Achieving Success with Liberty-enabled Federation: Customer Case Study

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The Top 4 Things IT Never Wants to Hear from Their Boss…

“Good news, we’re…”

- …going to double our business this year!
- …thinking of entering the EU marketplace
- …mergering with one of our competitors
- …meeting with our auditors today!

Will your architecture be ready to Adapt?

Definition
To make fit
(As for a specific or new use or situation)

Synonym
Acclimate; Accommodate; Adjust; Conform; Shape
Composite Identity:

The Center of Management and Security

- Globalization with opposing regulations & cultural issues increases complexity, cost and threatens agility
- Various repositories contain information about a user
  - Any sharing of information must conform to policy
  - Data from the repositories must be shared
- Any sharing of information must conform to policy
- Systems require knowledge of the user
- Built from many sources of data
- Control point for management & security
- Intelligent Policy-Driven Access Controls
- Account Provisioning Password Management
- Single/Reduced Sign-On
- Owner Centric
  The owner determines policy

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Case Study: The Challenges

**Challenges**
- Limited Budget
- Redundancy/Business Continuity
- Scale & Performance
- Varying/Conflicting Regulations & Cultures

**Demographics**
- Global organization
- 17 autonomous organizations
- 1.1 million employees
- 350 million customers
- 50,000 partners and suppliers

**Business Drivers**
- Seamless experience
- Increased security
- Automation of processes
- New services capabilities
- Tighter integration of systems

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Redundancy & Business Continuity

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**Redundancy / Business Continuity**
- 24 x 7 x 365 - No down time
- Redundancy at both local level and data center level
- Geographical redundancy and load balancing

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Liberty Alliance Project
Scale & Performance

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**Scale & Performance**
- System must be deterministic/predictable
- Over 350 million unique identities in hundreds of systems
- Authentication must be below 3 seconds

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Regulations & Culture

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Varying/Conflicting Reg's and Cultures
- Govt. privacy regulations different from region-to-region
- Cultural best practices vary from country-to-country
- Some regulations are in actual conflict
So How Do You Build It?

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How do you create a composite identity with all these challenges?
Would you ever try to build a house with just a single tool?

Why would you with your IT architecture?
The Three Pillars of Identity

Scalable
Predictable
Redundant & Survivable
Static Data
Dynamic Data
Data Harbor Laws
Sensitive Data
User-Centric/Privacy

Automation
Completely automatic
Self-service
Workflow
Policy-Driven
Intelligent
Real-Time
Contextual
Audit
Securely log
Monitor & alert
Report
Case Study
Answering the Challenges with “The Three Pillars of Identity”
Case Study

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Virtualization
- 20% of data is virtualized from its existing location at the various sites.
- Typically data that is dynamic and/or not generally required.
- Helps to also address 'Data Harbor' laws in the regions.

Synchronized
- 50% of data synchronized to both Frankfurt & Chicago to ensure predictability, performance and redundancy

Federation
- 30% of data is federated and accessed via SAML/Liberty and left in its existing location at the various sites.
- This data is deemed 'sensitive' or 'private', typically restricted by legal regulations or by cultural/industry best practices & user authorization required.
- Further provides for sharing of credentials for seamless experience.

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