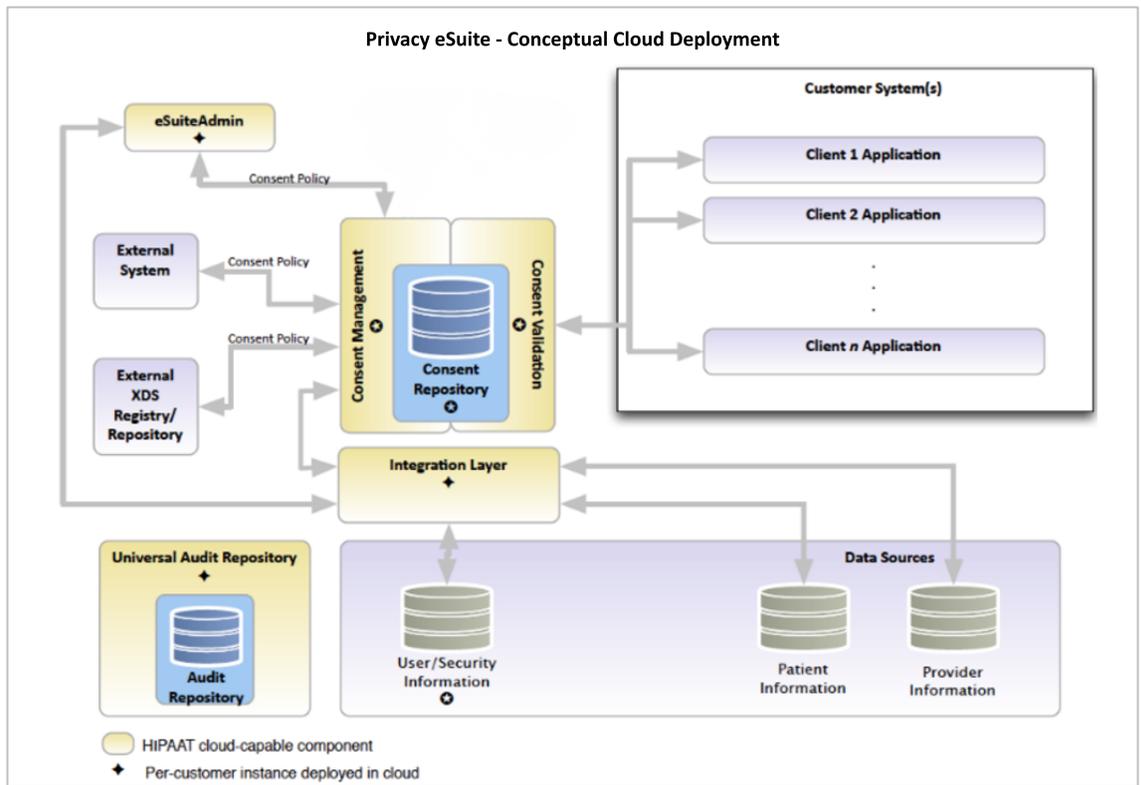
Benefits of Centralized Consent Management	• Consistent, interoperable privacy capabilities for all systems, with minimal integration • The burden of adjudication for appropriateness of access to PHI is removed from point-of-care systems • Updates to access control policies are made network-wide in near-real time • Virtually no impact to workflow

Key Features of Privacy eSuite	• Supports Privacy by Design (PbD) principles
	• Allows providers, organizations and jurisdictions to proactively manage privacy
	• Accommodates the consent policy of virtually any jurisdiction
	• Supports provisions for Accounting of Disclosures and Breach Alerts
	• Design permits a distributed model in cases of multi-region/organization interaction
	• Enables granular, standards-based consent policies that accommodate:
	  ▪ Purpose of use: treatment, research, marketing, etc.
	  ▪ Information type: laboratory results, radiology exam, medication, etc.
	  ▪ Specific user(s): roles, groups of users, facility, etc.
	  ▪ PHI identifiers: category codes, classification codes, etc.

Where PeS Fits

Privacy eSuite provides the backend service that allows patients, using any appropriately registered application (i.e. mobile or web app) to create and manage their informational consent policies when deployed as part of an overall healthcare ecosystem.

It operates at the middle tier as a rules engine to centrally manage and help enforce health information privacy policies established by those patients, as well as by organizations and jurisdictions.

Privacy eSuite - Conceptual Cloud Deployment

Standards Supported

HL7 FHIR R4B (4.3)
ISO/TS 17975
OAuth 2.0, Open ID Connect
IHE ATNA / XDS.b
OASIS XACML v3.0
OASIS XSPA v1.0

Consent Management Service (CMS)	The CMS enables privacy policies to be administered and processed into computable access rules.
Consent Validation Service (CVS)	The high-speed CVS determines if user access to a patient's PHI is appropriate based on the rules of the existing privacy policies.
Universal Audit Repository (UAR)	The UAR is the IHE ATNA-compliant central audit repository that tracks audit events related to updates, queries, and retrieval access to PHI.

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