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Semantic Execution Environment (SEE)

Execution Semantics

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Editor:
John Domingue, The Open University <j.b.domingue@open.ac.uk>
Barry Norton, The Open University <B.J.Norton@open.ac.uk>
Maciej Zaremba, DERI <maciej.zaremba@deri.org>

Contributors:
John Domingue, The Open University <j.b.domingue@open.ac.uk>
Barry Norton, The Open University <B.J.Norton@open.ac.uk>
Maciej Zaremba, DERI <maciej.zaremba@deri.org>

Abstract:
SEE strives to provide guidelines for a Semantic Web Services platform enabling dynamic discovery, mediation and invocation of Semantic Web Services. It is an architecture based on loosely-coupled components following the principles of Service Oriented Architecture where interactions between the components are not by any means preordained but can be specified during the system exploitation.

Status:
This document is updated periodically on no particular schedule. Send comments to the editor.

Committee members should send comments on this specification to the semantic-ex@lists.oasis-open.org list. Others should subscribe to and send comments to the semantic-ex-comment@lists.oasis-open.org list. To subscribe, send an email message to semantic-ex-comment-request@lists.oasis-open.org with the word "subscribe" as the body of the message.

For information on whether any patents have been disclosed that may be essential to implementing this specification, and any offers of patent licensing terms, please refer to the Intellectual Property Rights section of the Semantic Execution Environment TC web page (http://www.oasis-open.org/committees/semantic-ex/).

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1 Introduction

1.1 Terminology

The key words *must*, *must not*, *required*, *shall*, *shall not*, *should*, *should not*, *recommended*, *may*, and *optional* in this document are to be interpreted as described in **[RFC2119]**.

1.2 Document Overview

2 Motivation

2.1 Rationale behind using Execution Semantics

3 Proposed Description Formalism

Use of UML activity diagrams and WSML?

4 Overall Approach

4.1 Capability based service execution

4.2 Goal centric Web Service discovery

4.3 The invocation of Web Services

Emphasize here that execution is with choreography

4.4 Register communication with SEE

5 Dynamic execution semantics

70

71 Include all components here

72

6 References

6.1 Normative

[RFC2119]   S. Bradner, *Key words for use in RFCs to Indicate Requirement Levels*, http://www.ietf.org/rfc/rfc2119.txt, IETF RFC 2119, March 1997.

Appendix A. Acknowledgments

The following individuals were members of the committee during the development of this specification:

- …

In addition, the following people made contributions to this specification:

- …

83 # Appendix B. Revision History

Rev	Date	By Whom	What
wd-00	2005-11-28	Maciej Zaremba	Initial version
wd-00	2005-11-1	John Domingue and Barry Norton	Light edit of initial version

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Appendix C. Notices

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