CONTENTS

1	Intro	duction	1
	1.1	Overview	1
	1.2	Installation	9
	1.3	Basic Setup	17
2	Basic	es	23
	2.1	Basic Commands	23
	2.2	Extended Logging Target	36
	2.3	VTY shell	39
	2.4	Northbound gRPC	42
	2.5	Filtering	43
	2.6	Route Maps	45
	2.7	Affinity Maps	50
	2.8	IPv6 Support	50
	2.9	Kernel Interface	53
	2.10	SNMP Support	54
	2.11	Scripting	61
	2.12	Nexthop Groups	62
3	Proto	ocols	63
	3.1	Zebra	63
	3.2	Bidirectional Forwarding Detection	88
	3.3	BGP	99
	3.4	Babel	194
	3.5	OpenFabric	197
	3.6	LDP	201
	3.7	EIGRP	206
	3.8	EVPN	209
	3.9	ISIS	218
	3.10	NHRP	228
	3.11	OSPFv2	235
	3.12	OSPFv3	259
	3.13	PATH	271
	3.14	PIM	283
	3.15	PIMv6	292
	3.16	PBR	298
	3.17	RIP	302
	3.18	RIPng	309
	3.19	SHARP	311
	3.20	STATIC	315

3.21	VNC and VNC-GW	317
3.22	VRRP	339
3.23	BMP	346
3.24	WATCHFRR	349
3.25	MGMTd (Management Daemon)	349
3.26	RIFT	357