

# In-House Core Services Evolution

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## Version 0.1

- Publish and Subscribe Core Services
- Core Services Adaptor in client space, Delegates in between clients
- Java/Jini Implementation

**May 2002 (P2P)**

## Version 1.0

- Implemented Common API V1.0 (Infospherics.org)
- Publish, Subscribe, Query and Archive Core Services
- Core Service components
  - Info Obj Repository
  - Metadata Repository
- Security Infrastructure
  - SSL-enabled interaction btwn. platform & clients
  - Security “Triple”
- Info Management Staff (IMS)
  - MDR, IOR DB Admin
  - Client Account Admin
  - J2EE Console

**Mar 2003 (J2EE)**

## Version 1.0.1

- Version 1.0 as baseline
- IOR, MDR performance tweaks
- IMS Enhancements
  - Support for wild-carded role assignment

**Jun 2003**

## Version 1.1

- Version 1.0.1 as baseline
- Multiple IOR, MDR, Security DB implementations
  - Default delivery with optional configurations
- J2EE Container Mods
  - Security Proxies separated from “business logic” in MDR & IOR implementations
- IMS Enhancements
  - GUI tweaks to view and enter admin data
  - Package-based security

**Dec 2003**

## Version 1.1.1

- Version 1.1 as baseline
- Static port usage for firewall or SIPRNet usage
- Generic classloader
- Supporting JRAPTOR Exercise on SIPRNet

**Feb 2004 (Internal)**

*The right information to the right people at the right time...*

# Future In-House Capabilities (Draft)

## Version 1.1.5

- Version 1.1.1 as baseline
- Major J2EE Container Mods
  - Moving many client-side CAPI constructs to J2EE components
- Pluggable Predicate Eval.
- Client-Side Thinning
  - Interface, Impl and Substrate Levels

**Mar 04**

## Version 1.2

- Version 1.1.5 as baseline
- Initial Instrumentation Interface and Implementation
- Optional LDAP deployment descriptor for Auth/Access Control
- Web Services Interface
  - Java and SOAP using WSDL (define what web services really means!)
  - Java has true “callback” subscription notification

**Apr 04**

## Version 1.3

- Version 1.2 as baseline
- Additional Web Services Enhancements
  - UDDI
- Prototype Fuselet Info Management Services
  - Run-time Engine
  - Fuselet Server
- Instrumentation Interface and Implementation
- JBI Directory Services plug-in access to legacy
- Implements Mercury Guidelines

**4Q 04**

## Version 1.4

- Version 1.3 as baseline
- Interoperable Core Service Platform API
- Full-featured Fuselet Services
- Operator Fuselet Authoring Tools
- Initial Quality of Service (QoS)
- Full-featured Instrumentation
- Improved Security Infrastructure via OASIS lessons learned

**1Q 05**

## Version 1.5

- Version 1.4 as baseline
- Last J2EE implementation as underlying technology
- Full-featured Platform Interoperability API
- Initial Force Templates
- Clustered Application Servers for fail-safe operation
  - Survivability enhancements via OASIS
- Implements Gemini Guidelines

**2Q 05**

## Version 2.0

- Non-J2EE Core Services
- Initial Near Real time Operation
- Hybrid approach addressing scalability and control
- Structured Common Representation (SCR) - Build Info Object using Semantic Web tools
- Policy Builder
- Implements Apollo Guidelines

**4Q 05**

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