

# Questions for products

## 1. Respondent data

- 1.1 Name of the product
- 1.2a Respondent#1 Name and position
- 1.2b Respondent#2 Name and position
- 1.4 May we publish your name and position along with your response data
  - Yes
  - No

## 2. SOA maturity of your product

- 2.1 Which of the following describe your product?
  - SOA is part of the product roadmap
  - Core functions are exposed as web services
  - Service contracts and api's are published
  - The product integrates with Identity and Access Management services via published service contracts
- 2.2 If your service contracts are published, can you supply the URL's?
- 2.3 If there has been a significant change in the adoption of SOA technologies for your product, can you identify the main drivers for the change
  - Internal project (company) need for product integration
  - Customer demand
  - An Identity and Access Management integration
  - The need for greater agility
  - The need to integrate learning systems
  - Other:

## 3. Industry (vertical) standards

- 3.1 Which of the following standards does your product use as an interoperability standard
  - PESC: Admissions Application
  - PESC: High School Transcript
  - PESC: College Transcript
  - PESC: Educational Test Scores
  - IMS: e-Portfolio
  - IMS: LTI (Learning Tools Interoperability)
  - IMS: LIS (Learning Infrastructure Services)
  - KIM: Quali Identity Management
  - Quali Student
  - Other:
- 3.2 Please list any additional standards that you are using that do not appear in the list above
- 3.3 Describe any letters of intent or other instruments that indicate alignment with standards bodies

## 4. Governance

- 4.1 Service inventory management
  - Do you have processes for documenting and publishing service contracts externally to your product
  - Is there a change management process for service contracts?
  - Can your product export service contracts to an external, enterprise service repository?
- 4.2 Please add any additional information on the management of service contracts (that is not captured above)
- 4.3 Data

Successful SOA is dependent on a clearly articulated ontology. Service endpoints must be able to understand the data contained in messages.

  - Have you developed and/or published a conceptual data model for the domains that your product covers?
  - Have you developed entity relationship diagrams?
  - Do you publish documented database models?

## 5. Identity and access management

- 5.1 Which of the following identity solutions does your product interoperate with?
  - Shibboleth
  - CAS
  - Groupes
  - KIM

- Other:

5.2 Please explain in greater detail how your product handles Identity and Access Management in the context of interacting with services exposed from your product:

## 6. SOA design principles

6.1 Has your product development been informed by high-level architectural artifacts?

- Have you developed domain specific capability maps?
- Have you developed a domain ontology?
- Have you developed a domain conceptual data architecture?
- Other:

6.2 Do you version your service contracts during the design process?

- Yes
- No

6.3 How do you document (publish) your service contracts?

- Textual descriptions on wikis
- XML schema
- Api's in javadoc
- Other:

6.4 Do you publish meta-data about each service (assumptions, intended use, glossaries)?

6.5 Which message types does your product support?

- SOAP
- REST
- POX (Plain Old XML) RPC
- Java interfaces
- Other:

## 7. Technologies

7.1 Does your product integrate with a commercial turnkey SOA solution

- Yes
  - No
- 7.2 If the answer to 7.1 is "Yes", please indicate which one.
- Oracle SOA suite
  - IBM websphere
  - Other:

7.3 Does your product integrate with one or more of the following service-bus applications. Please describe a typical integration scenario.

- Mulesoft
- WSO2 ESB
- Fuse (built on Apache ServiceMix)
- Apache ServiceMix
- JBoss ESB
- KSB (Kuali Service Bus)
- Other:

7.4 Which of the following technology standards are being used in your SOA implementation?

- XML binding: JAXB, JAX-WS
- Transactions: WS-Transaction
- Business process Execution Language: BPEL

7.5 Which of the following security related standards are you using?

- SAML
- WS-Security
- WS-Trust
- WS-Policy
- Kuali Identity Management (KIM)