

Index

A

- Accounts Payable (J60), 30
- Architecture, 3
- As-is architecture, 25

B

- Big-bang deployment
 - approach, 167
- Bill of materials (BOM), 20, 98
- Brownfield approach, 9, 214
- Brownfield implementation, 9–11
- Business add-ins (BADI), 206
- Business case
 - benefits, 198
 - cost drivers
 - additional considerations, 195–198
 - delivery levers, 195
 - guidelines, 190–194
 - scope levers, 194
 - costs, 199
 - evaluation exercise, 181–184
 - risks, 199
 - value drivers
 - categories, 185, 186
 - levers, 187, 188
 - VLM, 189

- Business unit-driven
 - deployment, 168–169

C

- Cloud edition, 4
- Code Inspector, 50–52
- Configuration impact, 34
- Core data services
 - (CDS), 42
- Core processes
 - identification, 25
- Customer segment-driven
 - deployment, 169
- Cutover impact, 35

D

- Database migration
 - option (DMO), 108
- Data conversion
 - business partner, 76, 77
 - data objects, 60–62
 - methods, 66, 67
 - phases, 57–59
 - processes
 - cutover, 74, 75
 - data cleansing, 68–70
 - data freeze, 75

INDEX

Data conversion (*cont.*)

- data validation, 70–72
- mock data conversion testing, 72–74

RDM, 65

testing, 92

tools

LSWM, 65

MC, 65

MOM, 66

RDM, 63, 64

Data freeze, 75–76

Data impact, 34

assessment, 17, 18

Deployment choice, 4

Deployment strategy

additional levers, 173

big-bang deployment, 167

business unit-driven

deployment, 168

criteria, 170, 171

customer segments, 169

deployment constraints, 166

geography-driven

deployment, 168

options, 172

three-pronged approach,

164–166

value and functionality-based

deployment, 167

Development

brownfield implementation

addressing, 49

Code Inspector, 50–52

custom code

remediation, 52–56

custom inventory, 49, 50

Greenfield implementation

native SAP S/4HANA, 42

SAP cloud platform,

43, 44, 46, 48

E

Embedded analytics

CDS views

categories, 156

features, 153, 154

Fiori Launchpad, 154, 155

implementation, 157

integration, 158, 159

operational

reports, 152, 153

tools, 155

feature, 151

SAP BW/4 HANA, 159, 160

Enterprise Data Warehouse

(EDW), 21, 30, 151, 159

Enterprise Information

Management (EIM), 98

Enterprise Warehouse

Management (EWM), 6

ERP implementation

framework

assessment, 15

creation, 14

F

Feature pack stacks (FPSs), 5
 Financial services network (FSN), 31
 Financial supply chain
 management (FSCM), 189

Fiori

apps, 140
 architecture, 141, 142
 authorization, 149
 configuration, 148, 149
 deployment options, 142, 143
 design principles, 147, 148
 role-based applications, 138
 SAP UX technologies, 144–146
 single entry point for user, 139
 UI revolution, 137

Full-scale integration testing, 81

Full-time equivalent (FTE)
 model, 11

Functional impact assessment, 16
 Functional unit testing, 84

G

General Data Protection
 Regulation (GDPR), 59, 61

Geography-driven deployment
 approach, 168

Governance strategy
 layers, 174, 175
 organization chart, 176
 roles, 177–179

Greenfield implementation, 8, 214

H

High availability/disaster recovery
 (HA/DR), 19

I, J

Implementation approaches

Bluefield, 214, 215

Central Finance

architecture, 204

data scope, 207

development scope, 206, 207

embedded analytics, 208

functionalities, 205

functional scope, 206

mapping, 202, 203

testing scope, 207

Universal Journal, 203

S4HC, 208

data scope, 212

development scope, 212

embedded analytics, 213

functional scope, 211

options, 209, 210

rules, 210, 211

technical architecture, 212

testing scope, 212

Instructor-led training (ILT), 131

Integration impact, 35

K

Key design decisions (KDDs), 36

L

Legacy System Migration
 Workbench (LSMW), 65, 92

M, N

Master Data Governance (MDG)
 tool, 203
Migration Cockpit (MC), 65, 66
Migration Object Modeler
 (MOM), 66
Mock data conversions, 72

O

On-Premise edition, 4
Organizational change
 management (OCM), 20
 activities, 133, 134
 adoption phases, 132
 engagement cycle, 121–123
 impact, 35
 strategy
 change impact
 assessment, 124, 126
 communications
 planning, 129, 130
 communications/training
 plan, 127, 128
 stakeholder assessment,
 126, 127
 time plan
 blended approach, 131
 modes, 131, 132

P, Q

Performance testing, 88–90
Platform-as-a-service
 (PaaS), 43, 46
Process assessment, 24
Process impact, 34
Process ownership, 25
Process simplification, 4
Process vision, 26–28
Product development tracks, 4

R

Rapid data migration (RDM), 63
Regression testing, 91
Relational database management
 system (RDBMS), 151
Reports, interfaces, conversions,
 enhancements, forms, and
 workflows (RICEFWs), 11
Return on investment (ROI),
 27, 190, 199
Root cause analysis (RCA), 84

S

SAP analytics assessment, 21
SAP Analytics Cloud, 158
SAP best practice, 30
SAP S/4HANA
 benefits, 5
 capabilities, 28, 29
 changes, 5
 driving factors, 7

- mapping capabilities, 31, 32
- variants, 216–220
- SAP UX (Fiori) Assessment, 20, 21
- Security impact, 35
- Security testing, 93
- S/4HANA Cloud (S4HC), 208–211
- Simplification list
 - information, 29
 - process-level changes, 29, 30
- Software-as-a-Service (SaaS), 2, 46
- Suite on HANA (SOH), 3, 49
- System integration testing (SIT), 85

T

- Target business process model, 28
- Technical architecture
 - assessment, 19, 20
 - change management
 - landscape, 102, 103
 - datacenter strategy, 99
 - planning phase, 98
 - scalability, 100–102
 - high-level, 96, 98
 - infrastructure aspects, 95
 - migration
 - aspects, 96
 - brownfield
 - implementation, 104
 - DMO, 108
 - four-tier landscape, 109, 110
 - greenfield
 - implementation, 103
- maintenance planner,
 - 106, 107
 - preconditions, 105
 - SAP documents, 108, 109
- security
 - authorization, 111
 - building blocks, 112, 113
 - design, 113, 114
 - nonproduction
 - systems, 117, 118
 - role design, 117
 - role types, 115, 116
- Technical impact assessment, 17
- Test assessment, 18, 19
- Testing
 - cycles
 - data conversion, 92
 - functional unit, 84, 85
 - performance, 88–90
 - regression, 91
 - security, 93
 - SIT, 85
 - strategy, 83
 - test entrance criteria, 83
 - UAT, 86, 87
 - defect management process, 93
 - deliberate testing approach, 80
 - environments, 82
 - ERP-based transformations, 79
 - full-scale integration, 81, 82
- Three-pronged approach, 164
- To-be architecture, 26
- Total cost of ownership (TCO), 208
- Transportation Management (TM), 6

INDEX

U

- User acceptance
 - testing (UAT), 86–88
- User experience, 4

V, W, X, Y, Z

- Value Lifecycle Manager
 - (VLM), 189–190
- Virtual data models (VDMs), 152, 156