FMS AS4 *e*-SENS COMPLIANT B2B GATEWAY

Introduction

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Flame Computing

- Established 1998
- System Software Development specialising in B2B Messaging
- Messaging Solution in the Pharmaceutical Industry
- RosettaNet B2B
- EPP (IETF Std 69) MSH for the Domain Name Industry
- OASIS ebMS V3.0 MSH
- OASIS AS4 MSH
- Member of OASIS
- Member of OAGi
- Business Partner with **ECS Int. BV** for Sales & Support in Europe

Server Architecture

- 100% Java (Java 1.7)
- AS4 ebHandler Profile
- Conformance as per Flame Computing Statement of Use
- Secure/Encrypted Message Exchange
- One Way Push and Pull
- Two Way Push and Push, and Push and Pull
- Compression
- Attachments (SWA)
- 1 Way MEP Support

Server Architecture Continued

- Structured File Drop for Receiving
- Flexible Configuration
- Powerful Customisable Trigger Based Message Handling
  - JSON RPC
  - Script/Executable
  - JYTHON
  - Java Script Engine
- Configurable Logging
- Realtime Based Message Tracking and Reporting
- Flexible External Interface Setup
- Intuitive Private and Public Key Handling
- Configurable Schema Based Dictionaries

Light Client Architecture

- 100% Java (Java 1.7)
- Command Line Utility – AS4 Light/Minimal Client
- Conformance as per Flame Computing Statement of Use
- Secure/Encrypted Message Exchange
- One Way Push and Pull
- Compression
- Attachments (SWA)
- Fully scriptable

Infrastructure

- Light Client Portable to any Java 1.7 JVM Based Client Platform
- Server Portable to any Java 1.7 JVM Based Server Platform
- Modern Operating Systems
- Supports Network Based Failover and Load Balancing Systems

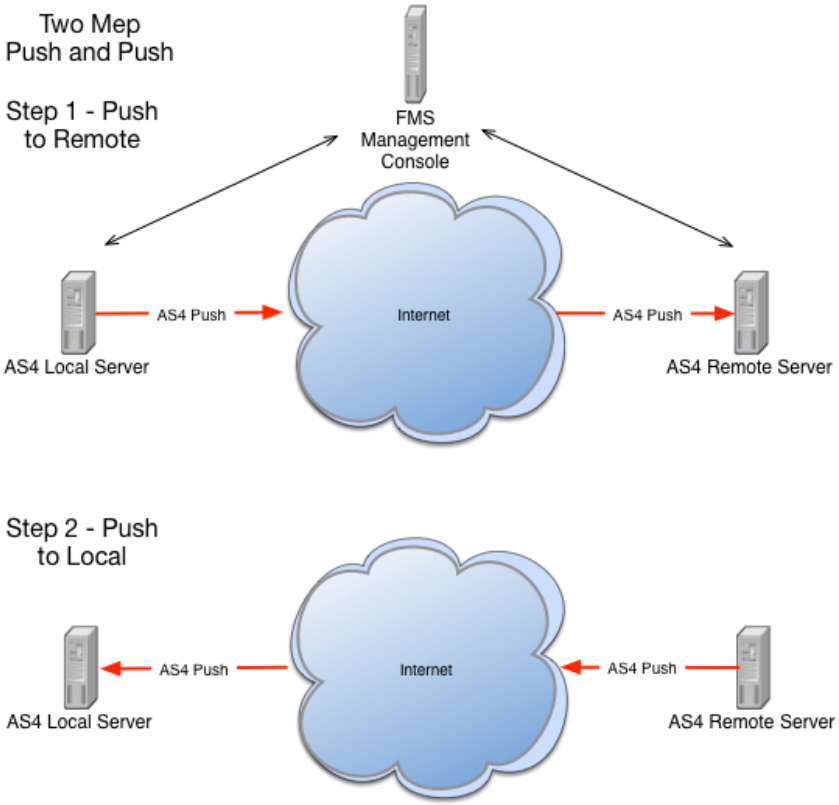
FMS Interoperability

- AS4 Informal Interoperability Testing and Demonstrations – 2011 – 2012
- SuperStream AS4 Rollover Induction – November/December 2013
- SuperStream AS4 Contribution Induction – November/December 2014
- Drummond Certified AS4 4Q13 and AS4 4Q14
- ICANN gTLD compliant IETF Std 69 EPP Registry Registrar System – 2011 - current
- RossettaNet RNIF 2.0 Petroleum Industry – 2006 to current

e-SENS Requirements

- AS4 Compatible with some exceptions
- Two Way Message Exchange Pattern (MEP) required
- Two Way MEP Binding using push and push
- State of the art security algorithms required
- Message Pull not currently required
- Payloads as separate SWA Conformant attachments
- Synchronous Signed Non Repudiation Receipt (NRR) Signals
- Synchronous Error Signals
- Username Tokens not required

Demonstration



Implementations

- Drummond Group International AS4 ITQ Reference System
- ComplianceTest AS4 SuperStream ITQ Test System
- Ozedi AS4 SuperStream Gateway – FMS Server
- NAV/IKT AS4 Secure Digital Post Application – FMS Light Client API
- EPP Domain Registration System – ZACR country codes and gTLDs
- RossettaNet Invoicing System – Petroleum Industry

Q&A and Thanks