

Contents

1	Introduction	1
1.1	The Emergence of Ruby	2
1.2	The Java Platform Is Weakening	4
1.3	Early Adopters Embrace Ruby	5
1.4	The Process	8
1.5	Moving Ahead	13
1.6	Executive Summary	13
2	Pain	14
2.1	The House of Pain	14
2.2	Poor Productivity	17
2.3	Long Ramp-Up	27
2.4	A Look at Risk	29
2.5	Executive Summary	33
3	Establishing Your Reward	34
3.1	Momentum	34
3.2	Productivity	37
3.3	Cost	46
3.4	Ramp-Up	49
3.5	Risk	55
3.6	Looking Ahead	57
3.7	Executive Summary	58
4	Pilot	59
4.1	Building Your Plan	59
4.2	Scenario 1: Classic Pilot	62
4.3	Scenario 2: Trojan Horse	66
4.4	Scenario 3: Race	69
4.5	Scenario 4: Bet-your-Business: Basecamp	71
4.6	Scenario 5: Rescue	72
4.7	Making the Choice	75
4.8	Executive Summary	75

5	On an Island	76
5.1	Overview	76
5.2	The Basics	77
5.3	Web Development	81
5.4	Rails	84
5.5	Middleware	88
5.6	Looking Ahead	90
5.7	Executive Summary	91
6	Bridges	92
6.1	Road Maps	92
6.2	Scenarios	94
6.3	Ruby to Java Bridges	105
6.4	JRuby	107
6.5	Service-Oriented Architectures	112
6.6	Executive Summary	118
7	Ramping Up	119
7.1	Building Your Staff	119
7.2	Building Skills Internally	123
7.3	Short-Term Augmentation	126
7.4	Preparing the Way	128
7.5	A Brief Word about Deployment	130
7.6	Executive Summary	134
8	Risk	135
8.1	Bad Risk	135
8.2	Mitigating Technical Risk	138
8.3	Mitigating Political Risk	143
8.4	What's Ahead for Ruby?	145
9	Bibliography	147