

iRING

ISO 15926 Realtime Interoperability Network Grid

Africa and Europe PCA Forum and Member Meeting

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Bechtel

A photograph of a man with grey hair and a beard, wearing a light blue button-down shirt and jeans, standing in a room. On the wall behind him is a framed portrait of a man in a dark suit. In the foreground, two men are seated on a dark wooden bench. The man on the left is wearing a grey t-shirt and jeans, looking down. The man on the right is wearing a red t-shirt with a white logo and jeans, covering his face with his hand. The room has light-colored walls and a doorway on the right side.

...and above
me is a
picture of my
mentor

I don't know
that
guy...just
look the
other way

He must be
from Norway

What is iRING and what is it not?

iRING

ISO 15926 Realtime Interoperability Network Grid

***iRING* - A set of information interoperability and integration protocols and reference data that are compliant with the ISO 15926, Parts 7, 8, & 9 standards, which builds and depends on ISO 15926 Parts 1 - 6.**

iRING

— USER GROUP

<http://iringug.org>

iRINGUserGroup - An open online community of users, companies, and organizations who use, are considering using, or are developing or deploying ***iRING*** protocols. The ***iRINGUserGroup*** is also responsible for the management, enhancement, and maintenance of ***iRINGTools*** and ***iRINGSandbox***.

iRING TOOLS

<http://iringtools.org>

iRINGTools - A set of free, public domain, open source (BSD 3 license) software applications and utilities that implement ***iRING*** protocols.

iRINGTools provide users with production ready deployable solutions. ***iRINGTools*** also provides technology solution providers with usage patterns for the implementation of ***iRING*** protocols in their respective solutions.

iRING **SANDBOX**

<http://iringsandbox.org>

iRING*Sandbox** – An internet hosted, publicly accessible and publicly downloadable, ***iRING reference system that will showcase the use of ***iRING*Tools** and other technology solution provider's products that implement ***iRING*** protocols. This reference system will also include an example ***iRING*** community sandbox that will hold ISO 15926 RDL extensions.

- **iRING** is not a project
- **iRING** is a label or brand of ISO 15926 protocols
- **Camelot** was a project that initiated iRING
- **Avalon** was a project that led to JORD
- **iRINGTools** is open source software
- **iRINGUserGroup** is an informal community of users of ISO 15926
- **iRINGSandbox** is a showroom

What is the iRING position?

- **ISO 15926 is ready to use now!**
- **The “sweet spot” compliance is ISO 15926-7**
- **The RDL will be accessed via ISO 15926-8 & 9, but not exclusively**
- **Involvement in iRING will help each organization reach its goals and ambitions for ISO 15926**

IS&T Moving Forward



Business Disruption

IT Centric



Business Alignment

Company Centric



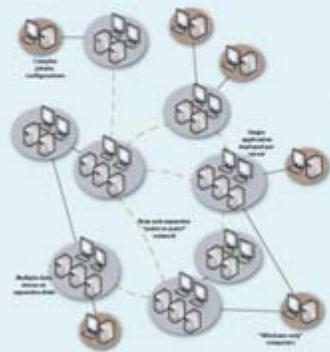
Business Transformation

Collaboration Centric



Business Expansion

Partner Centric



Distributed Foundation (1998)

- Highly customized, highly distributed environment
- Complex security model, difficult to manage
- Individual, system-specific configurations
- Slow to configure and deploy
- Expensive, low-capacity network

Consolidated Foundation (2003)

- Consolidated U.S. data centers
- Improved effectiveness of security model
- Lowered number of access methods
- Reduced complexity of unique configurations
- "Fat Pipes" network allows global connectivity

Virtualized Foundation (2008)

- "Consumerization" of Bechtel computing environment
- Simplified, "policy-based" security model
- Consistent user experience
- Rapidly deployable project services
- High-capacity, low-cost, globally redundant network

Open Foundation (2010 & Beyond)

- Standards-based global information exchange
- Sustainable value to customers, partners, and suppliers
- Flexible and scalable support of broad project portfolio
- Customer and network agnostic
- Basis for global 24/7 project execution

iRING

— USER GROUP

www.iringug.org

2010 Demonstrations

- Digital Plant 2010
 - iRINGUserGroup
 - iRINGTools/Bentley demonstration
- Private Demonstrations
 - Bechtel
 - Hatch
 - Emerson
- FIATECH Conference 2010
 - Bechtel
 - Bentley
 - CCC
 - CH2M Hill
 - Dow
 - Emerson
 - Hatch
 - Intergraph
 - TCS

FIATECH iRING Demo





OpenPlant
PDxManage
r

Bentley
Exton, PA

Dow
Houston,
TX

SmartPlant
P&ID

Hatch
Brisbane,
Australia

Emerson
Pune, India

PlantSpace
P&ID

EIO

CCC
Athens,
Greece

CH2M Hill
Denver,
CO

C3D

PDB

Bentley
Walnut,
CA

Bechtel,
Frederick,
MD

ProjectWise
LCS

Inspec

SPI

TCS
New Delhi,
India

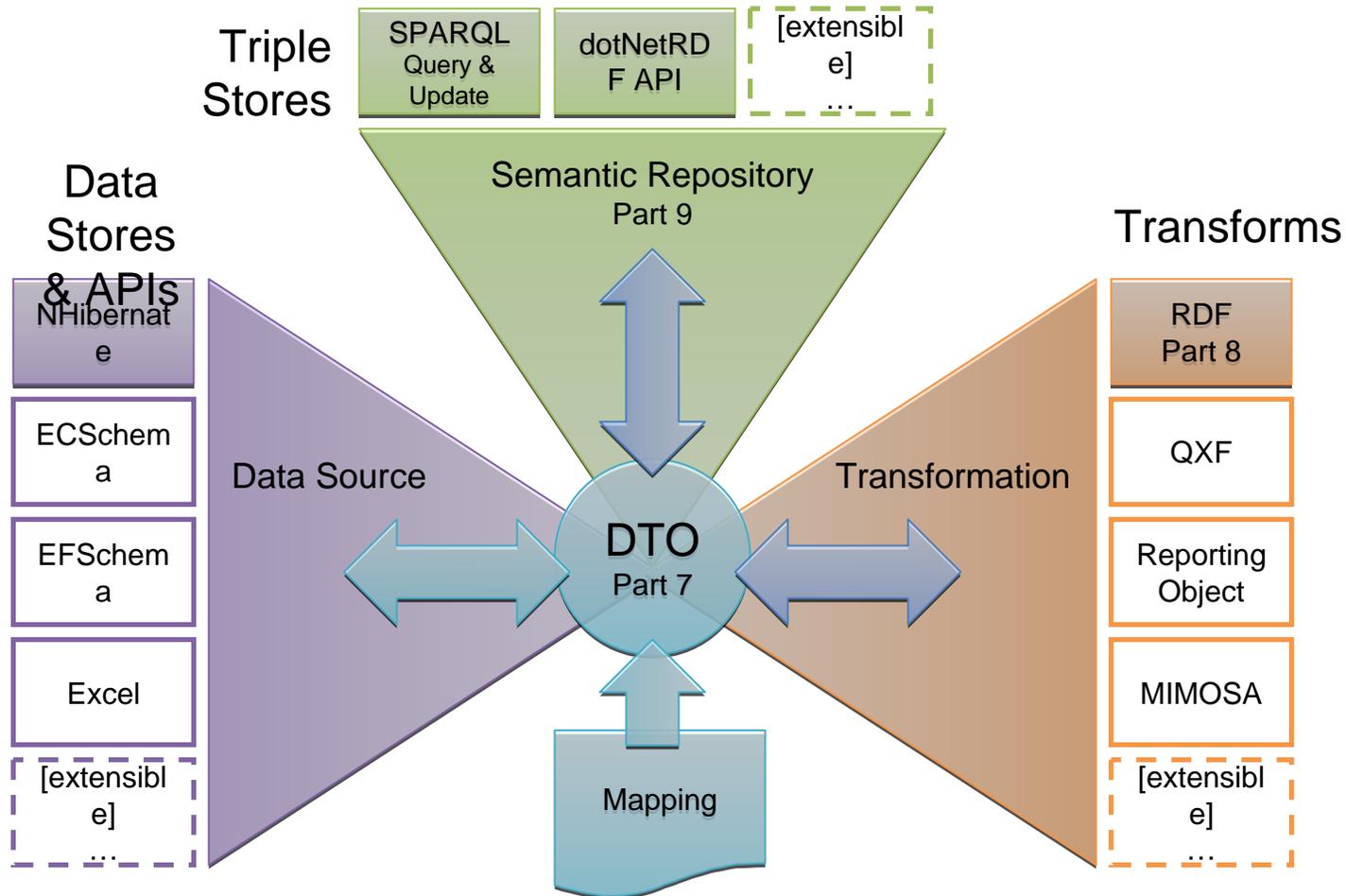
Intergraph
Huntsville,
AL

SPF

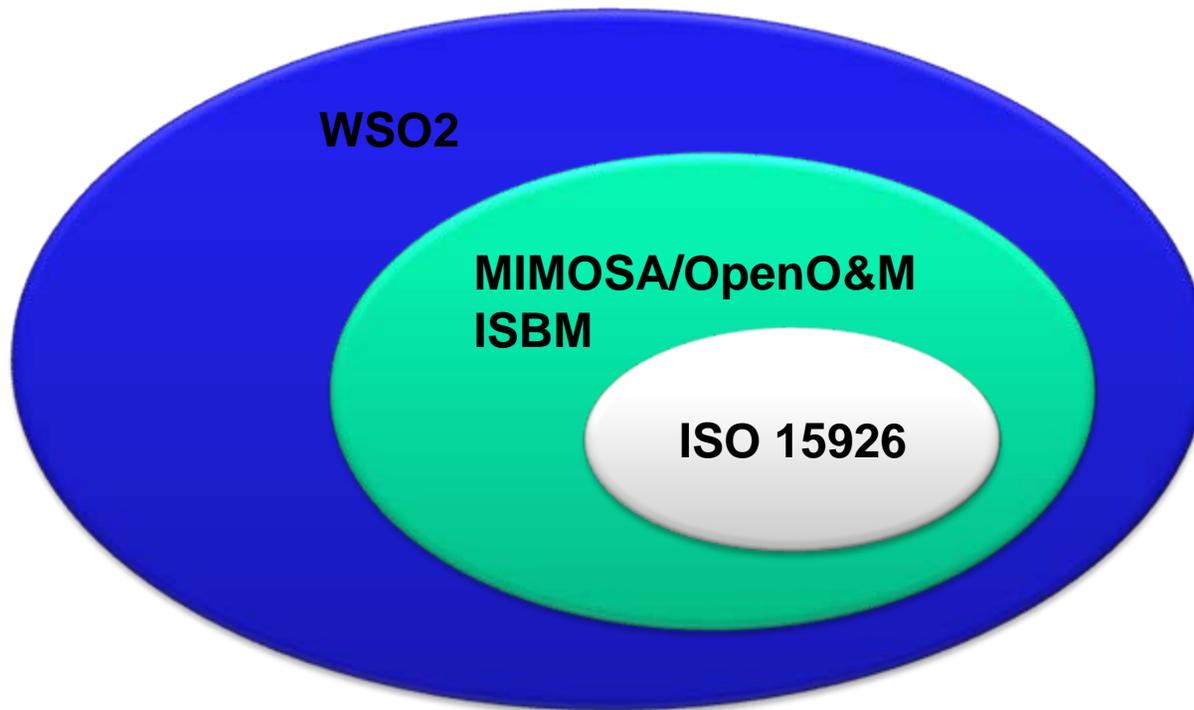
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Demonstrations
ISO 15926

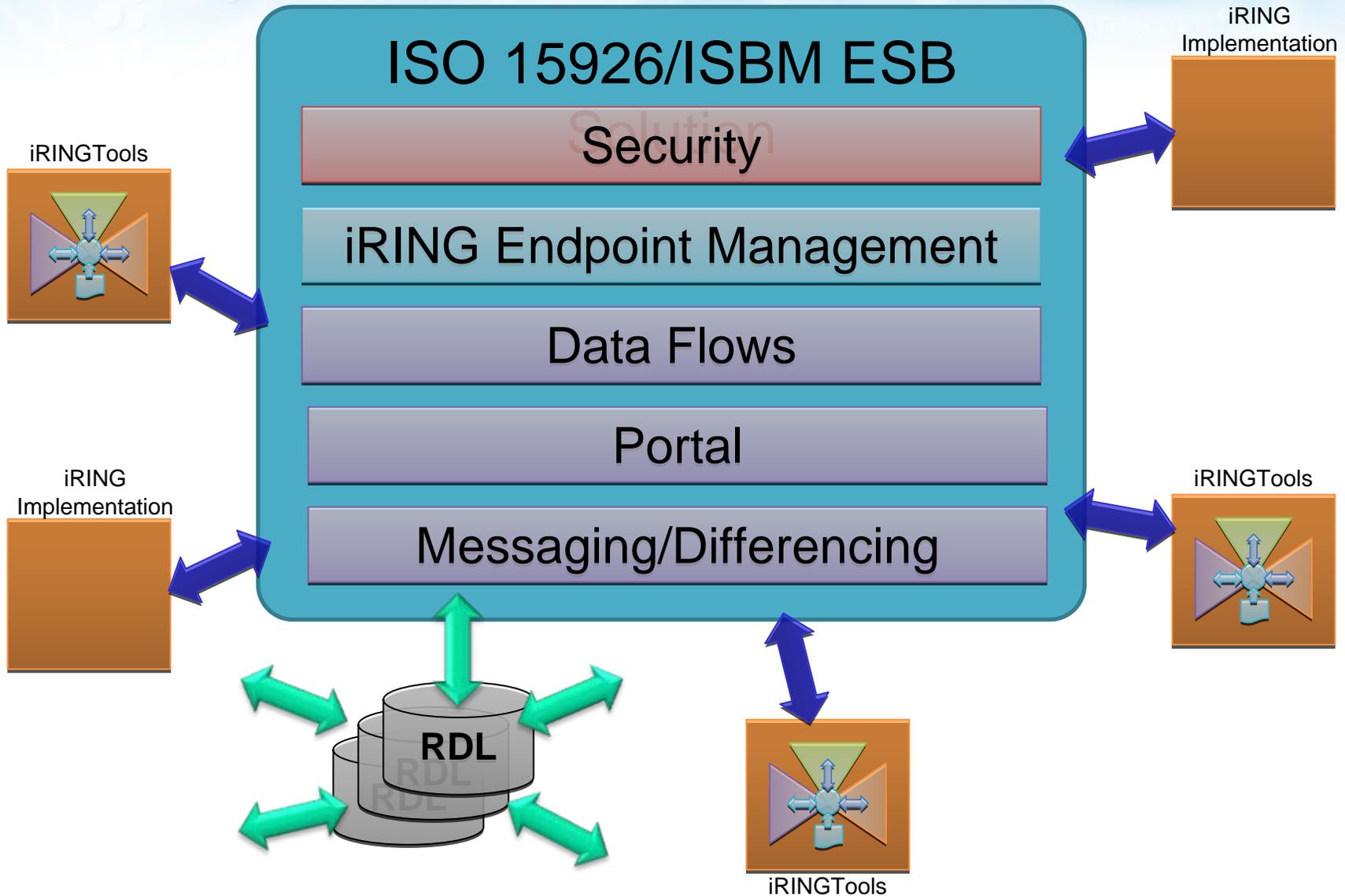


Adapter Framework



iRINGTools – ESB Concept





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Questions?