

7

Referências

BERNERS-LEE, T., HENDLER, J. and LASSILA, O. **The Semantic Web**. Scientific American, Maio 2001.

BTP, 2001. **Business Transaction Protocol**. Oasis Comitee. Disponível em: <http://www.oasis-open.org/committees/business-transactions/#commspec>

BURG, B. **Agents in the World of Active Web-Services**. LNCS 2362, p. 343 ff. Springer Verlag, 2002.

CAMPBELL, A.E. and SHAPIRO, S.C. **Ontological Mediation: An Overview**. In Proceedings of the IJCAI Workshop on Basic Ontological Issues in Knowledge Sharing. AAAI Press, Menlo Park CA, 1995.

DUMBILL, E., **The Semantic Web: A Primer**. Disponível em: <http://www.xml.com/pub/a/2000/11/01/semanticweb/>

FENSEL, D. and BUSSLER, C. **The Web Services Modeling Framework – WSMF Extended Abstract**. Disponível em: <http://informatik.uibk.ac.at/users/c70385/wese/wsmf.bis2002.pdf>

FROLUND, S. **Coordinating Distributed Objects. An Actor-Based Approach to Synchronization**. MIT Press, 1996

Garlan, D. and Shaw, M. **An Introduction to Software Architecture, Advances in Software Engineering and Knowledge Engineering**, Series on Software Engineering and Knowledge Engineering, Vol 2, World Scientific Publishing Company, Singapore, pp. 1-39, 1993.

GRUNINGER, M. and LEE, J. **Ontology Applications and Design**. Communications of the ACM, Fevereiro 2002, Volume 45, Número 2.

GUHA, R. and MCCOOL R. **A System for integrating Web Services into a Global Knowledge Base**. Disponível em: <http://tap.stanford.edu/sw002.html>

GRAY, J. and REUTER, A. **Transaction Processing: Concepts and Techniques**. Morgan Kaufmann, 1993.

HENDLER, J., **Agents and the Semantic Web** Disponível em: <http://www.csumd.edu/users/hendler/AgentWeb.html>

HEFLIN, J. and HENDLER, J. **Searching the web with shoe. In Artificial Intelligence for Web Search**. Papers from the AAAI Workshop. WS-00-01, pages 35--40. AAAI Press, 2000.

HTML **Hypertext Markup Language**. W3C Consortium. Disponível em: <http://www.w3c.org/html>

IIOP **IIOP: OMG's Internet Inter-ORB Protocol**. OMB Disponível em: <http://www.omg.org/library/iiop4.html>

INGHAM, D. ; LITTLE, M. ; PARASTATIDIS, S. **Position Paper on Web Transactions**. Proceedings of the World Wide Web Consortium Workshop on web Services. April 2001.

KIRTLAND, M. **Web Services Essentials**. Microsoft Developer Network. January, 2001.

KREGER, H. **Web Services Conceptual Architecture**. IBM Software Group White Paper, May 2001.

NEWCOMER, E. ; HURLEY, O. **Web Services Definition**. Proceedings of the World Wide Web Consortium Workshop on web Services. April 2001.

PALMER, S. **The Semantic Web : An Introduction**. Disponível em: <http://infomesh.net/2001/swintro>

PONEEKANTI, S. ; FOX, A. **SWORD: A developer Toolkit for Web Service Composition**. Proceedings of the Eleventh International World Wide Web Conference. Hawaii, 2002.

SNELL, J. **The Web Services Insider, Part 10: Digging into the issues**. Disponível em: <http://www-106.ibm.com/developerworks/webservices/library/ws-ref10/>

Simple Object Access Protocol. W3C Consortium Disponível em: <http://www.w3.org/2000/xp/Group/>

SWARTZ, A. **The Semantic Web in Breadth**. Disponível em: <http://logicerror.com/semanticWeb-long>

TAP. **Tap Project**. Stanford University. Disponível em: <http://tap.stanford.edu>

WEISS, G. **Multiagent Systems : A Modern Approach to Distributed Artificial Intelligence**. Combrigde, MA, MIT Press, 1999

SNELL, L. **Introducing the Web Services Flow Language**. Disponível em: <http://www-106.ibm.com/developerworks/library/ws-ref4/>

DREAMTECH SOFTWARE TEAM. **Cracking the code: Peer-to-Peer Application Development**. Hungry Minds, 2002.

MAHAMY, D.; EISENBERG, R.; MURALEEDHARAN, P.G.; PINNOCK, J. **Early Adopter Hailstorm (.Net MyServices)**. Wrox, 2001.

SZYPERSKI, C. **Component Software: Beyond Object-Oriented Programming**. Addison-Wesley, New York, 1999.

WEINREICH, R. **A Component Framework for Direct Manipulation Editors**, Proceedings, The 25th International Conference on the Technology of Object-Oriented Languages and Systems (TOOLS), IEEE Computer Society Press, Melbourne, Australia, 1997, pp.93-101.

WSCOORD. **Web Services Coordination Specification** , <http://www-106.ibm.com/developerworks/library/ws-coor/>

WSTRANS. **Web Services Transaction Specification**, <http://www-106.ibm.com/developerworks/library/ws-transpec/>

MALONE, T. e CROWSTONE, K. **The interdisciplinary study of coordination**. **ACM Computing Surveys**, 26(1):87-119, 1994.

PAPADOPOULOS, G.A. e ARBAB, F. **Coordination models and languages**. Advances in Computers, 46: The Engineering of Large Systems, 1998.

SAMETINGER, J. **Software Engineering with Reusable Components**. Springer-Verlag, Berlin, 1997.

SOMMERVILLE, I. **Software Engineering**. Addison-Wesley, Sixth edition, 2000.

SWARTZ, A., **The Semantic Web in Breadth** Disponível em: <http://logicerror.com/semanticWeb-long>

HEINEMAN, G. and COUNCILL, W. **Component-Based Software Engineering: Putting the pieces together**

ICQ. ICQ™. Mirabilis, inc. Disponível em: <http://www.icq.com>

AGHA, G. **Actors: A Model of Concurrent Computation in Distributed Systems**. MIT Press, Cambridge, MA, 1986.

JXTA. Project JXTA: An Open, Innovative Collaboration. Disponível em: <http://www.jxta.org/project/www/docs/OpenInnovative.pdf>

HEWITT, C. Viewing Control Structures as Patterns of Passing Messages. Journal of Artificial Intelligence, 8(3):323-364, 1997.

MAEDCHE, A. **Ontology Learning for the Semantic Web**. Springer-Verlag, 2002

ABERER, K. & DESPOTOVIC, Z. **Managing Trust in a Peer-to-Peer Information System**. Proceedings of ACM Conference on Information and Knowledge Management. Atlanta, Georgia, USA, 2001.

e-Bay Disponível em: www.ebay.com

NAPSTER Disponível em: www.napster.com

GROOVE Network Disponível em: www.groove.net

JXTA, 2001. JXTA v 1.0 Protocols Specification Disponível em: <http://spec.jxta.org/v1.0/docbook/JXTAProtocols.html>

LITTLE, M. **A Framework for Implementing Business Transactions on the Web**. Disponível em: http://www.oasis-open.org/committees/business-transactions/documents/HP_submission.pdf

KLEINROCK, L. **Nomadcity: Anytime, anywhere in a disconnected world**, Mobile Networks and Applications, 1998, Vol. 1, No. 4, pp 351-357

KLEINROCK, L. **Nomadic computing - an opportunity**, Computer Communications Review, January 1995

THOMAS, R. **A majority consensus approach to concurrency control for multiple copy databases**. ACM Transactions on Database Systems, 4(2):180--209, June 1979

BRICKLEY, D. & MILLER, L. **FOAF. 'Friend of a Friend vocabulary'** Disponível em: <http://xmlns.com/foaf/0.1/>

IBM WebSphere Application Server. IBM Corporation. Disponível em: <http://www-3.ibm.com/software/info1/websphere/index.jsp?tab=products/appserv>

BEA WebLogic. BEA, inc. Disponível em:
<http://www.bea.com/framework.jsp?CNT=index.htm&FP=/content/products/server>

Sun iPlanet. Sun Microsystems. Disponível em:
http://www.sun.com/software/products/appsrvr/home_appsrvr.html

Orlean, D., Ferreira, F., Lucena, C. **Everyware: Dealing with e-commerce Pervasiveness.** Proceeding of the International Conference on Internet Computing. Las Vegas, 2001

MIT. **Kerberos Authentication Protocol.** Disponível em:
http://web.mit.edu/kerberos/www/#what_is)

Anexo 1 – A ontologia Hybrid iCal

Este anexo apresenta o trecho da ontologia Hybrid iCal utilizado na aplicação de calendários:

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<!DOCTYPE rdf:RDF (View Source for full doctype...)>
<rdf:RDF xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
  xmlns:iCalendar="http://ilrt.org/discovery/2001/06/schemas/ical-
  full/hybrid.rdf#" xmlns:rdfs="http://www.w3.org/2000/01/rdf-
  schema#" xmlns:dc="http://purl.org/dc/elements/1.1/">
  <rdf:Description rdf:about="" dc:creator="Michael Arick"
    dc:contributor="Libby Miller" dc:title="Hybrid iCal-like RDF Schema"
    dc:description="This RDF Schema represents a hybrid of two RDF
    schema written by Michael Arick and Libby Miller. These schema are
    intended to implement calendar/scheduling data (see iCalendar, calsh
    working group, IETF)." dc:date="2001-06-17" />
  <rdfs:Class rdf:about="http://ilrt.org/discovery/2001/06/schemas/ical-
  full/hybrid.rdf#BINARY" rdfs:label="binary" rdfs:comment="Used to
  identify properties that contain a character encoding of inline binary
  data.">
    <rdfs:subClassOf rdf:resource="http://www.w3.org/2001/XMLSchema-
    datatypes#base64binary" />
  </rdfs:Class>
  <rdfs:Class rdf:about="http://ilrt.org/discovery/2001/06/schemas/ical-
  full/hybrid.rdf#BOOLEAN" rdfs:label="boolean" rdfs:comment="A
  boolean data type. The iCalendar rfc 2445 defines it as a literal, either
  TRUE or FALSE (case insensitive)">
    <rdfs:subClassOf rdf:resource="http://www.w3.org/2001/XMLSchema-
    datatypes#boolean" />
  </rdfs:Class>
  <rdfs:Class rdf:about="http://ilrt.org/discovery/2001/06/schemas/ical-
  full/hybrid.rdf#CAL-ADDRESS" rdfs:label="Calendar user address"
```

```

    rdfs:comment="Used to identify properties that contain a calendar user
    address. When used to address an Internet email transport address
    for a calendar user, the value must be a MAILTO uri">
<rdfs:subClassOf rdf:resource="http://www.w3.org/2001/XMLSchema-
    datatypes#anyURL" />
</rdfs:Class>
<rdfs:Class rdf:about="http://ilrt.org/discovery/2001/06/schemas/ical-
    full/hybrid.rdf#TimeEntry" rdfs:label="TimeEntry" rdfs:comment="Date
    or Date-Time" />
<rdfs:Class rdf:about="http://ilrt.org/discovery/2001/06/schemas/ical-
    full/hybrid.rdf#DATE" rdfs:label="Date" rdfs:comment="A value type
    which is used to identify values that specify a calendar date.">
<rdfs:subClassOf rdf:resource="http://www.w3.org/2001/XMLSchema-
    datatypes#date" />
<rdfs:subClassOf
    rdf:resource="http://ilrt.org/discovery/2001/06/schemas/ical-
    full/hybrid.rdf#TimeEntry" />
<rdfs:subClassOf
    rdf:resource="http://ilrt.org/discovery/2001/06/schemas/ical-
    full/hybrid.rdf#TriggerEntry" />
</rdfs:Class>
<rdfs:Class rdf:about="http://ilrt.org/discovery/2001/06/schemas/ical-
    full/hybrid.rdf#DATE-TIME" rdfs:label="Date-time" rdfs:comment="A
    value type which is used to identify values that specify a precise
    calendar date and time of day.">
<rdfs:subClassOf rdf:resource="http://www.w3.org/2001/XMLSchema-
    datatypes#dateTime" />
<rdfs:subClassOf
    rdf:resource="http://ilrt.org/discovery/2001/06/schemas/ical-
    full/hybrid.rdf#TimeEntry" />
</rdfs:Class>
<rdfs:Class rdf:about="http://ilrt.org/discovery/2001/06/schemas/ical-
    full/hybrid.rdf#DURATION" rdfs:label="duration of time"
    rdfs:comment="a duration of time">
</rdfs:Class>
<rdfs:Class rdf:about="http://ilrt.org/discovery/2001/06/schemas/ical-
    full/hybrid.rdf#FLOAT" rdfs:label="Float" rdfs:comment="float data
    type">

```

```
<rdfs:subClassOf rdf:resource="http://www.w3.org/2001/XMLSchema-  
datatypes#float" />  
</rdfs:Class>  
<rdfs:Class rdf:about="http://ilrt.org/discovery/2001/06/schemas/ical-  
full/hybrid.rdf#INTEGER" rdfs:label="Integer" rdfs:comment="a signed  
integer">  
<rdfs:subClassOf rdf:resource="http://www.w3.org/2001/XMLSchema-  
datatypes#integer" />  
</rdfs:Class>  
<rdfs:Class rdf:about="http://ilrt.org/discovery/2001/06/schemas/ical-  
full/hybrid.rdf#PERIOD" rdfs:label="a period of time" rdfs:comment="a  
precise period of time. Either a start DATE-TIME and an end DATE-  
TIME or a start DATE-TIME and a DURATION">  
</rdfs:Class>
```


9 Anexo II – A ontologia DAML Agenda

Este anexo apresenta o trecho da ontologia DAML Agenda utilizada na aplicação de calendários:

```
<?xml version="1.0" encoding="ISO-8859-1" ?>
  <!DOCTYPE rdf:RDF (View Source for full doctype...)>
  <rdf:RDF xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#"
    xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#"
    xmlns:daml="http://www.daml.org/2001/03/daml+oil#">
  <daml:Ontology rdf:about="">
    <daml:versionInfo>$Id: agenda-ont.daml,v 1.6 2002/10/08 12:43:02
      mdean Exp $</daml:versionInfo>
    <rdfs:comment>Meeting Agenda Ontology</rdfs:comment>
  </daml:Ontology>
  <rdfs:Class rdf:ID="Meeting">
  <rdfs:subClassOf>
  <daml:Restriction>
  <daml:onProperty rdf:resource="#name" />
  <daml:toClass
    rdf:resource="http://www.w3.org/2000/10/XMLSchema#string" />
  </daml:Restriction>
  </rdfs:subClassOf>
  <rdfs:subClassOf>
  <daml:Restriction>
  <daml:onProperty rdf:resource="#name" />
  <daml:cardinality>1</daml:cardinality>
  </daml:Restriction>
  </rdfs:subClassOf>
  <rdfs:subClassOf>
  <daml:Restriction>
  <daml:onProperty rdf:resource="#uri" />
```

```

<daml:toClass
  rdf:resource="http://www.w3.org/2000/10/XMLSchema#uriReference" />
</daml:Restriction>
</rdfs:subClassOf>
<rdfs:subClassOf>
<daml:Restriction>
  <daml:onProperty rdf:resource="#uri" />
  <daml:maxCardinality>1</daml:maxCardinality>
  </daml:Restriction>
  </rdfs:subClassOf>
<rdfs:subClassOf>
<daml:Restriction>
  <daml:onProperty rdf:resource="#location" />
  <daml:toClass
    rdf:resource="http://www.w3.org/2000/10/XMLSchema#string" />
    </daml:Restriction>
    </rdfs:subClassOf>
  <rdfs:subClassOf>
  <daml:Restriction>
    <daml:onProperty rdf:resource="#location" />
    <daml:cardinality>1</daml:cardinality>
    </daml:Restriction>
    </rdfs:subClassOf>
  <rdfs:subClassOf>
  <daml:Restriction>
    <daml:onProperty rdf:resource="#day" />
    <daml:toClass rdf:resource="#Day" />
    </daml:Restriction>
    </rdfs:subClassOf>
  <rdfs:subClassOf>
  <daml:Restriction>
    <daml:onProperty rdf:resource="#day" />
    <daml:minCardinality>1</daml:minCardinality>
    </daml:Restriction>
    </rdfs:subClassOf>
  </rdfs:Class>

```

```
<rdfs:Class rdf:ID="AgendaItem" />
<rdfs:Class rdf:ID="SimpleAgendaItem">
  <rdfs:subClassOf rdf:resource="#AgendaItem" />
<rdfs:subClassOf>
<daml:Restriction>
  <daml:onProperty rdf:resource="#duration" />
<daml:toClass
  rdf:resource="http://www.w3.org/2000/10/XMLSchema#timeDuration" />
</daml:Restriction>
</rdfs:subClassOf>
</rdfs:Class>
<rdfs:Class rdf:ID="Talk">
  <rdfs:subClassOf rdf:resource="#SimpleAgendaItem" />
<rdfs:subClassOf>
<daml:Restriction>
  <daml:onProperty rdf:resource="#title" />
<daml:toClass
  rdf:resource="http://www.w3.org/2000/10/XMLSchema#string" />
</daml:Restriction>
</rdfs:subClassOf>
<rdfs:subClassOf>
<daml:Restriction>
  <daml:onProperty rdf:resource="#uri" />
<daml:toClass
  rdf:resource="http://www.w3.org/2000/10/XMLSchema#uriReference" />
</daml:Restriction>
</rdfs:subClassOf>
<rdfs:subClassOf>
<daml:Restriction>
  <daml:onProperty rdf:resource="#speaker" />
  <daml:toClass rdf:resource="#Speaker" />
  </daml:Restriction>
</rdfs:subClassOf>
</rdfs:Class>
<rdfs:Class rdf:ID="Break">
```

```

<rdfs:subClassOf rdf:resource="#SimpleAgendaItem" />
<rdfs:subClassOf>
<daml:Restriction>
  <daml:onProperty rdf:resource="#theme" />
<daml:toClass
  rdf:resource="http://www.w3.org/2000/10/XMLSchema#string" />
</daml:Restriction>
</rdfs:subClassOf>
</rdfs:Class>
<rdfs:Class rdf:ID="Block">
<rdfs:subClassOf rdf:resource="#AgendaItem" />
<rdfs:subClassOf>
<daml:Restriction>
  <daml:onProperty rdf:resource="#theme" />
<daml:toClass
  rdf:resource="http://www.w3.org/2000/10/XMLSchema#string" />
</daml:Restriction>
</rdfs:subClassOf>
<rdfs:subClassOf>
<daml:Restriction>
  <daml:onProperty rdf:resource="#items" />
<daml:toClass
  rdf:resource="http://www.daml.org/2001/03/daml+oil#List" />
<rdfs:comment>List of AgendaItem</rdfs:comment>
</daml:Restriction>
</rdfs:subClassOf>
</rdfs:Class>
<rdfs:Class rdf:ID="Day">
<rdfs:subClassOf rdf:resource="#Block" />
<rdfs:subClassOf>
<daml:Restriction>
  <daml:onProperty rdf:resource="#start" />
<daml:toClass
  rdf:resource="http://www.w3.org/2000/10/XMLSchema#timeInstant
" />
</daml:Restriction>
</rdfs:subClassOf>

```

```
</rdfs:Class>
<rdfs:Class rdf:ID="Speaker">
<rdfs:subClassOf>
<daml:Restriction>
  <daml:onProperty rdf:resource="#name" />
<daml:toClass
  rdf:resource="http://www.w3.org/2000/10/XMLSchema#string" />
  </daml:Restriction>
  </rdfs:subClassOf>
<rdfs:subClassOf>
<daml:Restriction>
  <daml:onProperty rdf:resource="#name" />
  <daml:cardinality>1</daml:cardinality>
  </daml:Restriction>
  </rdfs:subClassOf>
<rdfs:subClassOf>
<daml:Restriction>
  <daml:onProperty rdf:resource="#organization" />
<daml:toClass
  rdf:resource="http://www.w3.org/2000/10/XMLSchema#string" />
  </daml:Restriction>
  </rdfs:subClassOf>
<rdfs:subClassOf>
<daml:Restriction>
  <daml:onProperty rdf:resource="#email" />
<daml:toClass
  rdf:resource="http://www.w3.org/2000/10/XMLSchema#string" />
  </daml:Restriction>
  </rdfs:subClassOf>
<rdfs:subClassOf>
<daml:Restriction>
  <daml:onProperty rdf:resource="#homePage" />
<daml:toClass
  rdf:resource="http://www.w3.org/2000/10/XMLSchema#uriReferenc
e" />
  </daml:Restriction>
  </rdfs:subClassOf>
```

```
</rdfs:Class>
<daml:ObjectProperty rdf:ID="day" />
<daml:DatatypeProperty rdf:ID="duration" />
<daml:DatatypeProperty rdf:ID="email" />
<daml:DatatypeProperty rdf:ID="homePage" />
<daml:ObjectProperty rdf:ID="items" />
<daml:DatatypeProperty rdf:ID="location" />
<daml:DatatypeProperty rdf:ID="name" />
<daml:DatatypeProperty rdf:ID="organization" />
<daml:ObjectProperty rdf:ID="speaker" />
<daml:DatatypeProperty rdf:ID="start" />
<daml:DatatypeProperty rdf:ID="theme" />
<daml:DatatypeProperty rdf:ID="title" />
<daml:DatatypeProperty rdf:ID="uri" />
<daml:DatatypeProperty rdf:ID="object" />
</rdf:RDF>
```