

Membership in Institutions and Committees



Tiani Spirit

- 2004 member of several IHE committees
- (PCC, IT-Infrastrucutre, e.g.)
- epSOS (European Patients Smart open Services) since 2008
- 2011 Oasis Membership
- Contribution to the Security Framework US
- Contribution to eSENS

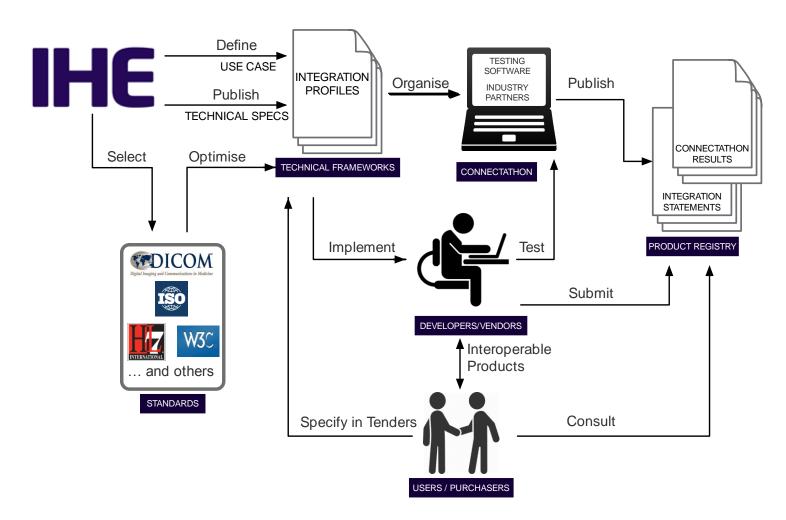
Martin Tiani

- contribution to the Austrian Stadardization Working Group
- contribution to IHE since 2001
- epSOS contribution for global architecture since 2007
- contribution to the eHealth initiative for the european community roadmap
- 2017 launching Grapevine



IHE: Integrating the Healthcare Enterprise What It Is & How It Works





- IHE formalises the exchange of health information
- clinical and technical experts define critical use cases for information exchange
- technical experts create detailed "profiles" for communication among systems to address use cases, selecting and optimizing established standards
- vendors implement these profiles in healthcare IT systems
- vendors test their systems under IHE guidance at carefully planned and supervised "connectathons"
- 400+ healthcare-related organizations worldwide
- 20 national/regional deployment committees oversee testing activities around the globe



Customer Benefits of Interoperability



IHE Conform

- + Test twice per year at Connectathon (US, Europe, Australia, Japan)
- + No risk, faster and cheaper for client

Non-IHE Conform

- Test has to be done by each vendor (HIS) and client again.
- Testing takes a lot of time
- High costs









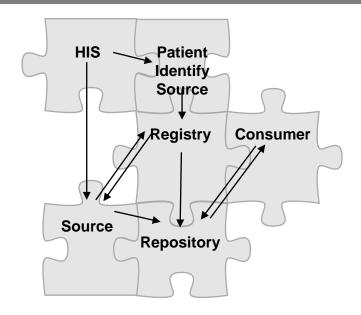
Interoperability for Health IT Systems

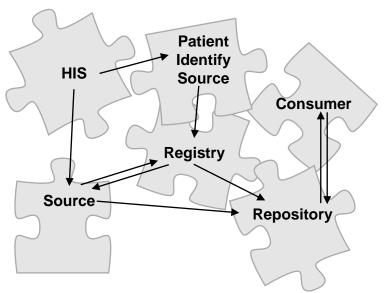


IHE Conform

easy to replace

Non-IHE Conform high cost & effort to replace

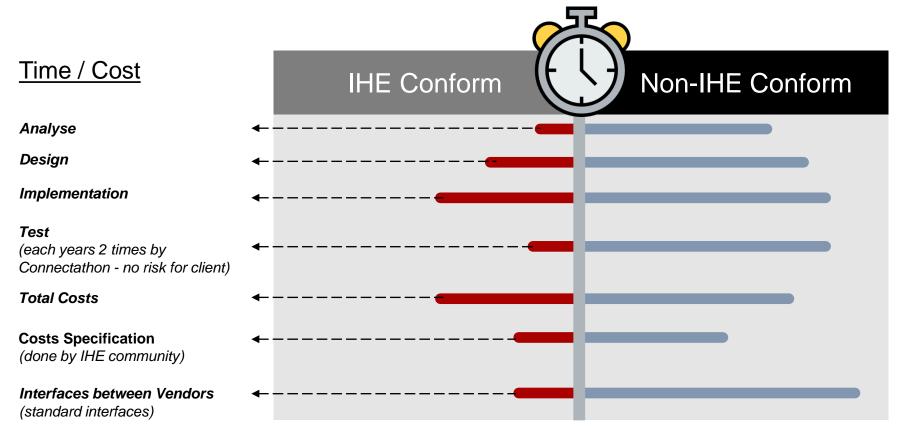






Costs for Interoperability





Gartner: 54% of IT-Budget is used for Interoperability!



IHE – Connectathon US













IHE – Connectathon Japan













EU - European Commission - Decision - facts after 15 years



Official Journal of the European Union

COMMISSION DECISION (EU) 2015/1302

of 28 July 2015

on the identification of 'Integrating the Healthcare Enterprise' profiles for referencing in public procurement

(Text with EEA relevance)

... http://eur-lex.europa.eu/legal-content/EN/TXT/HTML/?uri=CELEX:32015D1302&from=EN

Done at Brussels, 28 July 2015.

For the Commission
The President
Jean-Claude JUNCKER

The completion of the Digital Single Market is a key priority for the European Union (Europe 2020)!

After 15 years IHE is well established!!!



Tiani Spirit Company – History – current status - outlook

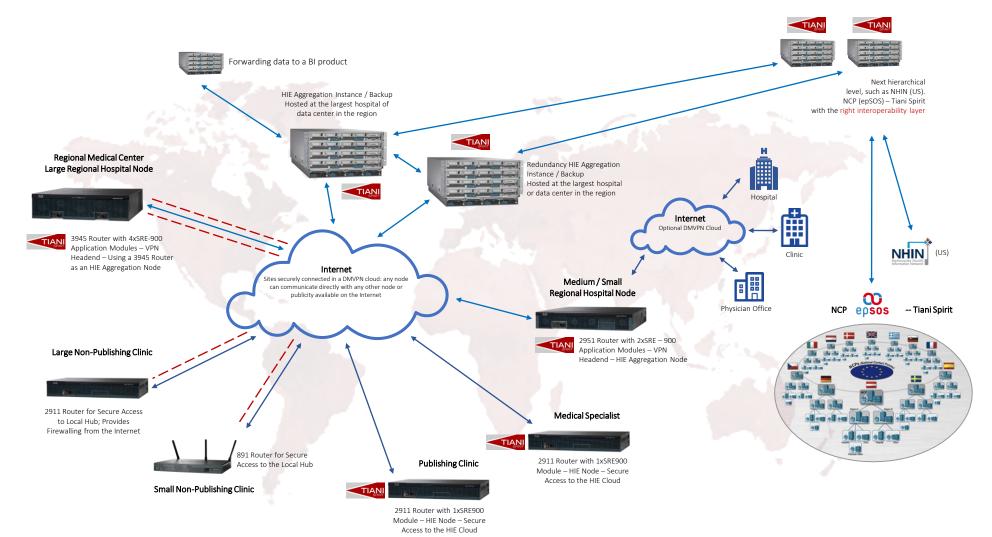






Big Picture - Technology - Overview

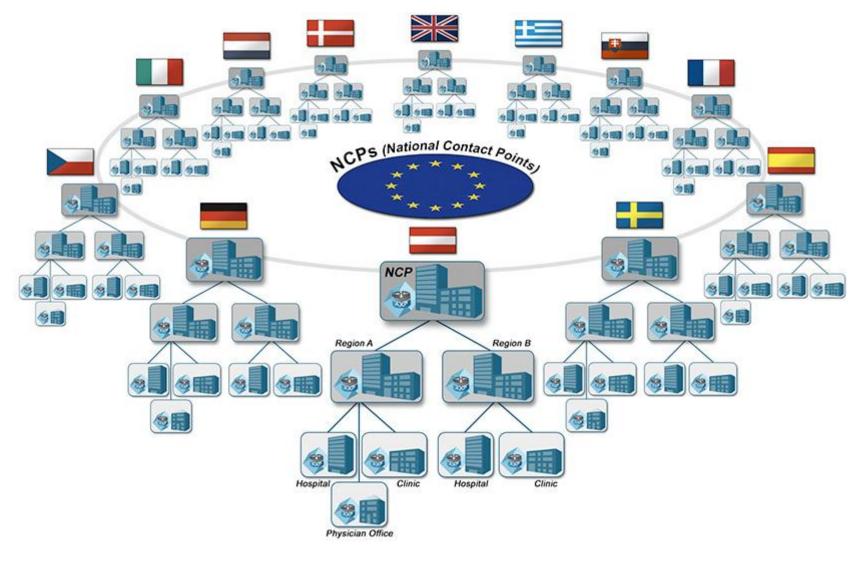






EU - NCPs (National Contact Points)







EU Initiative e-Sens - IHE





Various infrastructure model but COMMON needs

- users need to be authenticated
- subjects need to be identified
- secured Information delivery needs to guarantee confidentiality, integrity and availability













Business setup



Procurement



E-Justice



eHealth



eID

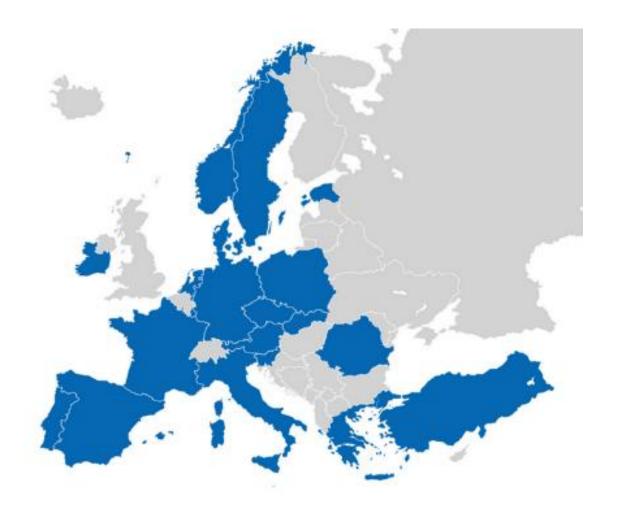


EU Initiative e-Sens - IHE



Goal

- to improve the cross-border access of citizens and business to public services in Europe by provision of interoperable IT solutions
- ▼ PA and agencies from 20 countries
- ▼ Re-using existing solutions
- Domains Involved:
 - eProcurement
 - eHealth
 - eJustice
 - Business Lifecycle
 - Maritime Affairs
 - eAgriculture





e-SENS: project structure



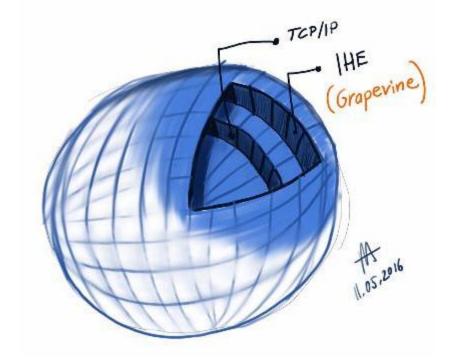




Vision & Mission



- TCP/IP since ~35 years (Network Layer Routing, Switching, UCS)
- IHE since ~15 years (Application Layer Internet of Things, Industry 4.0, ...)



It's a "Déjà vu" for CISCO and the ICT & Telecom industry!





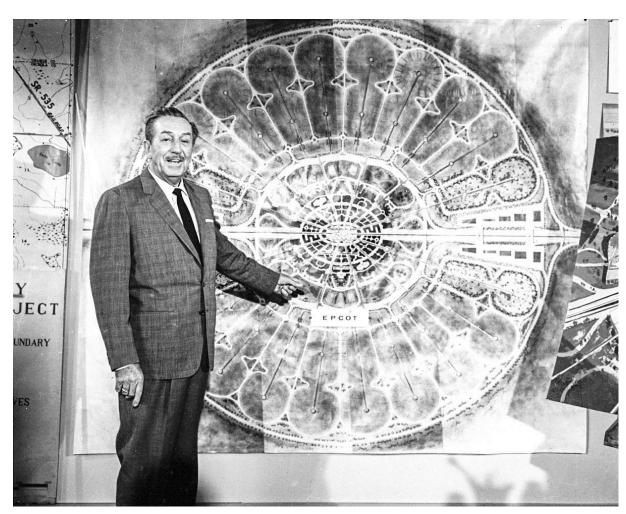
Experimental Prototype Community of Tomorrow

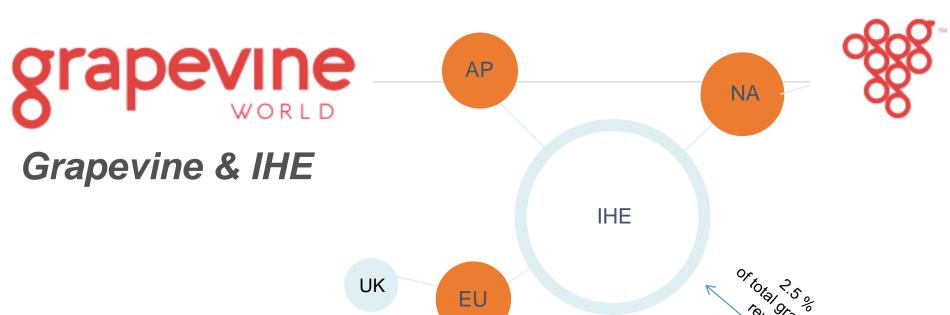
Grapevine is an initiative inspired by Walt Disney's vision dating from before 1965.

Disney's dream was to build up tomorrow land, which is well known under the name EPCOT, located in Disney World Florida.

A part of this vision was to build up a paperless hospital. This hospital called Celebration Health is one of the biggest hospitals in Florida.

www.grapevineworld.com





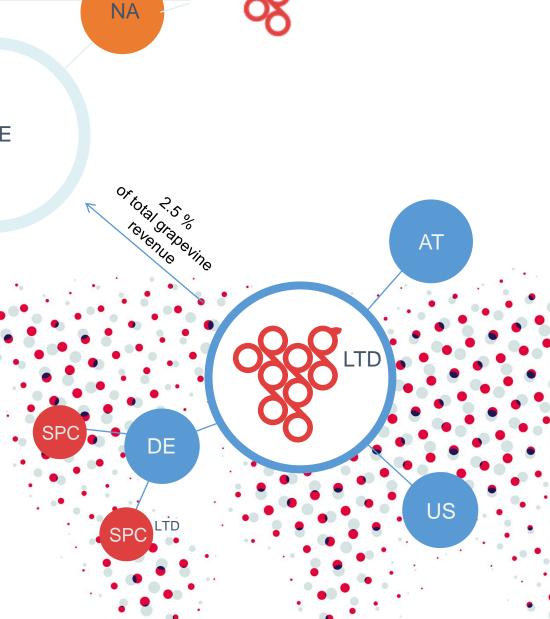
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grapevine will be THE marketplace for all IHE related manufacturers, providers and system integrators and will become THE backbone for international data exchange.

Furthermore, grapevine will be strengthening and leveraging the IHE activities that already demonstrated great success and will be a sustainable funding channel for further IHE activities.

grapevine stands for interoperability which is **the key driver for all further global activities** such as IoT, Industry 4.0, ...

















iSpiritHealth provides patient's Apple HealthKit information to physicians











data is delivered to physicians









Provides EHR data (CDA/FHIR) directly to the patient's IOS AppleHK









Thank you for your attention !

Author: Tiani Spirit Team

Vienna, 2017