

Simplified.
Smart.
State-of-the-Art.



Identity Federation and Web Services: Happening Today - Enabling Tomorrow

Collaborative Health Care Management

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Partner Integration Solutions

Collaborative Health Care Management

MEDdecision offers collaborative health care management solutions

Alineo™

A collaborative health care management platform for utilization, case and disease management

- Reporting
- Correspondence
- Automated Approvals
- Clinical Criteria
- Clinical Programs
- Clinical Intelligence
- Clinical Summaries
- Care Management Analytics

Nexalign™

A collaborative health care information exchange service

- iEXCHANGE®
- Clinical Summaries

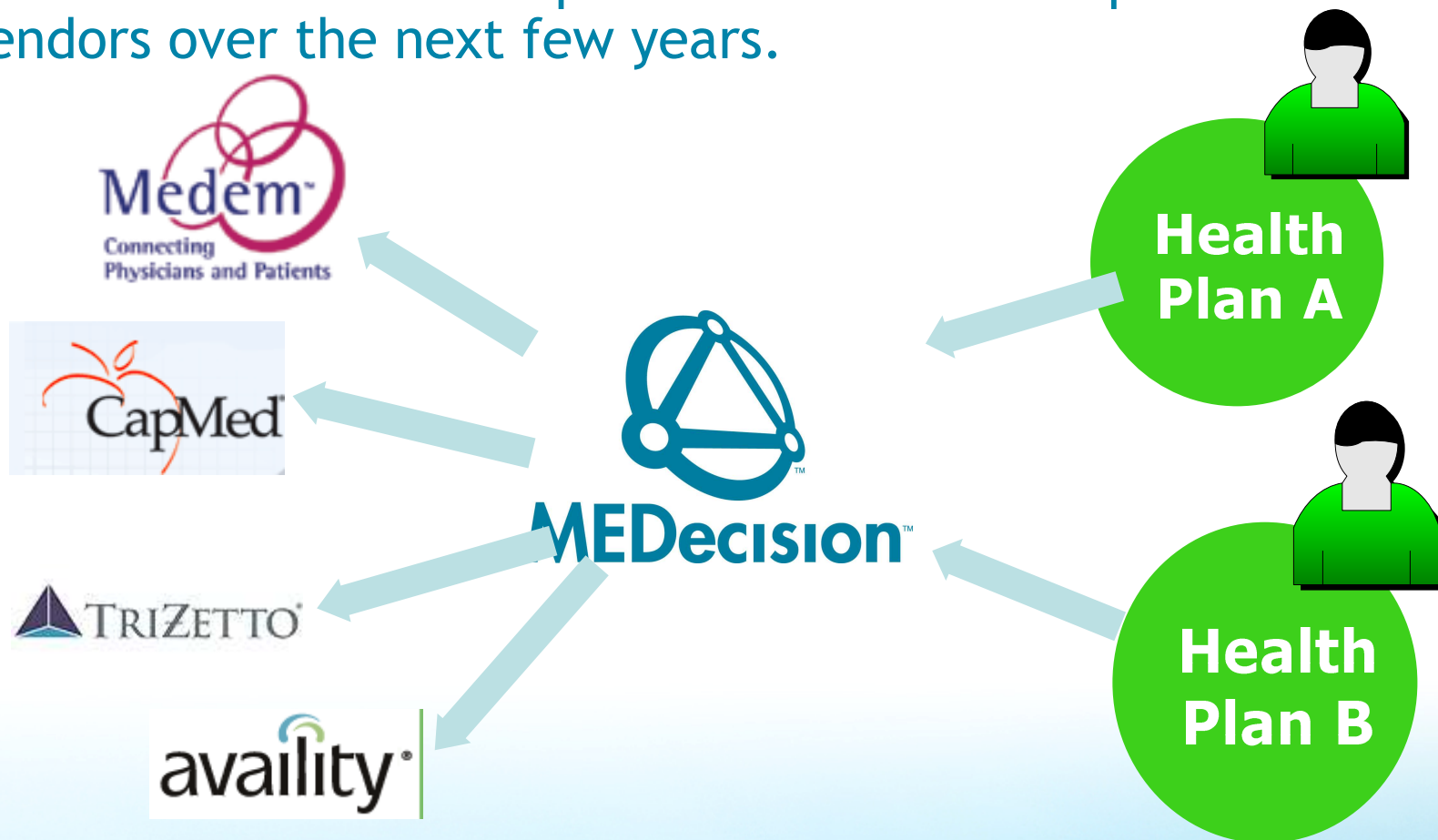
Improve the relationship among patients, payers and providers

Delivering Solutions with our Partners

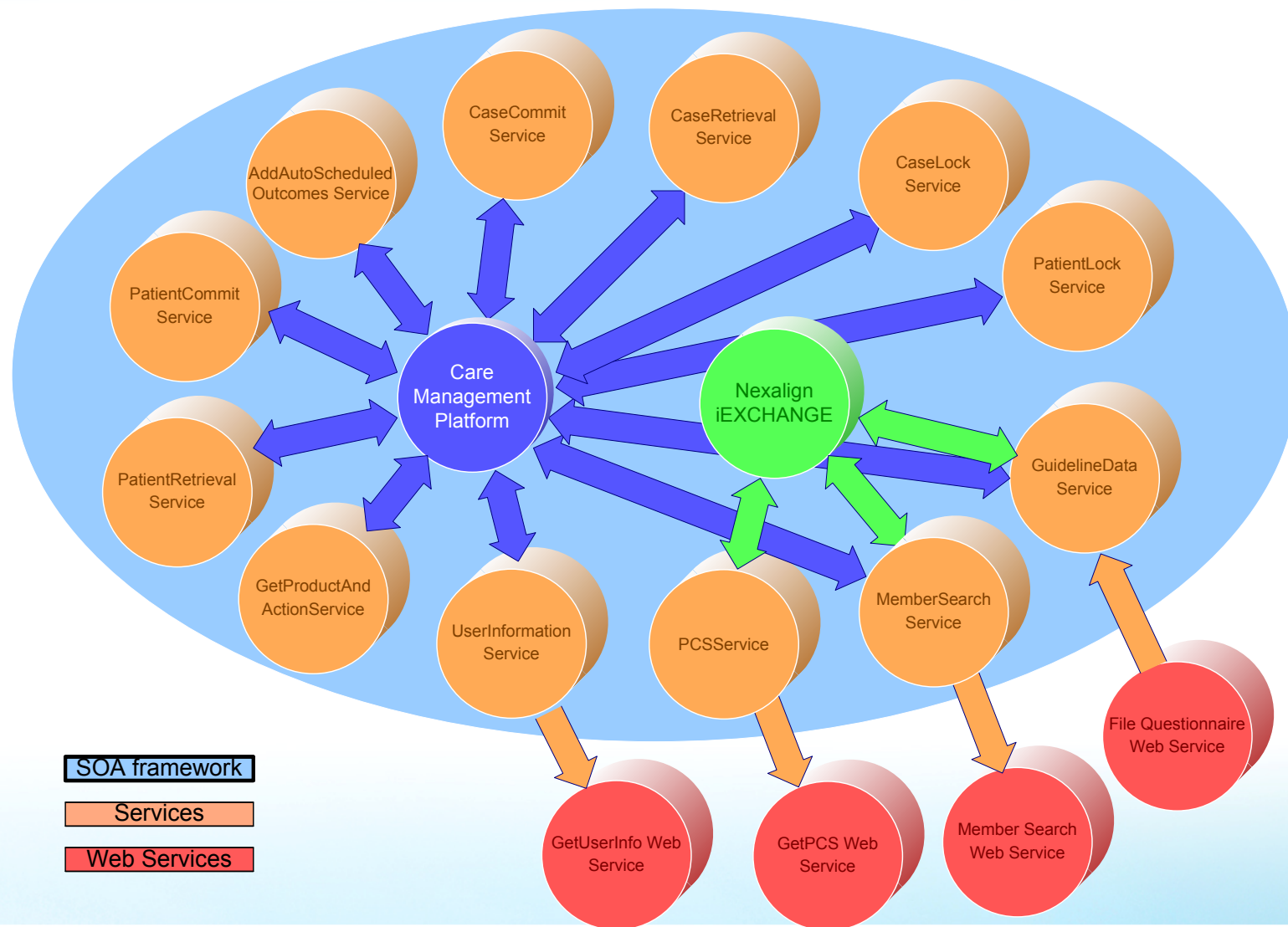
- Typical web solution allows provider users direct access to payer data
- To drive further adoption we needed to work with our partners
- Our partner portals need information from the health plans

Partnering with portals

- We currently partner with key portal vendors to make information available to members and providers. This will expand into dozens of vendors over the next few years.



Web Services available



Use of Standardized XML formats for payload

- Pros

- Aids in adoption
- Lots of input and review from others
- Easier to convince your clients to use them

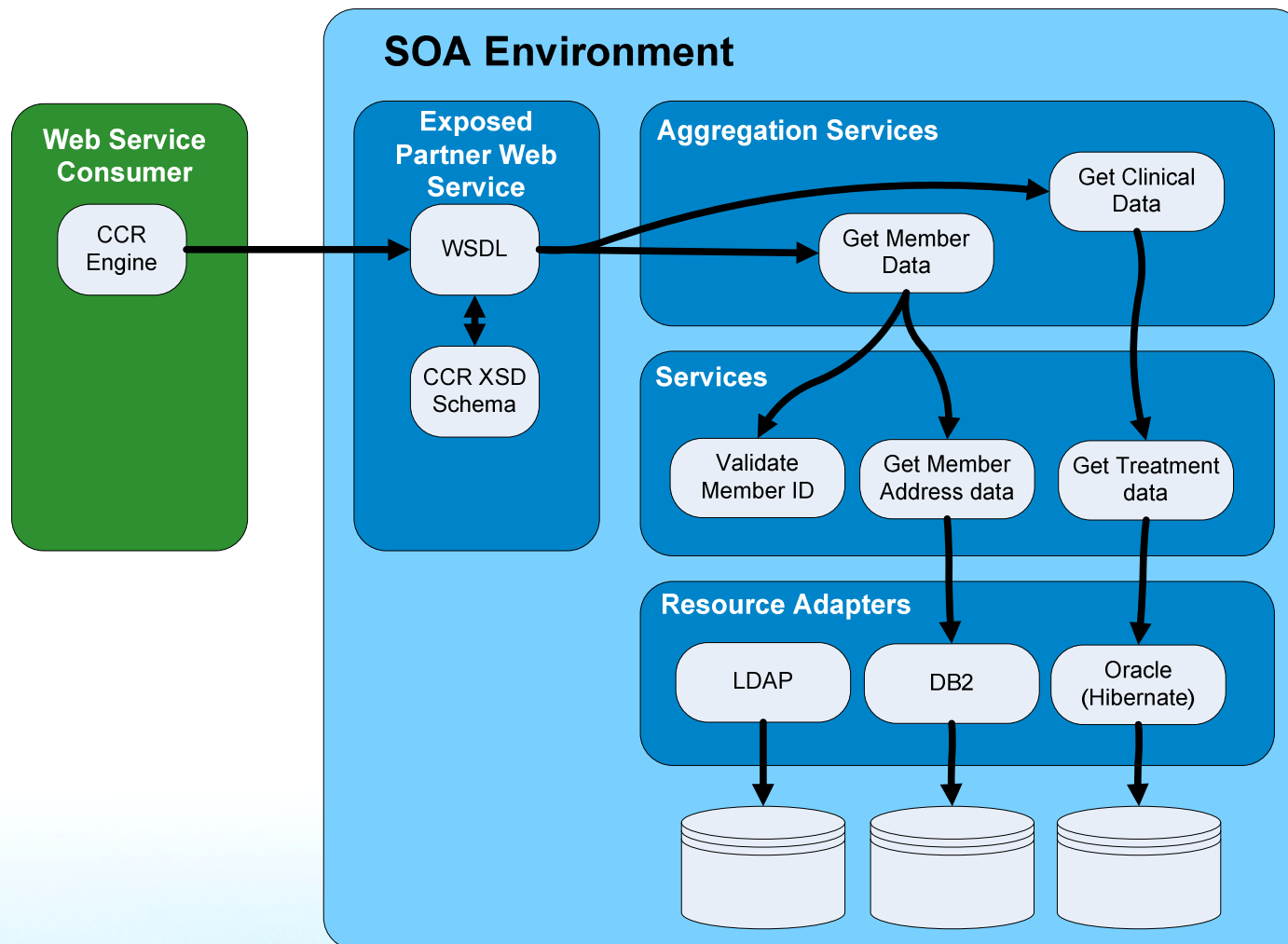
- Cons

- Can be more complex than a proprietary solution (I.e. HL7 CDA)
- Need to deal with regular updates
- Can be more expensive at the start

Leveraging a good SOA design

- Use of SOA allows us to create reusable components that:
 - Contain well-defined business functionality
 - Is implementation-independent
 - Is loosely coupled
 - Benefits from ORM tools like Hibernate
 - Can be exposed as web services

Leveraging a SOA environment



Dealing with Privacy of Data

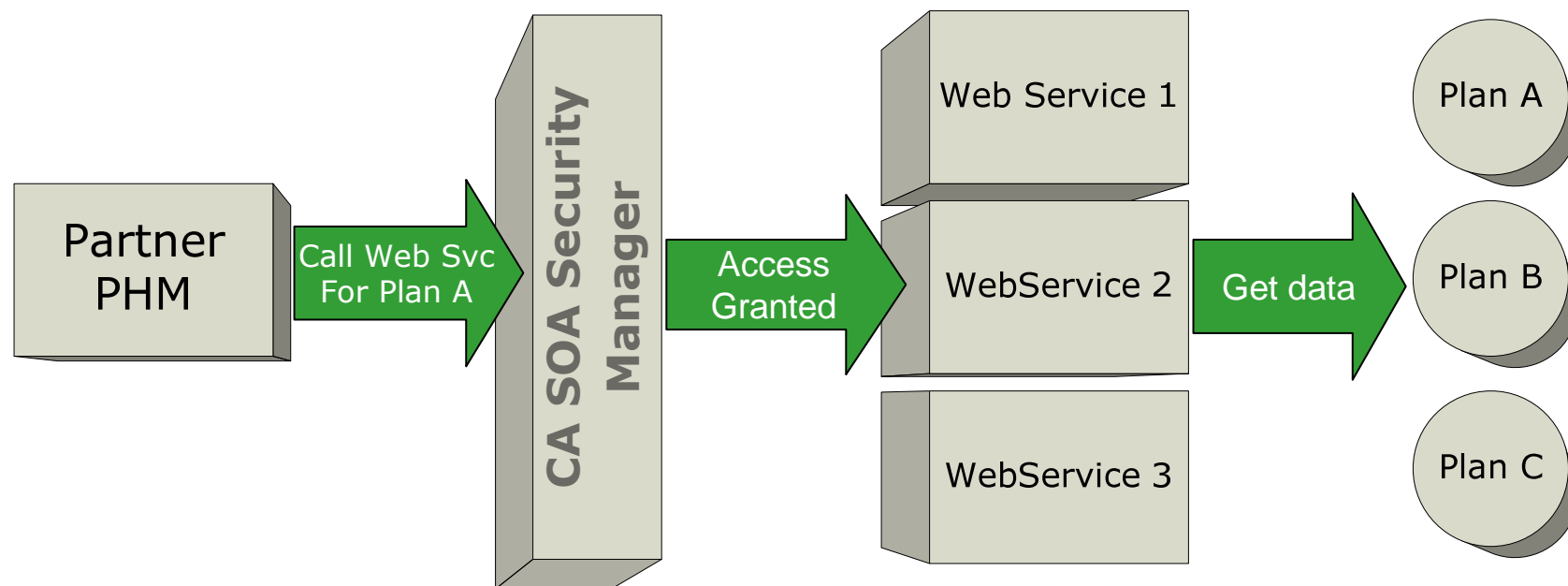
- HIPAA - Health Insurance Portability and Accountability Act
- Restrict access to the information:
 - Partner A can only access Web Service 2 for Health Plan B
- Log all access information:
 - Who
 - When
 - What

Benefits of access based on partner entitlement

- Certificates on a Web server were a good start but...
 - It does not easily allow for role-base access
- With CA SOA Security Manager we're able to:
 - Secure Web services using partner certificates
 - Identify partners based on the digital signature
 - Apply additional role-based access rules
 - Encrypt/Decrypt the message
- Chose to use WS-Security because of the partners we're dealing with
- Change to other authentication schemes (like SAML) is a change in configuration

Access to web services

Partner PHM can only get to Web Service 2 for Plan B



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In Conclusion

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Recommendations

- Build your web services on top of a good SOA design
- Leverage industry standards for web service formats as much as possible
- Providing access management as a centralized service eases deployment
(coding -> configuration)

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Questions?

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