Collaborating to Build the Security and Trust Framework for Scalable Directed Exchange

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Senior Advisor, AAFP -- Pres./CEO DirectTrust.org
Redwood MedNet
July 19-20, 2012

Your Speaker

David C. Kibbe, MD MBA recent positions

dkibbe@aafp.org

- Principal, The Kibbe Group LLC : 2006-present
- President and CEO, DirectTrust.org
- Senior Advisor, American Academy of Family Physicians: 2006 - present
- Chairman, ASTM E31 Healthcare Informatics Technical Committee: 2008 - present
- Health 2.0 Advisory Board Member - 2007 - present
- Former Director, Center for Health Information Technology, AAFP: 2002-2006
- Co-chair, Physicians' EHR Coalition (PEHRC): 2003 - 2005
- Project Director, Lumetra Doctors Office Quality (DOQ-IT) Project - 2003-2005
- Co-chair, Workgroup on HIT in Small Practices, eHealthInitiative: 2004 -2005
- Co-chair, Workgroup on Data Sharing and Aggregation, AQA: 2004 - 2006
- Chair, Subcommittee on Information Technology, AQA: 2005 - 2006
- Member, JCAHO HIT Advisory Board: 2005 - 2006
- Member, Interoperability Workgroup, CCHIT: 2003 - 2004
- Member, Steering Committee, AHRQ NRC-HIT: 2004 - 2005

family physician

software developer

writer / speaker

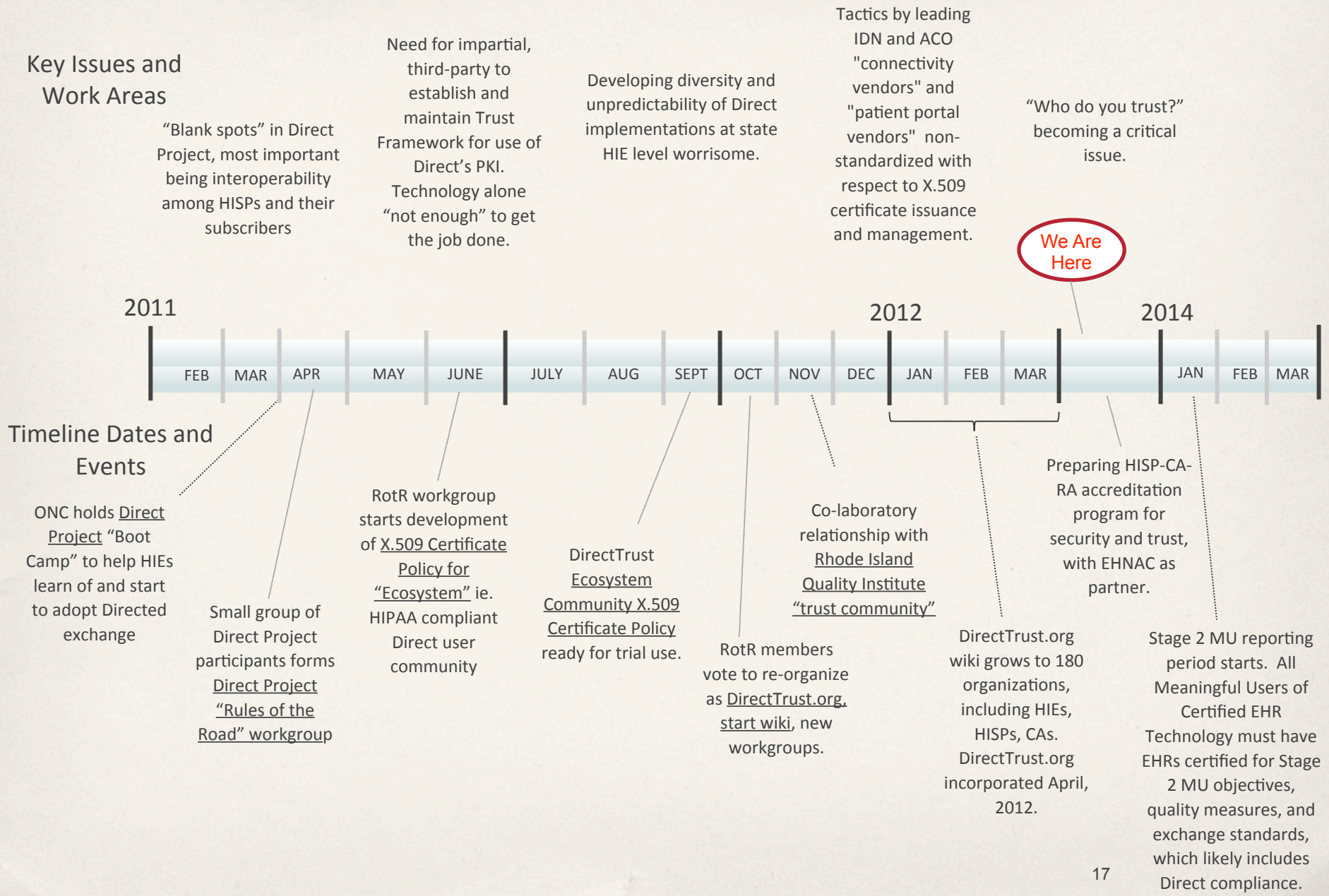
IT consultant

sailing enthusiast

Key content for today's talk

- Brief history and background on DirectTrust.org
- Participants, mission, goals.
- Review of work accomplished to date.
- Look forward to work still to be done
- Questions and discussion (at least 10 minutes)

Timeline for DirectTrust.org



"Before DirectTrust.org, no one knew I was a dog."

MedAllies
Integrated Data. Innovative Technology

Rhode Island Quality Institute

surescripts
The Nation's E-Prescription Network

AMERICAN ACADEMY OF FAMILY PHYSICIANS
STRONG MEDICINE FOR AMERICA

CERNER
All Together

Walgreens
There's a way

Gorge Health Connect, Inc.
Information Exchange Solutions

Inpriva

"Before DirectTrust.org, no one knew I was a dog."

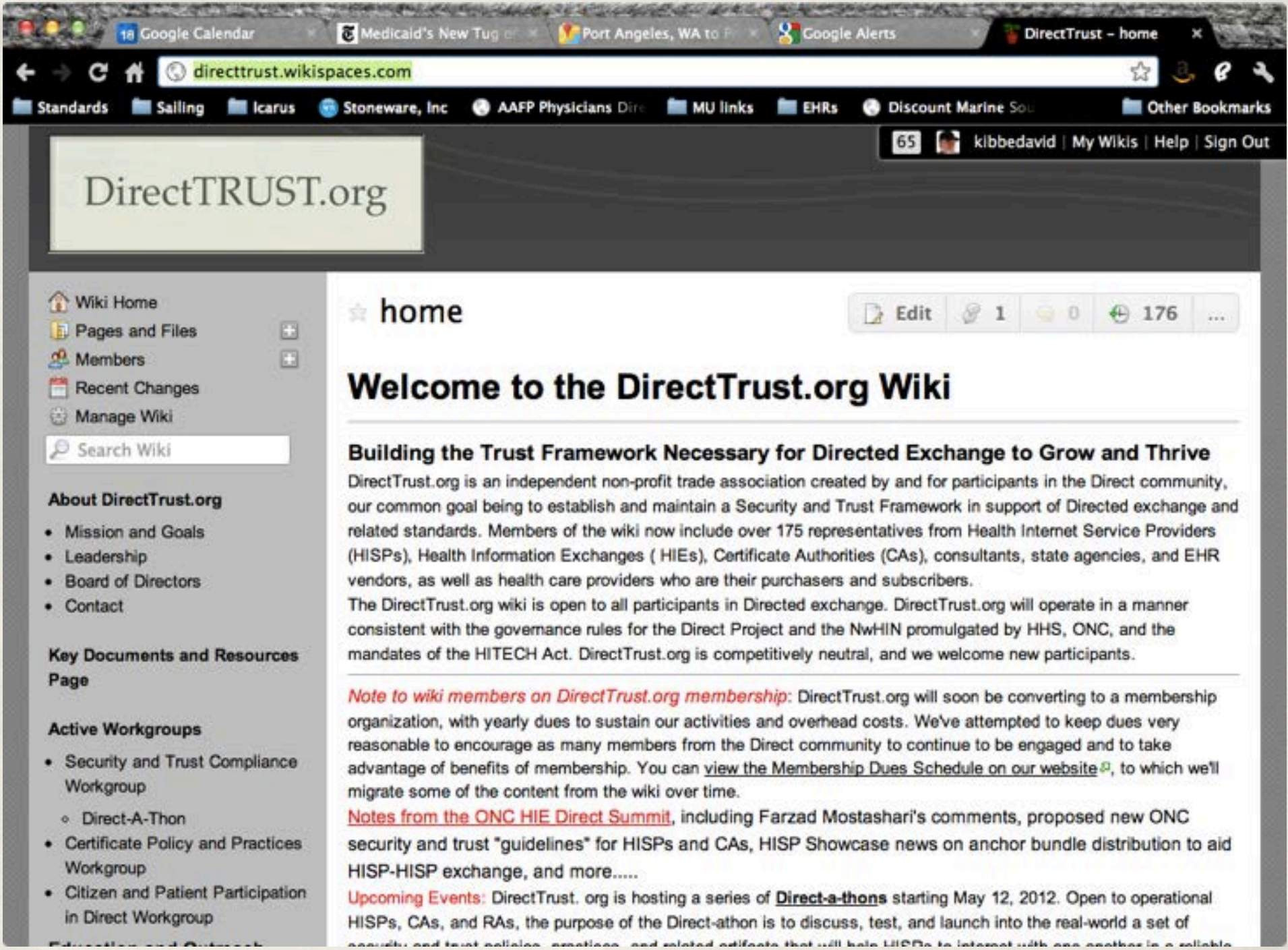
arcadia solutions
Advanced healthcare simplified

healthwise®
for every health decision®

SAFE-BioPharma

digicert®
Your Success is Built on Trust™

DirectTrust.org's Board of Directors is as diverse as its wiki membership, representing state HIEs, HISPs, Certificate Authorities, provider groups, patient advocates, EHRs, and consultants.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Recent Changes
Manage Wiki
Search Wiki
About DirectTrust.org
Mission and Goals
Leadership
Board of Directors
Contact
Key Documents and Resources Page
Active Workgroups
Security and Trust Compliance Workgroup
Direct-A-Thon
Certificate Policy and Practices Workgroup
Citizen and Patient Participation in Direct Workgroup
home
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...
Welcome to the DirectTrust.org Wiki
Building the Trust Framework Necessary for Directed Exchange to Grow and Thrive
DirectTrust.org is an independent non-profit trade association created by and for participants in the Direct community, our common goal being to establish and maintain a Security and Trust Framework in support of Directed exchange and related standards. Members of the wiki now include over 175 representatives from Health Internet Service Providers (HISPs), Health Information Exchanges (HIEs), Certificate Authorities (CAs), consultants, state agencies, and EHR vendors, as well as health care providers who are their purchasers and subscribers.
The DirectTrust.org wiki is open to all participants in Directed exchange. DirectTrust.org will operate in a manner consistent with the governance rules for the Direct Project and the NwHIN promulgated by HHS, ONC, and the mandates of the HITECH Act. DirectTrust.org is competitively neutral, and we welcome new participants.
Note to wiki members on DirectTrust.org membership: DirectTrust.org will soon be converting to a membership organization, with yearly dues to sustain our activities and overhead costs. We've attempted to keep dues very reasonable to encourage as many members from the Direct community to continue to be engaged and to take advantage of benefits of membership. You can view the Membership Dues Schedule on our website, to which we'll migrate some of the content from the wiki over time.
Notes from the ONC HIE Direct Summit, including Farzad Mostashari's comments, proposed new ONC security and trust "guidelines" for HISPs and CAs, HISP Showcase news on anchor bundle distribution to aid HISP-HISP exchange, and more.....
Upcoming Events: DirectTrust. org is hosting a series of Direct-a-thons starting May 12, 2012. Open to operational HISPs, CAs, and RAs, the purpose of the Direct-athon is to discuss, test, and launch into the real-world a set of

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Collaborating to Build the Security and Trust Framework for Directed Exchange

DirectTrust

DirectTrust.org

DirectTrust.org, Inc. is a non-profit multi-participant stakeholder alliance whose aim is to establish and maintain the Security and Trust Framework necessary for Directed exchange to grow at national scale.

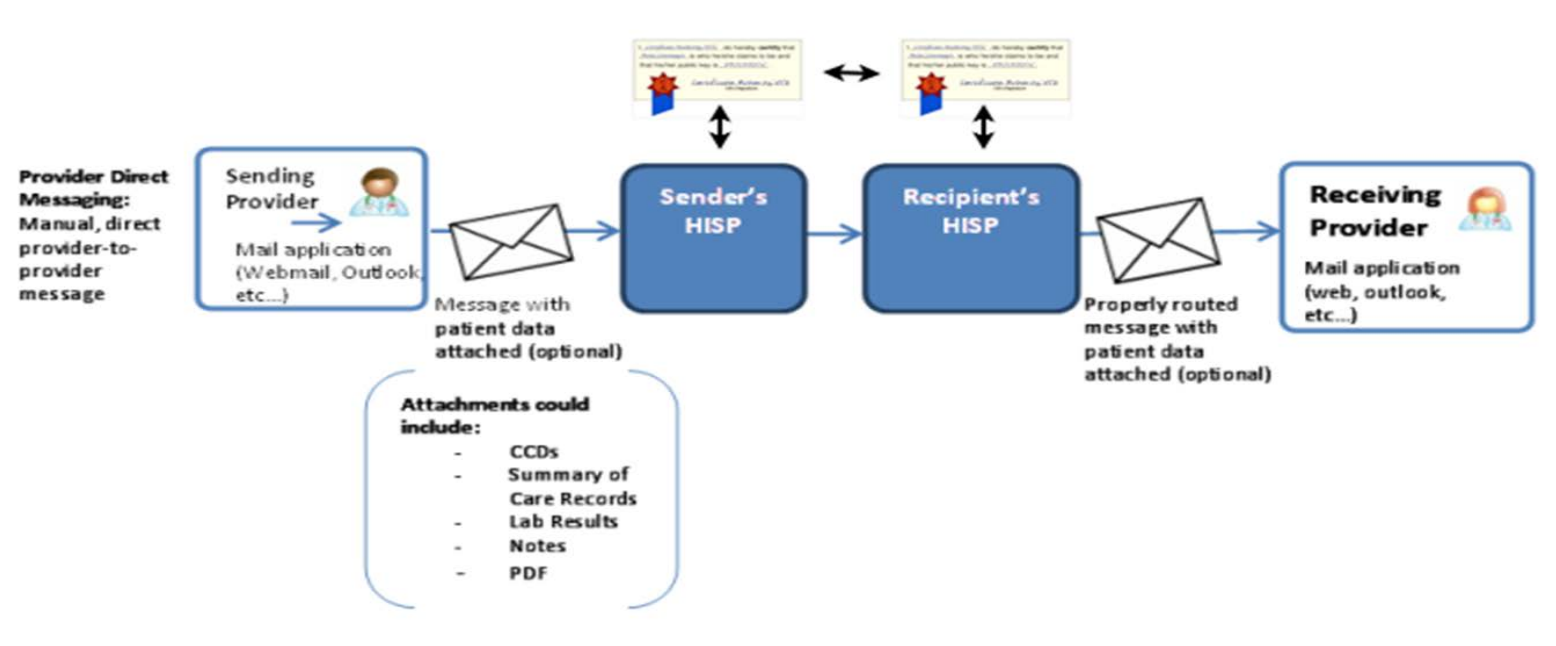
DirectTrust.org has developed an **X.509 Digital Certificate Policy** that is widely used within the Direct community to align Registration Authorities' and Certificate Authorities' issuance and management of digital certificates used for identity validation and encryption of Direct messages.

DirectTrust.org is developing a **national Accreditation Program for HISPs, CAs, and RAs,** and may collaborate with the Electronic Health Network Accreditation Commission, EHNAC, on the delivery of this service to meet the growing industry demand.

Health Internet Service Provider

Duties of a HISP:

- provide subscribers with account and Direct addresses (like ISP)
- provide web portal or EHR/PHR integration (like e-mail client app)
- arrange for identity verification - org and individual [**RA function**]
- arrange for digital certificate issuance, management [**CA function**]
- maintain integrity of trust and security framework [**DirectTrust.org**]
- stay current with federal policies and regulations [**DirectTrust.org**]



Health Internet Service Provider

e-mail

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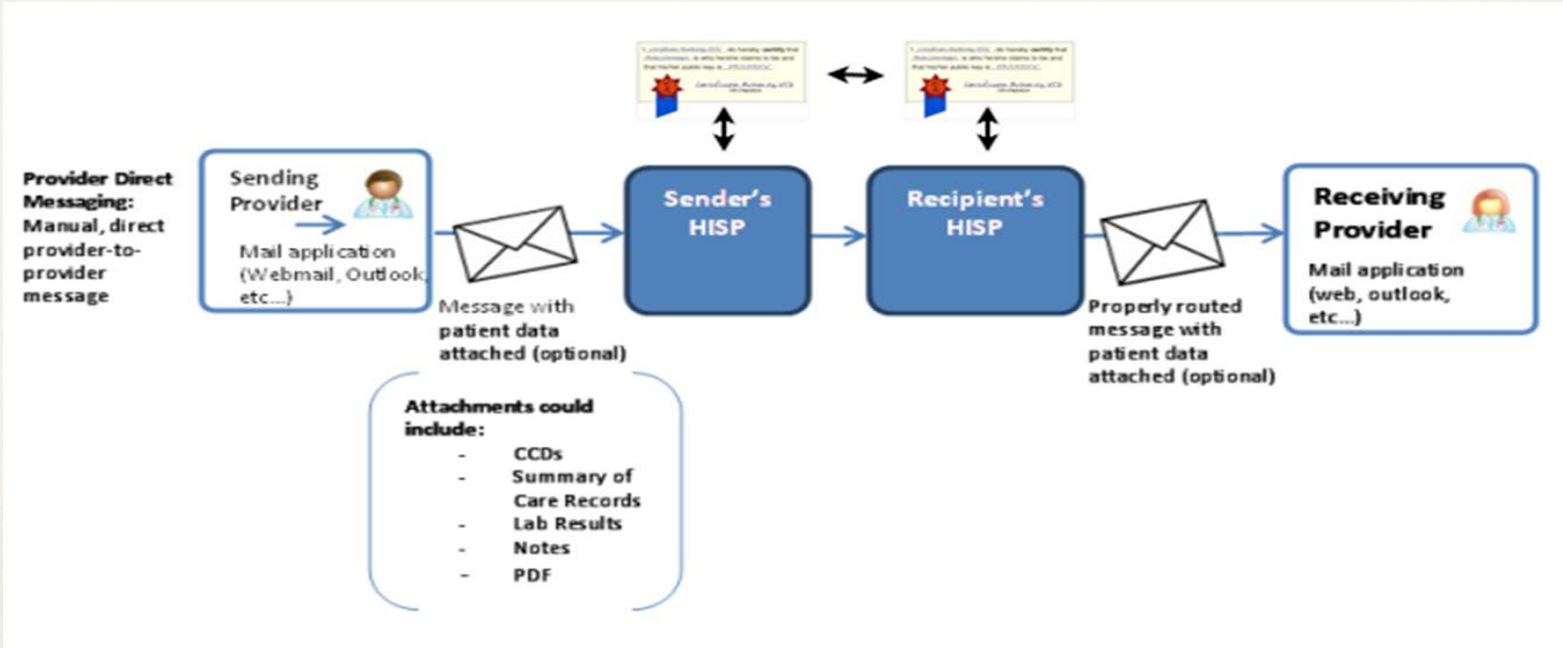

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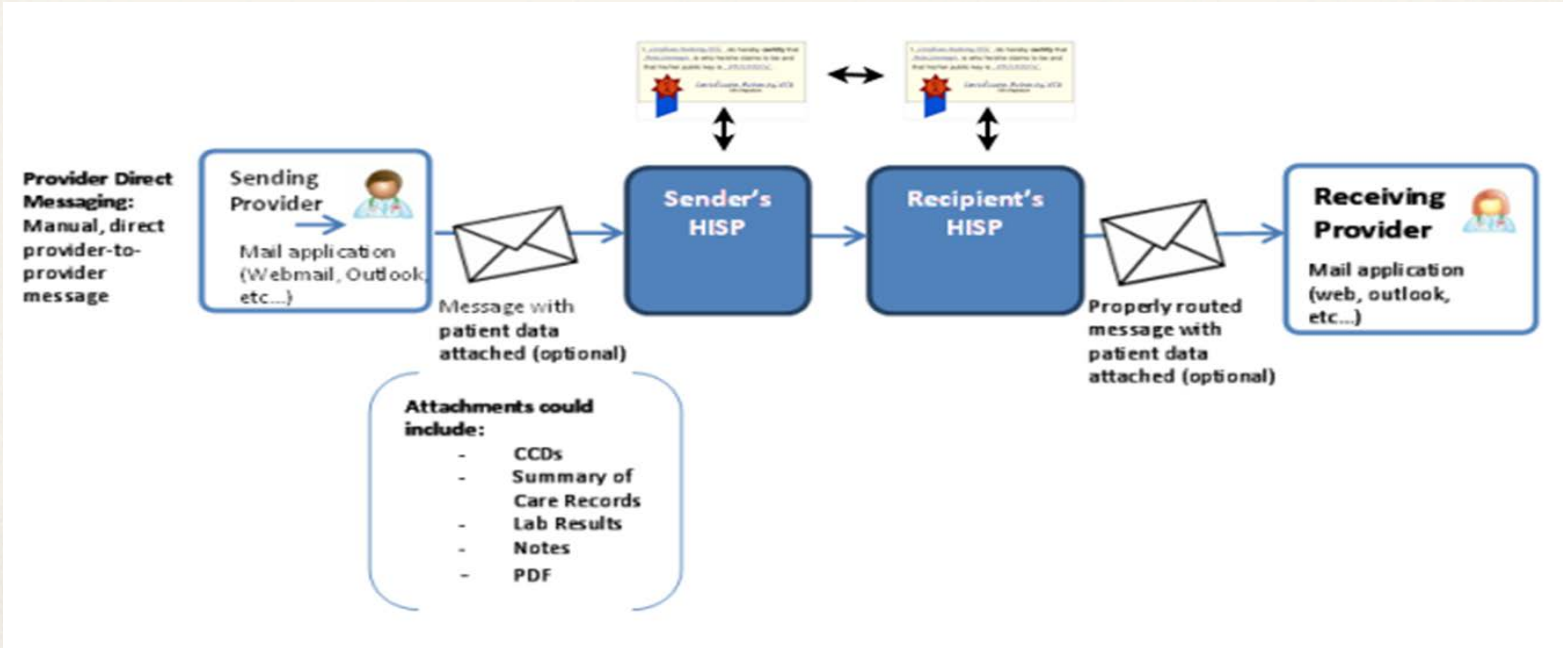


DirectTrust Participants, Policies, and Authorities

Participant	Policy & Practices	Policy Authority or Accreditor/
Subscriber, addressee (Federal agency, providers, BAs, patients)	HIPAA where applicable, Subscriber Agreement	HIPAA, applicable state privacy laws.
Relying parties e.g. EHRs, NVEs, PHRs	HIPAA where applicable, Relying Party Agreement and/or Privacy Statement	HIPAA, applicable state privacy laws.
HISP	HISP Operational Policy, HISP Practices Statement	DirectTrust.org/EHNAC, ONC, HIPAA
Certificate Authority	Certificate Policy and Certificate Policy Statement	DirectTrust.org/EHNAC, ONC, HIPAA
Registration Authority	Registration Policy and Registration Policy Statement	DirectTrust.org/EHNAC, ONC, HIPAA

Key Areas of DirectTrust Policy and Governance

Definitions, Roles, Functions

Security Policies and Practices

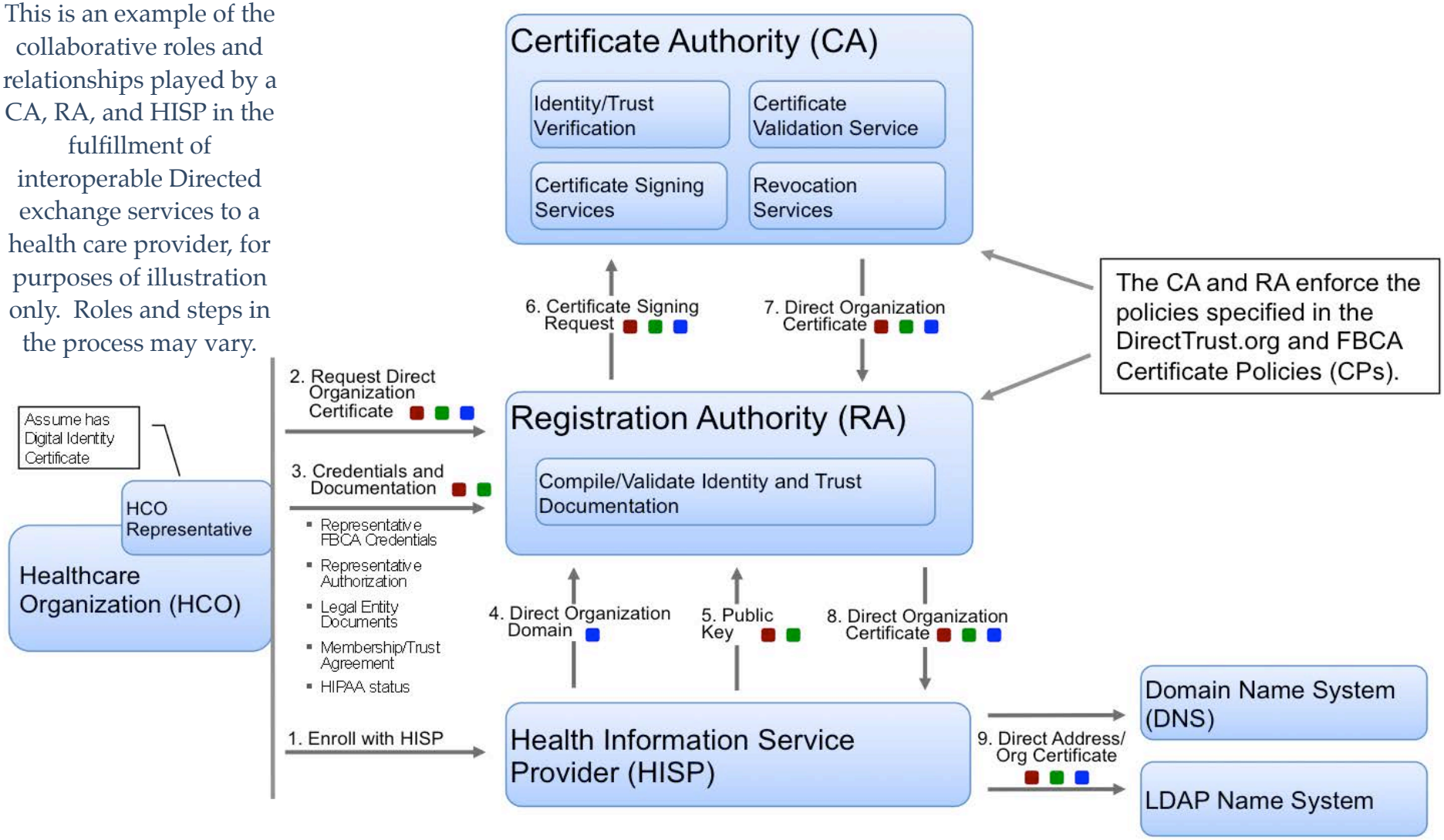
Identity Verification Practices

Certificate Issuance and Management

Enforcement Activities

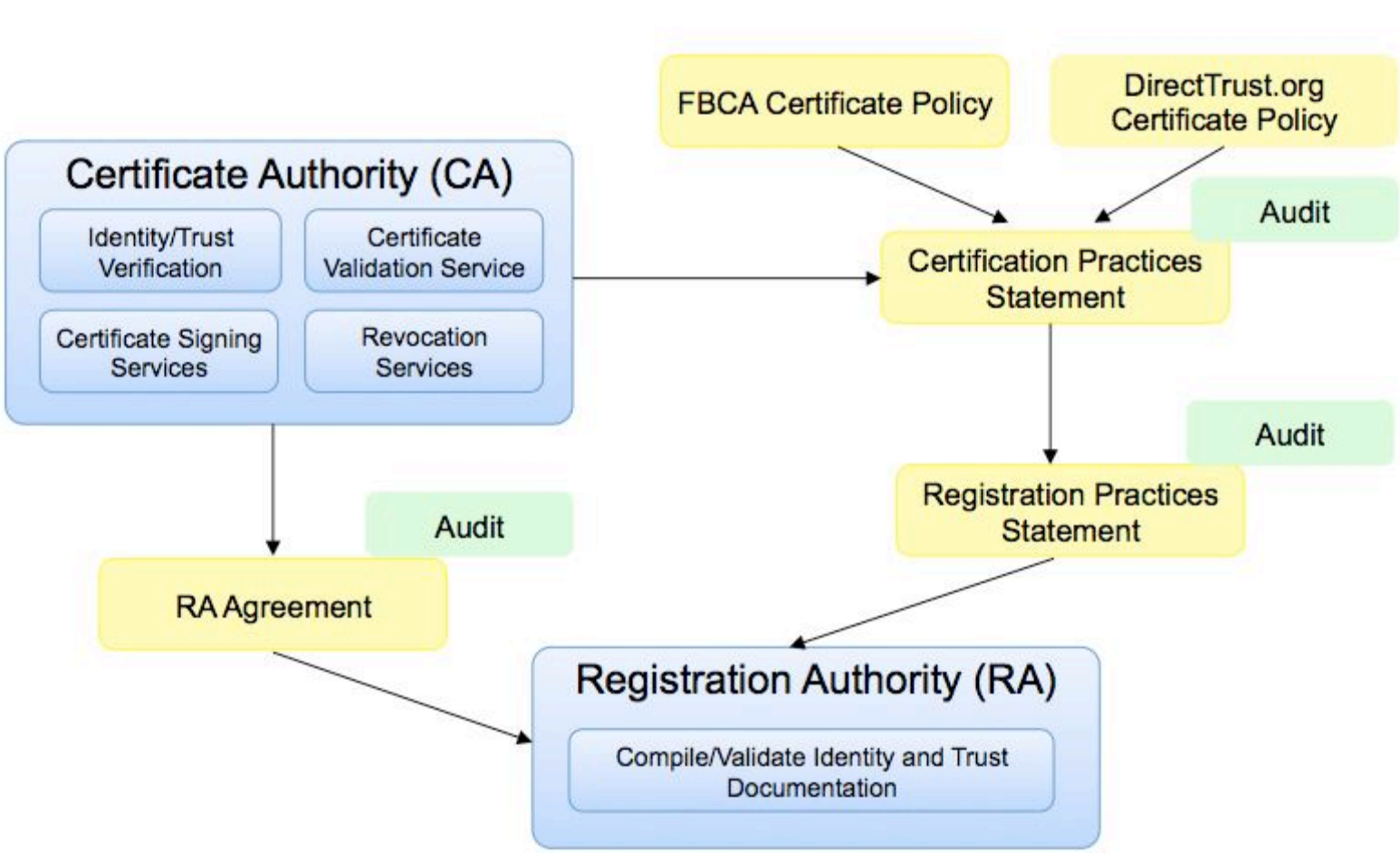
Direct Identity, Trust, and Address Provisioning

This is an example of the collaborative roles and relationships played by a CA, RA, and HISP in the fulfillment of interoperable Directed exchange services to a health care provider, for purposes of illustration only. Roles and steps in the process may vary.



Source: DirectTrust.org February, 2012

CA - RA Relationship, Policies, Practices



Source: DirectTrust.org February, 2012

RITC: How it Works