



This PDF is generated from authoritative online content, and is provided for convenience only. This PDF cannot be used for legal purposes. For authoritative understanding of what is and is not supported, always use the online content. To copy code samples, always use the online content.

Orchestration Server Developer's Guide

Contents of SCXML Language Reference

12/14/2025

Contents of SCXML Language Reference

The organization and content of the [SCXML Language Reference](#) is detailed below. Numbers are included on this page so you can see the items that fall under every subtopic.

- 1 Usage
- 2 Syntax and Semantics
 - 2.1 Basic Elements
 - 2.2 Managing Data
 - 2.2.1 Data sharing between SCXML sessions
 - 2.3 Events
 - 2.3.1 Internal Events
 - 2.3.2 External Events
- 3 Extensions and Deviations
 - 3.1 ECMAScript
 - 3.1.1 System Variables
 - 3.1.1.1 Protected Variables
 - 3.1.1.2 `_data` (ORS extensions)
 - 3.1.2 Variable Scoping
 - 3.1.3 Object Ownership
 - 3.1.4 Functions
 - 3.1.4.1 E4X (ECMAScript for XML)
 - 3.1.4.2 JSON
 - 3.1.4.3 `__getDocumentURL`
 - 3.1.4.4 `__getDocumentBaseURL`
 - 3.1.4.5 `__log`
 - 3.1.4.6 `__raise`
 - 3.1.4.7 `__getDocumentType`
 - 3.1.4.8 `__getCurrentStates`
 - 3.1.4.9 `__getQueuedEvents`
 - 3.1.4.10 `__in`
 - 3.2 SCXML Elements
 - 3.2.1 `<anchor>`
 - 3.2.2 `<cancel>`
 - 3.2.3 `<data>`
 - 3.2.3.1 Attribute Details
 - 3.2.4 `<foreach>` (Since ORS 8.1.200.40, SCXML 8.1.000.77)
 - 3.2.4.1 Attribute Details
 - 3.2.5 `<history>`
 - 3.2.6 `<invoke>`
 - 3.2.7 `<scxml>`
 - 3.2.7.1 Attribute Details
 - 3.2.8 `<log>`
 - 3.2.9 `<state>`
 - 3.2.9.1 Attribute Details
 - 3.2.10 `<param>`
 - 3.2.11 `<transition>`
 - 3.2.11.1 ORS Version 8.1.200.60/8.1.300.01
 - 3.2.12 `<validate>`
 - 3.2.13 `<xi:include>`
 - 3.2.13.1 Attribute Details
 - 3.2.13.2 Children
 - 3.3 Event Extensions
- 4 Logging and Metrics
- 5 Supported URI Schemes
- 6 Supported Profiles
- 7 Examples
 - 7.1 Using `<xi:include>`