References


References


160 References


References


References


Index

Activity-centric Process, 23
Apache Hadoop, 139
Apache HBase, 139
Apache Mahout, 142
Apache Pig, 139
Apache S4, 139
Apache Spark, 139
Apache ZooKeeper, 139
APQL, 98
Artifact centric, 37
Artifact-centric Process, 23

Beehivez, 97
Behavioral matching, 85
Big data analytics, 113
Big process graphs, 113
BP-Mon, 100
BP-QL, 96
BP-SPARQL, 101
BPEL, 96
BPM in the Cloud, 139
BPM lifecycle, 4
BPMN-Q, 93
Business process analysis (BPA), 5
Business process compliance, 102
Business process modeling notation (BPMN), 93
Business processes, 3
Business processes management, 3
Business rules approach (BRA), 41

Case handling, 8
Case management, 8, 56
Collaborative process, 57

Component model, 33
Constraint-based matching, 67
Content management system (CMS), 8
Correlation discovery, 10
Correlation syntax, 35
CRM, 8
Customer relationship management (CRM), 8

Data as a service (DaaS), 12
Data centric, 37
Data service, 109
Dataspace, 12, 110
DataSpace Support Platform (DSSPs), 12, 110
Delta analysis, 64
Deontic rules, 42
Derivation rules, 42

ECA rules, 26
Event driven business process management (EDBPM), 45
Event-Condition-Action Rules, 26
Exception handling syntax, 34
Execution engine, 24
Extract, transform, and load (ETL), 108

Finite state machine (FSM), 78
Hadoop, 13, 139
HDFS, 139

Integrity rules, 42
Interface matching, 69
Index

JBPM, 47

Knowledge intensive process, 57

Linguistic-based matching, 67

MapReduce, 13
Mashup, 12
Mega programming, 32
Mining Big Process Data, 139

NoSQL, 112

Online analytical processing (OLAP), 17, 114
Online transaction processing (OLTP), 114
Orchestration model, 34
Outsourcing, 108

P-OLAP, 115
Private business processes, 3
Process analytics, 11
Process aspects, 131
Process automation, 19
Process commercial tools, 137
Process conformance, 129
Process discovery, 129
Process enhancement, 129
Process graph, 79
Process matching, 76
Process mining, 128

Process open source tools, 137
Process space, 119
Process space management system, 123
Process-aware information systems (PAIS), 4, 7
Programmed control flow, 23
Protocol matching, 73
Provenance, 132
Public business processes, 3

R, 142
Reaction rule, 42
Rule-based language, 21
Rules engine, 23, 32
Rules-centric process, 23

Schema matching, 66
Semi-structured process, 21, 56
Similarity metric, 64
Social BPM, 20
Structural matching, 82
Structured process, 21

Transactional syntax, 35

Unstructured process, 21, 48

Web services composition language, 5
Workflow engine, 23, 32
Workflow management system (WFMS), 5