Consent2Share
Patient Consent Management & Access Control Services

Prepared for: **Consent2Share Presentation & Demonstration to SAMHSA Beacon Community**
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Presentation Agenda

Introduction (Bear Polk)

- **SAMHSA & FEi Teams**
- **OBHITA Project**
- **Consent2Share Project Objectives**

Architectural Overview (Joel Amoussou, FEi)

Software Demonstration of Patient Consent Management (Burak Tasel & FEi Team)

Questions and Answers

SAMHSA Team

Maureen Boyle, Ph.D. - Lead Public Health Advisor, Health IT, Division of State & Community Assistance, SAMHSA Center for Substance Abuse Treatment

Richard Thoreson, Ph.D. - Public Health Advisor, SAMHSA Center for Substance Abuse Treatment

Ken Salyards - Special Health IT Advisor, SAMHSA

FEi Systems

FEi Systems:

- Founded in 1999, based in Columbia, Maryland
- Focused on Health IT, specializing in Behavioral Healthcare
- Certified 8(a)
- CMMI® Maturity Level 3
- 140+ employees and consultants

FEi Team:

- **Rodney Conrad** – OBHITA Project Director
- **Bear Polk** – OBHITA Project Manager & Software Development Team Manager
- **Joel Amoussou** – Interoperability & Systems Architect , Development Lead for Consent2Share ACS.
- **Burak Tasel** – Software Developer, FEi Development Lead for VA-SAMHSA DS4P Pilot
- **Ludwing Najera** – User Experience Architect for Consent2Share.

OBHITA:

(Open **B**ehavioral **H**ealth **I**nformation **T**echnology **A**rchitecture)

- 5 -Year contract, currently in 4th year of contract

- Reusable Open Source Software Components & BH Standards
  - Software Development:
    - ASAM Criteria Software – ASAM Patient Placement Criteria assessment tool
    - PRO Center – Open Source Behavioral Health Assessment platform
    - VA-SAMHSA DS4P Pilot – Demonstrated prototype implementation of the DS4P Implementation Guide at HIMSS13
    - Consent2Share – Patient Consent Management & Access Control Services (ACS)
  - Behavioral Health Standards Development
    - Behavioral Health CCD
    - Healthcare Security Classification System

C2S Goals:

- Demonstrate that privacy consent and data segmentation software tools and standards, developed through HHS initiatives, can be used to allow patient health record sharing in an environment where privacy regulations are currently an impediment.

- Show how privacy consent and data segmentation software tools and standards allow patients receiving behavioral health treatment to share their health information while providing improved protection of their privacy.

C2S Objectives:

- Develop a production-grade privacy and consent management system which is capable of supporting a pilot implementation which demonstrates that patient health record sharing can be successful within the privacy constraints of a 42-CFR, Part 2 environment.

- By the Fall of 2013, deliver a C2S system that is ready for a pilot implementation.
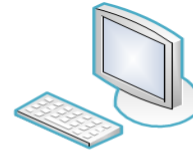
Our Vision of the ideal Pilot:

- Providers in the pilot already have the need to share patient data across provider sites.

- At least one of the provider sites in the pilot must be a 42 CFR, Part 2 facility.

- At least one of the provider sites in the pilot provides primary care.

- Patient health information exchange will occur between Part 2 providers and non-part 2 providers.

- Providers sites for the pilot have implemented and are already using a certified EHR.

- Provider EHRs can produce patient CCD records in c32 format (or C-CDA)

- Provider sites in the pilot already have an established connection to an HIE.

Consent2Share
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- Consent2Share Patient Consent Management
  - Patient-facing Consent Management User Interface which allows patient's to provide informed consent.
  - Key Features - Patients will be able to:
    - Learn about patient privacy options and be capable of providing informed consent. (evaluating eConsent)
    - Define which providers they want to share their records with
    - Define their privacy policy and sign electronic consent.
    - Try their privacy policy against their actual health record.
    - Receive/Send messages from providers who have, or want to establish, a sharing connection
    - Delegate management of their privacy and consent to a caregiver
  - Technical Highlights:
    - HTML front-end using Responsive Web Design which will support Desktop-Platform-Mobile Access
    - Cloud-based, modeled after Kantara concept
    - Secure privacy policy/consent storage.
      - Login/Registration & Authorization supporting LDAP and OAuth2 implementations
      - Validated through white-hat penetration testing
  - Customizable consent forms
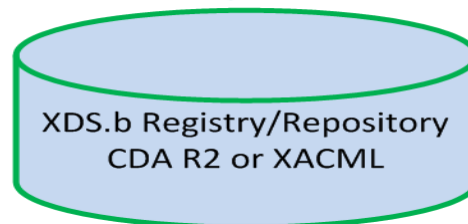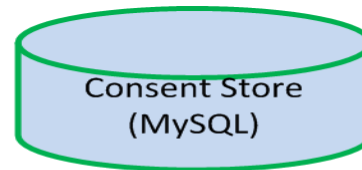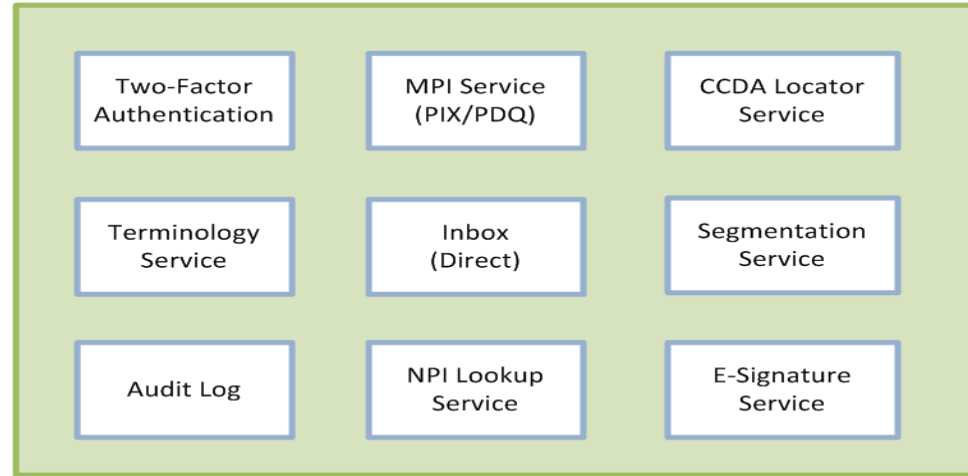
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Consent2Share Access Control Services (ACS)

- XDS.b Repository

- Policy Decision Point (PDP) - WSO2

- Segmentation Service

- Business Rules Management System - Drools

- Terminology Services

- PEP Integration point

- Integration with HIE MPIs

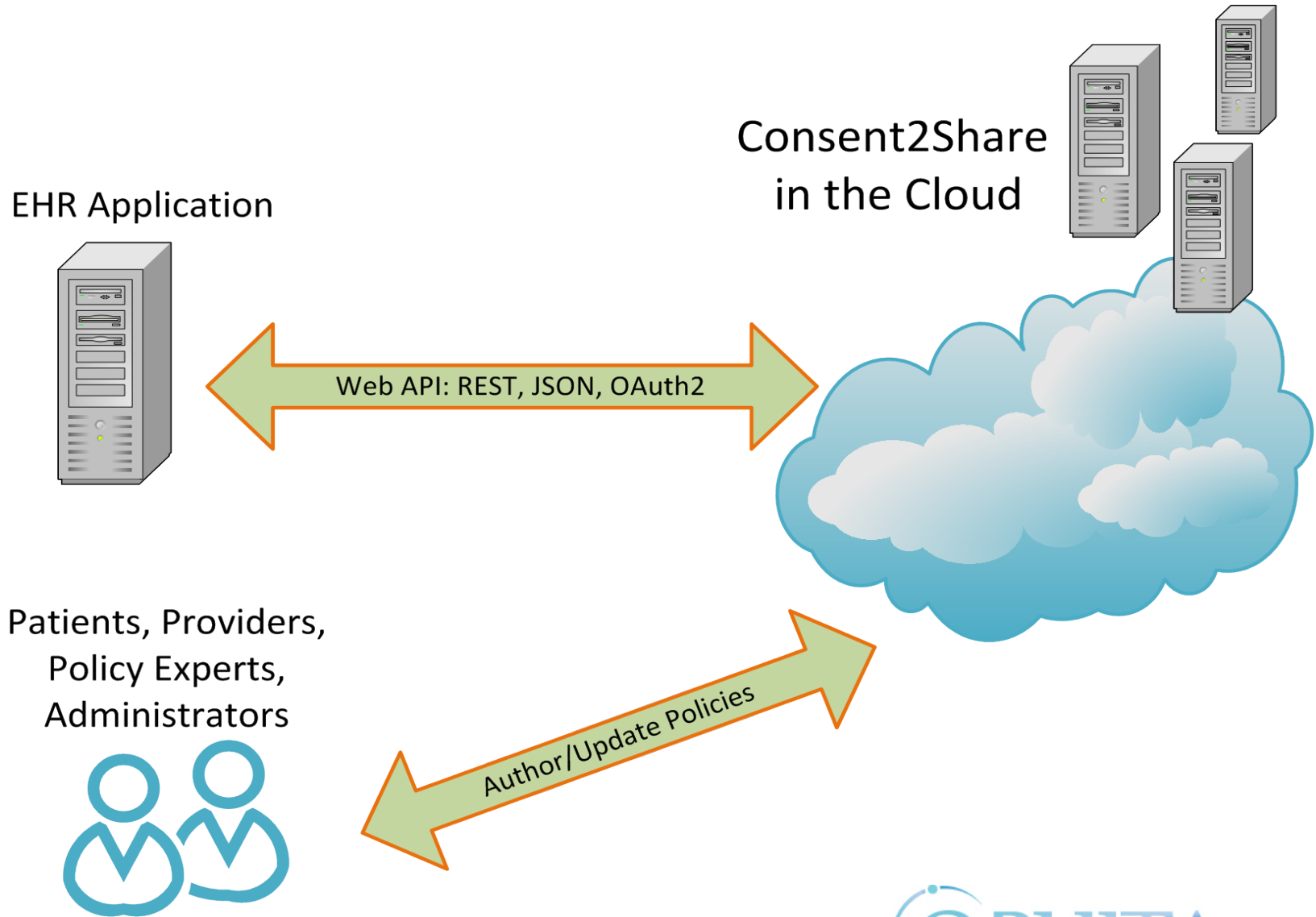- Jurisdictional and Organizational privacy policy management
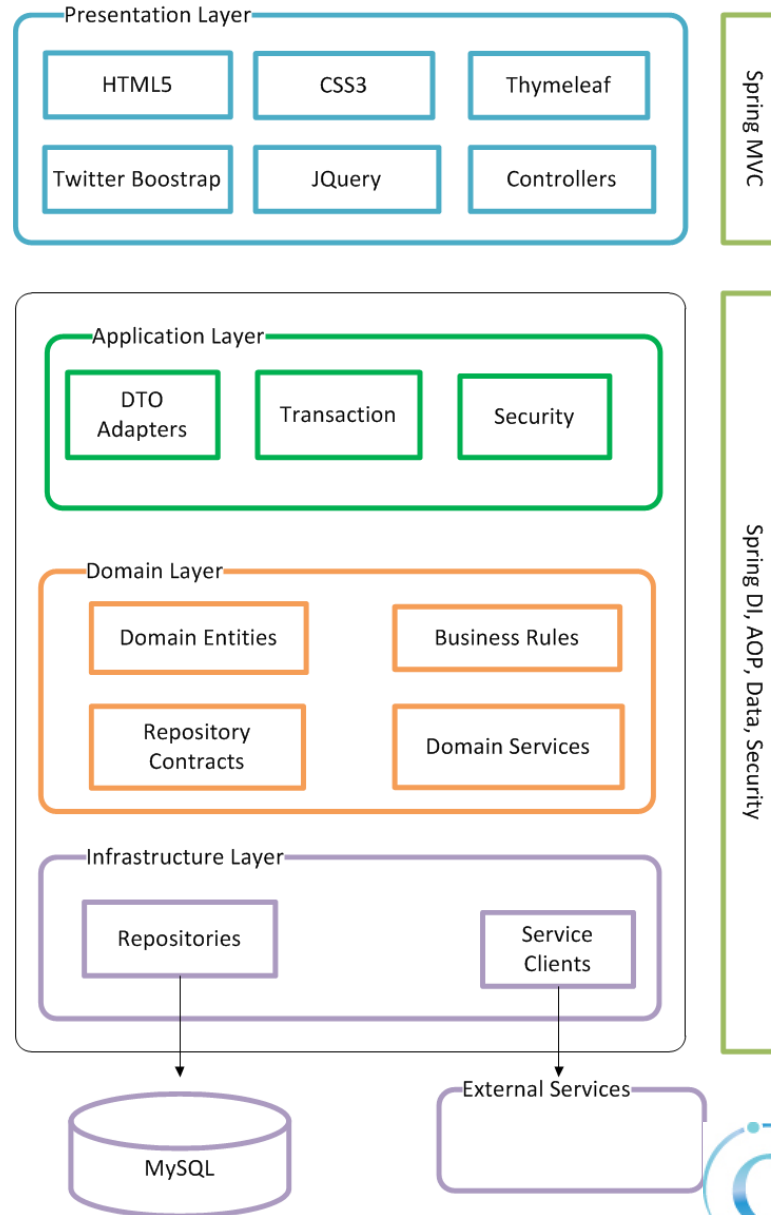
Consent2Share Architecture
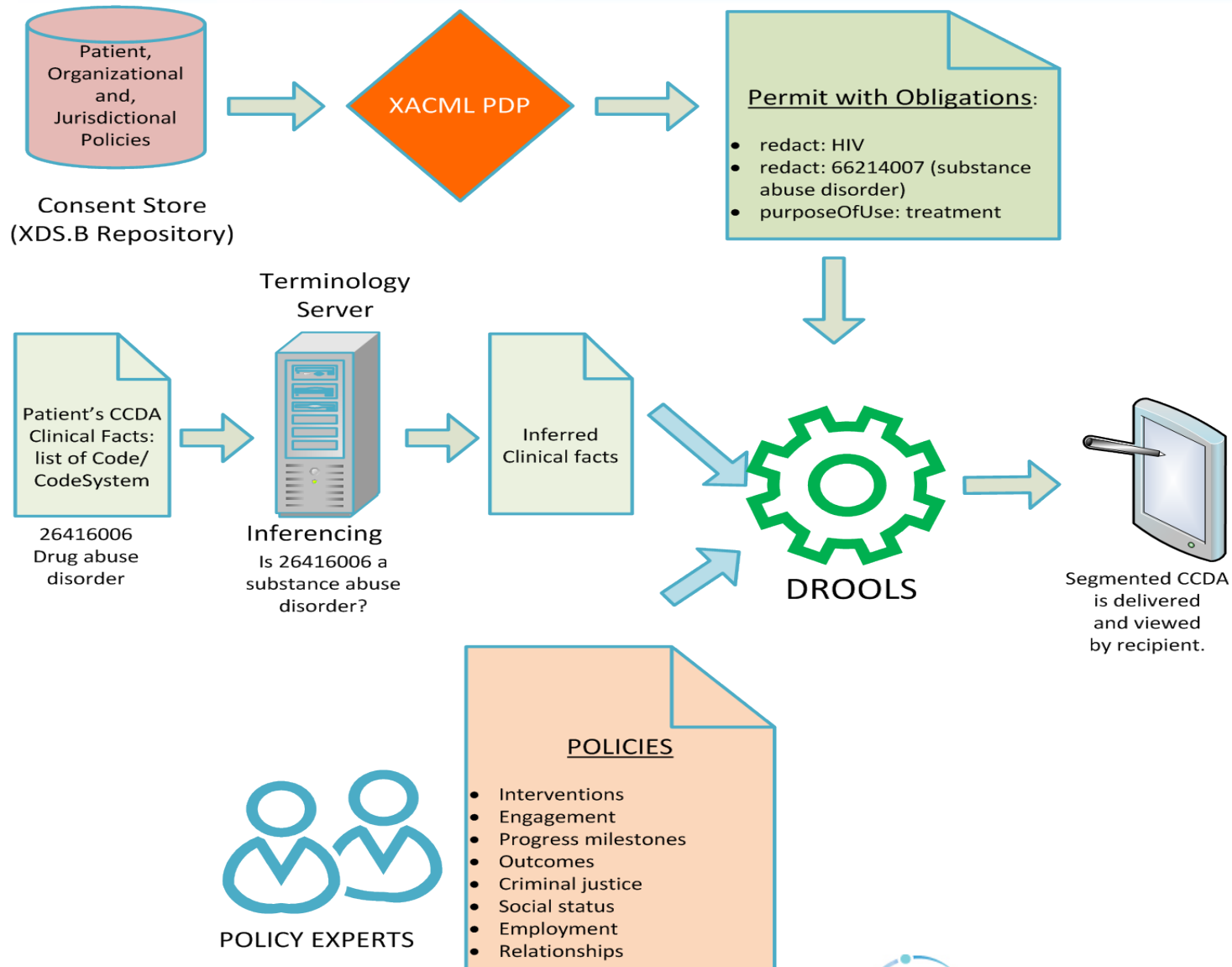

Web API Client (e.g. EHR)
JSON/REST/OAuth2

Two-Factor Authentication	MPI Service (PIX/PDQ)	CCDA Locator Service
Terminology Service	Inbox (Direct)	Segmentation Service
Audit Log	NPI Lookup Service	E-Signature Service

Consent Store
(MySQL)

XDS.b Registry/Repository
CDA R2 or XACML

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Consent2Share Architecture

EHR Application

Consent2Share in the Cloud

Web API: REST, JSON, OAuth2

Patients, Providers, Policy Experts, Administrators

Author/Update Policies

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Consent2Share Architecture

Consent2Share Architecture

Consent2Share Demo

Share with confidence.

Your health is between you and your doctor, so take control of your medical privacy.

Log in with your C2S account

Username:

Password:

Login

Trouble accessing your account?

What is privacy consent?

If you have ever visited a doctors office to receive treatment, you most likely were asked by a receptionist at the lobby to fill out a privacy consent form as part of your office visit. But what is a privacy consent form, and how does it effect your health and your privacy?

learn more

About Consent 2 Share.

Consent 2 Share is a publicly funded program which provides individuals with education resources and electronic tools necessary to manage sharing of health records in a safe and secure manner.

learn more

Learn about privacy.

Every year millions of individuals visit the doctors office and are asked to share their medical records as part of receiving treatment. The unintended consequence is that...

learn more

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