

Zone Integration Server 2.0r1 Product Standard

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NAME

Zone Integration Server 2.0r1

LABEL FOR LOGO

Zone Integration Server 2.0r1

DESCRIPTION

The Zone Integration Server 2.0r1 Product Standard defines the requirements for a Zone Integration Server to be considered conformant to the SIF Implementation Specification (*see* below). The following definitions are used in this document:

- The *SIF Implementation Specification* is the Schools Interoperability Framework Implementation Specification 2.0r1, supplemented by any *Interpretations* applicable to this particular version and revision of the Specification. For a description of *Interpretations*, *see* Section 9 of the Schools Interoperability Framework Certification Policy.
- A *SIF Zone Integration Server (ZIS)* manages SIF-enabled Applications (*see* below) within a logical entity known as a *Zone*. *See* Section 3.3 of the SIF Implementation Specification.
- A *SIF-enabled Application* is a software product or service that communicates with a SIF Zone Integration Server. *See* Section 3.3 of the SIF Implementation Specification.
- *TLS* is version 1.0 of the Transport Layer Security protocol, as specified in IETF RFC 2246.
- *SSL3* is version 3.0 of the Secure Sockets Layer protocol, as specified in the IETF Internet Draft The SSL Protocol Version 3.0. For a discussion of TLS backward compatibility with SSL3, *see* Appendix E to IETF RFC 2246.
- *SSL2* is version 2.0 of the Secure Sockets Layer protocol, as specified in the Netscape Draft RFC The SSL Protocol. For a discussion of TLS backward compatibility with SSL2, *see* Appendix E to IETF RFC 2246.
- *HTTP* is version 1.1 of the Hypertext Transport Protocol, as specified in IETF RFC 2616.
- The *SIF HTTPS Protocol* defines a transport protocol that combines a subset of HTTP with TLS, SSL3 and/or a limited subset of SSL2. *See* Section 3.3.7 of the SIF Implementation Specification.
- *XML* is version 1.0, Third Edition, of the Extensible Markup Language, as specified in the W3C Recommendation of 4 February 2004.
- The *SIF Messaging Protocols* define the sequencing and processing of SIF messages. *See* Section 4 of the SIF Implementation Specification.
- The *SIF Message Specification* defines an XML Schema (XSD) for messages exchanged between a SIF ZIS and a SIF-enabled Application. *See* Section 5 of the SIF Implementation Specification.
- The *SIF Data Model* defines an XML Schema (XSD) for data exchanged between a SIF ZIS and a SIF-enabled Application. *See* Section 6 of the SIF Implementation Specification.
- A GUID is a Globally Unique Identifier (also known as a UUID or Universally Unique Identifier), as specified in the IETF RFC 4122.

CONFORMANCE REQUIREMENTS

The conformance requirements for a Zone Integration Server are derived from the SIF Implementation Specification. A Zone Integration Server Application must demonstrate that it can:

- Meet all Zone Integration Server requirements documented in Section 3.3.5 of the SIF Implementation Specification.
- Support SIF-enabled applications that register with the ZIS and, if applicable, request data objects via the ZIS using version 2.0r1.
- Support SIF-enabled applications that register with the ZIS and, if applicable, request data objects via the ZIS using version 2.* or equivalent (*).
- Encrypt, transport, and authenticate encapsulated SIF messages in a manner that conforms with the SIF HTTPS protocol.
- Exchange messages that are uniquely identified by a GUID and sequenced and processed in a manner that conforms with the SIF Message Handling Protocols.
- Exchange messages that conform to the data definitions of the SIF Message Specification. Required and mandatory elements must be supported; optional and conditional elements may be supported at the discretion of the implementer.
- Exchange messages containing data objects that conform to the SIF Data Model. Required and mandatory elements must be supported; optional and conditional elements may be supported at the discretion of the implementer.

There are no requirements placed upon a Zone Integration Server that constrain the way that the conformance requirements are met, and in particular there are no requirements concerning how any software components are integrated together to constitute a conforming product or service.

OPERATIONAL ENVIRONMENT

None.

PORTABILITY ENVIRONMENT

None.

OVERRIDING STANDARDS

None.

INDICATORS OF CONFORMANCE

A test report from a currently approved formal release of the Zone Integration Server Test Suite is required. The Test Suite will be hosted on the SIF Association's web server and accessed over the Internet.

MIGRATION

There are no prior versions of this Product Standard.

Revision History:

Issue	Date	Change History
1	July 19, 2007	First release of the Zone Integration Server 2.0r1 Product Standard.
2	October 2009	Removed hyperlinks to SSL Protocol documents as they were obsolete. The requirements for certification remain unchanged.