

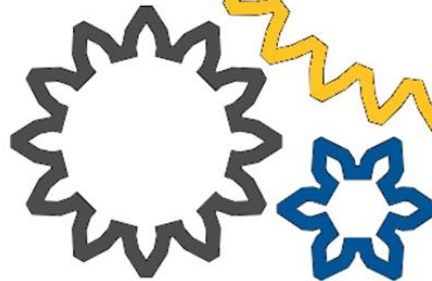


Access 4 Learning  
Community

Powered by:  **SIF**

Simple. Secure. Scalable. Standard.

# Zone Integration Server 2.0r1 Product Standard



[www.A4L.org](http://www.A4L.org)

Issue 3.1, August 2015

**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 SIF 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 SIF Certification Program 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 SIF 2 Enabled Application Test Suite is required.

The Test Suites 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:**

<b>Issue</b>	<b>Date</b>	<b>Change History</b>
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.
3	May 2014	Updated document format, minor changes made to nomenclature not affecting overall document content.
3.1	August 2015	Re-brand (A4L) formatting.