

Index

A

Access Control 217-218, 220-221, 225, 230, 235-237, 240
 ADL 30, 48, 51, 61, 65, 67, 69-73, 77, 82, 85, 91-93, 96-107, 109, 111, 113-115, 124-125, 134-136, 253-256
 AEPD 258
 Agent 121, 128-129, 158, 198, 201-202, 211-212, 215-219, 223-224, 226, 230-231, 240
 aggregates 3
 AORTA 234-238
 Archetypes 3, 9, 14, 19, 24, 30-32, 36, 39, 43, 45-52, 55, 57, 59, 61, 65, 67, 69-72, 76-77, 82-85, 87, 89-92, 94, 96-103, 106, 111-113, 115-126, 128, 133-137, 222, 251-256

B

bottlenecks 246
 breast cancer 187, 250-252, 254-256, 258-260, 262
 Business Process Management (BPM) 43

C

Canada 5-6, 12, 14-15
 CDSS 10, 126, 251-253
 CEN 32, 46-48, 50, 52, 55-57, 62, 89, 213, 222, 251
 Clinical Terminology 19, 24-25, 30, 36, 40, 43, 85, 95
 Context 3, 9-11, 13-14, 24, 36, 46-47, 49, 52, 60-61, 63-64, 88-89, 92, 99-100, 112-113, 116-118, 121, 128, 132, 149-151, 155, 157-161, 164-167, 169-176, 187, 212, 219-220, 225, 230, 233, 251, 255-256
 CORBA 2
 CRS-SISS 234, 236-237

D

Data Management System 184
 Data Virtualization 230
 DCOM 2
 Denmark. 14, 26, 95

E

E-Health 5-6, 11, 14, 20, 43, 191, 200
 Electronic Healthcare Record 59-61, 81
 Electronic Health Record (EHR) 43, 46, 89, 200, 251
 Electronic Health Records (EHR) 149, 151, 177, 182
 EN13606 32, 46, 57, 251
 epSOS 56, 233

G

Grid Computing 185, 187-189, 195, 207
 Grid Storage 186, 191-192

H

hard-coded 47
 HealthGrid 185, 187-190
 Health Information System (HIS) 186, 230
 HEDECAMA 251-252, 254-255, 260
 heterogeneity 48, 57, 64, 149-152, 156-157, 159-161, 163-164, 166-169, 171-172, 176-177, 232, 239, 243, 245, 247, 251
 HIT 5-6, 9, 11-12, 14
 HL7 (Health Level Seven) 21, 182
 homogeneity 234

I

ISO 14, 29-30, 46-48, 50, 52, 55-57, 60, 62-63, 65-67, 69-72, 75-77, 89, 212-213, 251

J

Java 2, 32, 49, 74, 92-93, 98, 109, 125, 134, 197, 205, 216-218, 223-224, 231, 256
 Java Agent Development Environment (JADE) 216, 231

L

legitimate relationship 235
 Life Science 183, 185, 246
 LinkEHR 45-46, 48-49, 53, 55-57
 LOPD 258
 LRS 235

M

machine learning 251, 258-259
 meta-information 258
 meta-model 15, 99
 middleware 30, 39, 49, 187-188, 191, 193-194, 202, 212-213, 222, 232-234, 238-239, 242-243, 245-246
 Model-Driven Engineering 65, 81
 multi-laterality 233
 multilingualism 233

N

NHS 85, 234-235, 237-238
 NICTIZ 234-235

O

OMIM 246
 oncology 99, 246, 251, 259
 Ontology 25, 28, 48, 61, 64, 66-67, 81-82, 84, 91-93, 96-100, 102-103, 111-113, 117, 119-123, 128-129, 131, 148-151, 156, 158-164, 167-174, 176, 246, 255
 OpenEHR 3, 9, 14, 27, 29, 31, 39, 48, 50, 60-63, 65-67, 69-72, 77, 82, 85, 88-92, 96, 99, 109, 111-113, 120, 122-126, 133-134, 151, 213, 242-243, 250-253, 255
 OWL 64, 70-71, 77, 84-85, 92-93, 96-98, 100-109, 111-115, 117-119, 121, 124-128, 131, 134-137, 152, 155-156, 158-162, 165-168, 170, 172, 176, 242, 253, 255-256

P

pathomechanisms 246
 PDS 235

Personalized Medicine 23, 44
 Prinejad 3
 Provenance 164, 169-171, 183

R

RDF 93, 102, 105-107, 109, 136, 152, 155-156, 164-168, 170, 176, 240, 242-243, 245-246
 RIM 3, 14, 24, 39, 64, 151-152, 159, 162, 176, 238, 253, 256, 258

S

SemanticHEALTH 3, 14-15, 84, 86-87, 135
 Semantic Interoperability 2-3, 45-47, 55, 59-61, 64, 66-67, 69, 72, 77, 81, 83-84, 86, 91, 94, 96-97, 99-100, 126, 132, 136, 148, 176, 211, 213, 219, 245, 250-251, 253
 Semantic Web 77, 81, 84, 92-93, 96, 98, 112, 133, 136, 149-152, 155, 157, 159-160, 164, 167-168, 170, 176, 183, 239-240, 243, 251
 Sensor Grid 184-188, 190-191, 193-197, 199-200, 202, 204-208
 SNOMED-CT 3, 9-10, 14, 26-28, 38, 62, 64-65, 74, 77, 85, 91, 95-96, 113, 118-119, 121-122, 126-129, 133, 135-136, 235-236, 250, 253, 255, 257
 Standard Developing Organization (SDO) 183
 sustainability 3, 5

T

TripleSpaces 232, 238, 240, 242, 244-247

W

Wireless Sensor Network 184-185, 193-194, 197, 200, 205
 Workflow 10, 12, 14, 25, 34-36, 44, 62, 70, 88, 113, 135, 194, 206, 211-220, 222-224, 226, 231, 251, 254
 Workflows and Agents Development Environment (WADE) 216, 231

X

XML 2, 9, 26, 35-37, 39, 45-46, 48-53, 57, 72, 74, 93, 98, 102, 105-107, 109, 196, 199, 201, 204-205, 208, 214, 220-222, 237, 243, 257
 XQuery 45, 49, 53, 57