

A	log file 2-15, 3-9
	resource profile 2-10, 3-2
About screen 1-3	starting 3-5
action	status 2-2, 3-1
activate 2-3	stopping 3-6
deactivate 2-3	upgrading 3-6
delete 2-3	App-ID page
manage 2-3	App-Config page
start 2-2, 2-3	accessing 2-14
stop 2-3	description 2-14
upgrade 2-3	fields and options 2-14
activate action 2-3	App-DataDir page
ACTIVATED status 2-2	accessing 2-14
activating, app 3-2	description 2-14
adding	fields and options 2-14
app 3-2	App-info page
internal network 3-16	accessing 2-12
app	description 2-12
activating 3-2	fields and options 2-12
adding 3-2	description 2-9
configuration file 2-14, 3-8	Logs page
console access 3-8	accessing 2-15
container	description 2-15
managing 2-14	fields and options 2-15
data directory	Resources page
deleting file from 3-11	accessing 2-10
downloading file from 3-11	description 2-10
uploading file to 3-10	fields and options 2-10
deactivating 3-5	tabs 2-9
deleting 3-7	<i>App-ID</i> tab
deploying 3-2	App-Config 2-9
host system resources for 2-10	App-DataDir 2-9
lifecycle workflows 3-1	App-info 2-9

description 2-2	Cisco IOx
displaying 2-10	framework 1-1
Logs 2-9	network
removing from menu bar 2-2, 2-10	See network, internal
Resources 2-9	overview 1-1
Applications page	Cisco IOx Local Manager
accessing 2-2	About screen 1-3
description 2-1, 2-2	Cartridges 2-4, 3-12
fields and options 2-2	exiting 1-3
Applications tab, description 2-1	logging in to 1-2
app signature validation	logging out 1-3
configuring 3-19	overview 1-1
description 3-19	pages
	App-ID 2-9
В	App-ID > App-Config 2-14
ь	App-ID > App-DataDir 2-14
browser guidelines and requirements 1-1	App-ID > App-info 2-12
	App-ID > Logs 2-15
	App-ID > Resources 2-10
C	Applications 2-2
cartridge	Middleware Service 2-8, 3-14
deleting 3-13	Setting 2-7
description 2-4, 3-12	System Info 2-5
for PAAS app 2-4, 3-12	starting 1-2
installing 3-12	tabs 2-1
viewing information about 3-13	timeout period 1-2
Cartridges page	configuration file
accessing 2-4	description 2-14, 3-8
description 2-4	package_config.ini 2-14, 3-8
fields and options 2-4	updating 3-8
Cartridges tab, description 2-1	configuring
Cisco Data in Motion	host system for Cisco IOx 1-2
description 2-8	host system log file 3-20
license, uploading 3-14	console access, of app 3-8
starting 3-15	container of app
status 2-9	managing 2-14
stopping 3-15	core dump file
	deleting 2-6, 3-23
	description 3-22

downloading 2-6, 3-23	G	
CPU, on host system 2-10, 3-2	_	
	generating, snapshot file 3-21	
D		
	H	
data directory		
deleting file from 3-11	host system	
downloading file from 3-11	CPU 2-10	
uploading file to 3-10	log file 2-6	
deactivate action 2-3	configuring 3-20	
deactivating, app 3-5	description 3-19	
delete action 2-3	downloading 3-21	
deleting	memory 2-10	
app 3-7	resources 2-10	
app data directory file 3-11		
cartridge 3-13	1	
core dump file 3-23	ı	
internal network 3-18	installing, cartridge 3-12	
snapshot file 3-22		
DEPLOYED status 2-2	.	
deploying app 3-2	L	
downloading	license, uploading for Cisco Data in Motion 3-14	
app log file 3-9	license, uploading for middleware 3-14	
core dump file 3-23	log file	
from data directory 3-11	app 2-15, 3-9	
host system log file 3-21	downloading app log file 3-9	
snapshot file 3-22	host system 2-6	
-	configuring 3-20	
	description 3-19	
E	downloading 3-21	
editing, internal network 3-17	logging in, to Cisco IOx Local Manager 1-2	
exiting, Cisco IOx Local Manager 1-3	logging out, from Cisco IOx Local Manager 1-3	
onling, clises for Boom Manager	logging out, from close for Escal Manager	
F	M	
flash storage, caveat 1-2	manage action 2-3	
	memory, on host system 2-10, 3-2	

license, uploading 3-14 starting 3-15 status 2-9 stopping 3-15 Middleware Service page accessing 2-8 description 2-8 fields and options 2-9 Middleware Service tab, description 2-1 N Middleware Service tab, description 2-1 N Middleware Service tab, description 2-1 N ACTIVATED 2-2 DEPLOYED 2-2 of app 2-2, 3-1 RUNNING 2-2 STOPPED status 2-2 stopping app 3-6 Cisco Data in Motion 3-15 middleware 3-15 STOPPED tatus 2-2 stopping app 3-6 Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 fields and options 2-5 System Info tab, description 2-1 System Setting page	middleware	S
status 2-9 stopping 3-15 deleting 2-6, 3-22 description 2-6, 3-21 downloading 2-6, 3-22 generating 3-21 description 2-8 fields and options 2-9 Middleware Service tab, description 2-1 N Interver internal adding 3-16 deleting 3-18 description 2-7, 3-16 editing 3-17 svebr_0 2-7, 3-18 viewing information on pages 2-2 PAAS app, cartridge for 2-4, 3-12 package_config.ini configuration file 2-14, 3-8 R refresh, information on pages 1-2 resource profile 2-10, 3-2 deleting 2-6, 3-22 description 2-6, 3-21 description 2-6, 3-22 generating 2-6, 3-22 description 2-2, 2-3 starting app 3-5 Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 System Info page accessing 2-5 description 2-5 System Info page accessing 2-7 description 2-7 System Setting page accessing 2-7 description 2-7 System Setting page accessing 2-7 description 2-1 System Setting page	license, uploading 3-14	3
stopping 3-15 Middleware Service page accessing 2-8 description 2-8 fields and options 2-9 Middleware Service tab, description 2-1 N ACTIVATED 2-2 deleting 3-16 deleting 3-17 svcbr_0 2-7, 3-18 viewing information about 3-17 Middleware 3-15 STOPPED status 2-2 stopping app 3-5 Cisco Data in Motion 3-15 middleware 3-15 STOPPED 2-2 status ACTIVATED 2-2 of app 2-2, 3-1 RUNNING 2-2 STOPPED 2-2 stop action 2-3 STOPPED status 2-2 stopping app 3-6 Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 fields and options 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-7 Fields and options 2-1 Strange Setting page accessing 2-7 description 2-7 fields and options 2-1 Strange Setting tab, description 2-1	starting 3-15	snapshot file
Middleware Service page accessing 2-8 description 2-8 fields and options 2-9 Middleware Service tab, description 2-1 N Middleware Service tab, description 2-1 N ACTIVATED 2-2 DEPLOYED 2-2 of app 2-2, 3-1 RUNNING 2-2 STOPPED status 2-2 stopping app 3-6 Cisco Data in Motion 3-15 middleware 3-15 STOPPED 2-2 stopping app 3-6 Cisco Data in Motion 3-15 middleware 3-15 STOPPED 3-2 stopping app 3-6 Cisco Data in Motion 3-15 middleware 3-15 STOPPED 3-2 stopping app 3-6 Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 fields and options 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-7 System Setting page accessing 2-7 fields and options 2-7 fields and options 2-7 System Setting tab, description 2-1 fields and options 2-7 System Setting tab, description 2-1	status 2-9	deleting 2-6, 3-22
accessing 2-8 description 2-8 fields and options 2-9 Middleware Service tab, description 2-1 N metwork, internal adding 3-16 deleting 3-18 description 2-7, 3-16 editing 3-17 svebr_0 2-7, 3-18 viewing information on pages 2-2 P PAAS app, cartridge for 2-4, 3-12 package_config.ini configuration file 2-14, 3-8 R refresh, information on pages 1-2 resource profile 2-10, 3-2 Middleware 3-15 Starting app 3-5 Cisco Data in Motion 3-15 middleware 3-15 Starting app 3-5 Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 fields and options 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-7 System Setting tab, description 2-1 Fields and options 2-7 Fields and	stopping 3-15	description 2-6, 3-21
description 2.8 fields and options 2.9 Middleware Service tab, description 2.1 N metwork, internal adding 3.16 deleting 3.18 description 2.7, 3.16 editing 3.17 svcbr_0 2.7, 3.18 viewing information on pages 2.2 PAAS app, cartridge for 2.4, 3.12 package_config.ini configuration file 2.14, 3.8 R refresh, information on pages 1.2 resource profile 2.10, 3.2 start action 2.2, 2.3 starting app 3.5 Cisco Data in Motion 3.15 middleware 3.15 starting Cisco IOx Local Manager 1.2 status ACTIVATED 2.2 of app 2.2, 3.1 RUNNING 2.2 stopPED 2.2 stopped 2.2 stopping app 3.6 Cisco Data in Motion 3.15 middleware 3.15 System Info page accessing 2.5 description 2.5 fields and options 2.5 System Info tab, description 2.1 System Setting page accessing 2.7 description 2.7 fields and options 2.7 System Setting tab, description 2.1	Middleware Service page	downloading 2-6, 3-22
fields and options 2-9 Middleware Service tab, description 2-1 N Middleware Service tab, description 2-1 N metwork, internal adding 3-16 deleting 3-18 description 2-7,3-16 editing 3-17 svebr_0 2-7,3-18 viewing information about 3-17 P PAAS app, cartridge for 2-4,3-12 package_config.ini configuration file 2-14,3-8 R P Refresh, information on pages 1-2 resource profile 2-10,3-2 Middleware 3-15 Starting Cisco Data in Motion 3-15 middleware 3-15 Starting Cisco IOx Local Manager 1-2 status ACTIVATED 2-2 DEPLOYED 2-2 status ACTIVATED 2-2 STOPPED 2-2 status ACTIVATED 2-2 STOPPED 2-2 stopping 2-2,3-1 RUNNING 2-2 STOPPED 3-3 STOPPED status 2-2 stopping app 3-6 Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 fields and options 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-7 Fields and options 2-7 System Setting page accessing 2-7 fields and options 2-7 System Setting page accessing 2-7 fields and options 2-7 System Setting page accessing 2-7 fields and options 2-7 System Setting page accessing 2-7 fields and options 2-7 System Setting page accessing 2-7 fields and options 2-7 System Setting page accessing 2-7 fields and options 2-7 System Setting page accessing 2-7 fields and options 2-7 System Setting page accessing 2-7 fields and options 2-7 System Setting page accessing 2-7 fields and options 2-7 System Setting page accessing 2-7 fields and options 2-7 System Setting page accessing 2-7 fields and options 2-7	accessing 2-8	generating 3-21
Middleware Service tab, description 2.1 app 3-5 Cisco Data in Motion 3-15 middleware 3-15 starting Cisco IOx Local Manager 1-2 status ACTIVATED 2-2 DEPLOYED 2-2 of app 2-2,3-1 editing 3-17 svcbr_0 2-7,3-16 editing 3-17 svcbr_0 2-7,3-18 viewing information about 3-17 O ordering information on pages 2-2 PAAS app, cartridge for 2-4,3-12 package_config.ini configuration file 2-14,3-8 Refresh, information on pages 1-2 resource profile 2-10,3-2 ACTIVATED 2-2 DEPLOYED 2-2 of app 2-2,3-1 RUNNING 2-2 STOPPED 2-2 stopping app 3-6 Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 fields and options 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-7 System Setting tab description 2-1 System Setting tab description 2-1 System Setting tab description 2-1	description 2-8	start action 2-2, 2-3
Cisco Data in Motion 3-15 middleware 3-15 starting Cisco IOx Local Manager 1-2 status ACTIVATED 2-2 DEPLOYED 2-2 of app 2-2, 3-1 editing 3-17 svebr_0 2-7, 3-18 viewing information about 3-17 Ordering information on pages 2-2 PAAS app, cartridge for 2-4, 3-12 package_config.ini configuration file 2-14, 3-8 Refresh, information on pages 1-2 resource profile 2-10, 3-2 Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 fields and options 2-7	fields and options 2-9	starting
middleware 3-15 starting Cisco IOx Local Manager 1-2 status ACTIVATED 2-2 DEPLOYED 2-2 of app 2-2, 3-1 editing 3-17 svcbr_0 2-7, 3-18 viewing information about 3-17 O ordering information on pages 2-2 PAAS app, cartridge for 2-4, 3-12 package_config.ini configuration file 2-14, 3-8 R refresh, information on pages 1-2 resource profile 2-10, 3-2 middleware 3-15 status ACTIVATED 2-2 DEPLOYED 2-2 of app 2-2, 3-1 RUNNING 2-2 STOPPED 2-2 stop action 2-3 STOPPED status 2-2 stopping app 3-6 Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-7 fields and options 2-7 fields and options 2-7 strang Setting tab, description 2-1	Middleware Service tab, description 2-1	app 3-5
network, internal adding 3-16 deleting 3-18 description 2-7, 3-16 editing 3-17 svcbr_0 2-7, 3-18 viewing information about 3-17 P PAAS app, cartridge for 2-4, 3-12 package_config.ini configuration file 2-14, 3-8 R P Refresh, information on pages 1-2 resource profile 2-10, 3-2 status ACTIVATED 2-2 DEPLOYED 2-2 of app 2-2, 3-1 RUNNING 2-2 STOPPED 2-2 stop action 2-3 STOPPED 2-2 stopping app 3-6 Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 fields and options 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-7 System Setting tab, description 2-1 Fields and options 2-7 Fields and options 2-7 Fields and options 2-7 Fields and options 2-7 System Setting tab, description 2-1 Fields and options 2-7 Fields and options 2-7 Fields and options 2-1		Cisco Data in Motion 3-15
network, internal adding 3-16 deleting 3-18 description 2-7, 3-16 editing 3-17 svcbr_0 2-7, 3-18 viewing information about 3-17 PAAS app, cartridge for 2-4, 3-12 package_config.ini configuration file 2-14, 3-8 Refresh, information on pages 1-2 resource profile 2-10, 3-2 status ACTIVATED 2-2 deap 2-2, 3-1 RUNNING 2-2 STOPPED 2-2 stopping app 3-6 Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 Fields and options 2-5 System Setting page accessing 2-7 description 2-7 fields and options 2-7 System Setting tab, description 2-1 fields and options 2-7 System Setting tab, description 2-1 fields and options 2-7 System Setting tab, description 2-1	N.I.	middleware 3-15
adding 3-16 deleting 3-18 description 2-7, 3-16 editing 3-17 svcbr_0 2-7, 3-18 viewing information about 3-17 O PAAS app, cartridge for 2-4, 3-12 package_config.ini configuration file 2-14, 3-8 REPAAS app, cartridge for 2-4, 3-12 prefersh, information on pages 1-2 resource profile 2-10, 3-2 ACTIVATED 2-2 DEPLOYED 2-2 STOPPED 2-2 STOPPED 2-2 STOPPED 3-2 STOPPED status 2-2 Stopping app 3-6 Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-7 System Setting tab description 2-1 System Setting tab description 2-1 System Setting tab description 2-1	N	starting Cisco IOx Local Manager 1-2
deleting 3-18 description 2-7, 3-16 editing 3-17 svcbr_0 2-7, 3-18 viewing information about 3-17 O ordering information on pages 2-2 P PAAS app, cartridge for 2-4, 3-12 package_config.ini configuration file 2-14, 3-8 refresh, information on pages 1-2 resource profile 2-10, 3-2 DEPLOYED 2-2 of app 2-2, 3-1 RUNNING 2-2 STOPPED 2-2 stop action 2-3 STOPPED status 2-2 stopping app 3-6 Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 fields and options 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-7 System Setting tab, description 2-1	network, internal	status
deleting 3-18 description 2-7, 3-16 editing 3-17 svcbr_0 2-7, 3-18 viewing information about 3-17 O ordering information on pages 2-2 P PAAS app, cartridge for 2-4, 3-12 package_config.ini configuration file 2-14, 3-8 refresh, information on pages 1-2 resource profile 2-10, 3-2 DEPLOYED 2-2 of app 2-2, 3-1 RUNNING 2-2 STOPPED 2-2 stop action 2-3 STOPPED status 2-2 stopping app 3-6 Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-7 System Setting tab, description 2-1	adding 3-16	ACTIVATED 2-2
description 2-7, 3-16 editing 3-17 svcbr_0 2-7, 3-18 viewing information about 3-17 STOPPED 2-2 stop action 2-3 STOPPED status 2-2 stopping app 3-6 Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 fields and options 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-7 System Setting tab, description 2-1 System Setting tab, description 2-1 fields and options 2-7 System Setting tab, description 2-1	-	DEPLOYED 2-2
editing 3-17 svcbr_0 2-7, 3-18 viewing information about 3-17 STOPPED 2-2 stop action 2-3 STOPPED status 2-2 stopping app 3-6 Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 fields and options 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-7 System Setting tab, description 2-1 System Setting tab, description 2-7 System Setting tab, description 2-1 System Setting tab, description 2-1 System Setting tab, description 2-1	description 2-7, 3-16	of app 2-2, 3-1
svcbr_0 2-7, 3-18 viewing information about 3-17 STOPPED 2-2 stop action 2-3 STOPPED status 2-2 stopping app 3-6 Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 fields and options 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-7 System Setting tab, description 2-1	_	RUNNING 2-2
viewing information about 3-17 stop action 2-3 STOPPED status 2-2 stopping app 3-6 Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 fields and options 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-7 System Setting page accessing 2-7 System Setting tab, description 2-1		STOPPED 2-2
STOPPED status 2-2 stopping app 3-6 Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 fields and options 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-7 System Setting tab, description 2-1 System Setting tab, description 2-7 System Setting tab, description 2-1 System Setting tab, description 2-7 System Setting tab, description 2-1 System Setting tab, description 2-1	viewing information about 3-17	stop action 2-3
app 3-6 Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 fields and options 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-7 System Setting tab description 2-1 System Setting tab description 2-7 System Setting tab description 2-1		STOPPED status 2-2
Cisco Data in Motion 3-15 middleware 3-15 System Info page accessing 2-5 description 2-5 fields and options 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-7 System Setting tab description 2-1		_ stopping
middleware 3-15 System Info page accessing 2-5 description 2-5 fields and options 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-1 System Setting page accessing 2-7 fields and options 2-7 System Setting tab description 2-7 System Setting tab description 2-1	0	app 3-6
middleware 3-15 System Info page accessing 2-5 description 2-5 fields and options 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-1 System Setting page accessing 2-7 fields and options 2-7 System Setting tab description 2-1 System Setting tab description 2-1 System Setting tab description 2-1	ordering information on pages 2-2	Cisco Data in Motion 3-15
PAAS app, cartridge for 2-4, 3-12 package_config.ini configuration file 2-14, 3-8 R accessing 2-5 description 2-5 Fields and options 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-7 System Setting tab description 2-1 System Setting tab description 2-1		middleware 3-15
PAAS app, cartridge for 2-4, 3-12 package_config.ini configuration file 2-14, 3-8 R accessing 2-5 description 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-7 System Setting tab description 2-1 System Setting tab description 2-1 System Setting tab description 2-1		_ System Info page
package_config.ini configuration file 2-14, 3-8 fields and options 2-5 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-5 System Setting page accessing 2-7 description 2-7 fields and options 2-7 System Setting tab description 2-1	P	accessing 2-5
package_config.ini configuration file 2-14, 3-8 System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-5 System Setting page accessing 2-7 System Setting tab description 2-1 System Setting tab description 2-1	PAAS app. cartridge for 2-4 3-12	description 2-5
System Info tab, description 2-1 System Setting page accessing 2-7 description 2-7 fields and options 2-7 System Setting tab description 2-1 System Setting tab description 2-1	package_config.ini configuration file 2-14, 3-8	fields and options 2-5
R accessing 2-7 refresh, information on pages 1-2 resource profile 2-10, 3-2 System Setting tab description 2-1		System Info tab, description 2-1
refresh, information on pages 1-2 resource profile 2-10, 3-2 System Setting tab description 2-1		_ System Setting page
resource profile 2-10, 3-2 System Setting tab. description 2-1	R	accessing 2-7
resource profile 2-10, 3-2 System Setting tab description 2-1		description 2-7
System Setting to be description 2.1		fields and options 2-7
resources, on most system Z-10, 3-Z	-	System Setting tab, description 2-1
	RUNNING status 2-2	

```
Τ
tab
    accessing 2-1
    App-ID 2-2
    App-ID > App-Config 2-9
    App-ID > App-DataDir 2-9
    App-ID > App-Info 2-9
    App-ID > Logs 2-9
    App-ID > Resources 2-9
    Applications 2-1
    Cartridges 2-1
    in Cisco IOx Local Manager 2-1
    Middleware Service 2-1
    System Info 2-1
    System Setting 2-1
timeout period 1-2
trust anchor 2-8, 3-19
U
updating, configuration file 3-8
upgrade action 2-3
upgrading, app 3-6
uploading, file to app data directory 3-10
٧
viewing cartridge information 3-13
visualization, of app data 2-3
```

Index