

This document describes a proposed OASIS specification interoperability demo for the XML 2003 Conference. It is a work-in-progress and subject to change based on input.

#### Business Scenario:

Disease Control Centre (DCC), a large government health care entity operates an ebXML Registry (ebRR) to manage epidemiology related data. DCC has set up a collaborative web service to notify participating hospitals all over the world, if a new epidemic breaks out. The service uses ebXML Messaging protocol based upon a template CPA defined by DCC and stored with the ebRR.

When an epidemic breaks out, DCC updates its ebXML Registry with latest information on the disease. The information is contained within web pages and Open Office documents and is linked using relationship metadata defined by DCC. All information in the registry is available via the HTTP interface of the ebXML Registry.

Each time the site is updated an alert is sent to participating hospitals such as May Clinic.

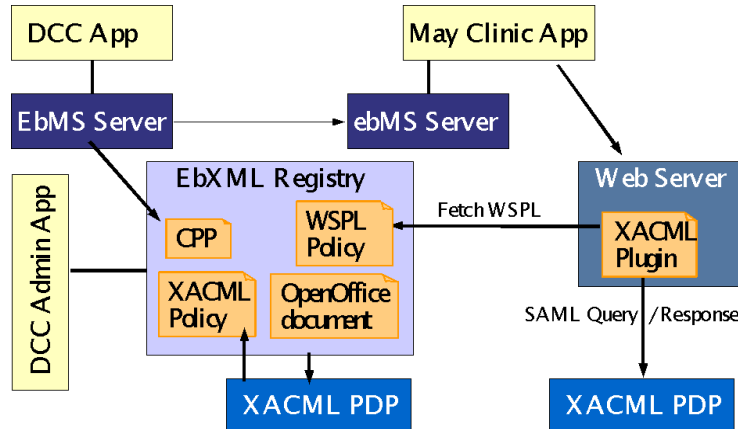
The steps in the scenario are as follows:

1. May Clinic publishes their CPA to ebRR based on template CPA from DCC.
2. A user with role EpidemicAdmin at DCC updates ebRR with Open Office document describing latest TARS epidemic. An XACML Policy Decision Point (XACML PDP) at the DCC prevents unauthorized updates.
3. DCC Sends Epidemic Alert on TARS epidemic to May Clinic using ebXML Messaging service and CPA for May Clinic. The Alert is delivered to May Clinic's Application. Alert includes URL to web site for TARS within ebRR at DCC.
4. User of May Clinic's Application downloads the Open Office documents regarding TARS epidemic using the URL provided.
5. User of May Clinic's Application then attempts access to a secure web page within the Web Server at May Clinic. Access to this page requires policy combination based upon WSPL. The required policies include local policies as well as policies at DCC's ebRR.
6. The May Clinic Web Server uses an XACML plugin. This plugin gets the WSPL Policy from the local store as well as a WSPL policy from DCC's ebRR, combines the two and invokes a SAML query to a local XACML PDP. If user is authorized then they are granted access to the secure web content.

#### OASIS Specifications Demonstrated:

- ebXML Messaging
- ebXML Registry Information Model and ebXML Registry Services
- ebXML CPP/A
- XACML and WSPL
- SAML
- Open Office

Demo Topology:



Demo Roles:

Note that we need additional participant and that participant roles will be adjusted as other companies step up and commit to a role. The Sun team will fill in any role that is left unfilled.

<i>Component/Role</i>	<i>Participant</i>	<i>Comments</i>
DCC ebXML Registry	Sun Microsystems, others?	Based upon open source ebxmlrr
DCC Admin Application	Sun Microsystems	Based upon open source ebxmlrr
DCC ebMS Server		SunONE STA products could be used
DCC CPA Editor		SunONE STA products could be used
May Clinic ebMS Service		SunONE STA products could be used
XACML Engine	Sun Microsystems	Based upon open source sunxacml
Open Office		Based upon open source openoffice
May Web Server	Sun Microsystems	Includes plugin