

Table of Contents

Foreword	5
Preface	7
Acknowledgements	9
1 Innovation with SAP HANA	11
1.1 The Data Avalanche	11
1.2 The Data Divide	14
1.3 A New Computing Era	17
1.4 In-Memory Computing	20
1.5 SAP HANA	23
2 Creating a Business Case for SAP HANA	25
2.1 Optimization and Innovation Use Cases	26
2.2 SAP HANA Scenarios	28
2.3 SAP HANA Custom-built Scenarios	30
2.4 SAP HANA Accelerators	46
2.5 SAP HANA Applications	55
2.6 SAP HANA for Existing SAP solutions	67
2.7 Rapid Deployment Solutions (RDS)	91
2.8 How to Create a Business Case for SAP HANA	93
3 Think In-Memory	109
3.1 The Imperative for In-Memory Computing	109
3.2 The Technical Core of In-Memory Computing	124

3.3	Working with Data In-memory	155
3.4	Writing Entire Applications in SAP HANA	182
3.5	Putting the Pieces Together	186
4	SAP HANA Project Management	189
4.1	Project Structure	189
4.2	Initiation	193
4.3	Planning	197
4.4	Implementation Cycles	216
4.5	Go-Live	237
4.6	Project Closure	240
5	The Road Ahead	243
5.1	The Bigger Picture	243
5.2	The Big Challenges in Enterprise IT	247
5.3	Global Challenges	251
5.4	Every Journey Starts with a First Step	255
5.5	A promise for the future of this book	258
A	The Authors	260
B	References & Resources	263
C	Disclaimer	267