

# ACL Matrix

Legend							
	Doubtful						
	Correct implementation						
	To be corrected						
DDL	Data Definition Language						
CQ	Column Qualifier						
CF	Column Family						
INTERNAL	Operation triggered in a server						
READ/ WRITE	Either "READ" OR "WRITE" Permission is required to perform the operation						
READ & WRITE	Both "READ" AND "WRITE" permissions are required to perform the operation						
Interface	Operation	Scope	Type	Expected (As per my understanding)	Actual (In current implementation)	To be corrected?	
Master	AddColumn	TABLE	DDL	TABLE OWNER & TABLE CREATE/ TABLE OWNER & GLOBAL CREATE/ TABLE ADMIN/ GLOBAL ADMIN	TABLE OWNER & GLOBAL CREATE/ GLOBAL ADMIN	YES	
Master	Assign	REGION	ADMIN	GLOBAL ADMIN	GLOBAL ADMIN	NO	
Master	Balance	REGION	ADMIN	GLOBAL ADMIN	GLOBAL ADMIN	NO	
Master	BalanceSwitch	REGION	ADMIN	GLOBAL ADMIN	GLOBAL ADMIN	NO	
Master	CreateTable	TABLE	ADMIN	GLOBAL CREATE	GLOBAL CREATE	NO	
Master	DeleteColumn	TABLE	DDL	TABLE OWNER & TABLE CREATE/ TABLE OWNER & GLOBAL CREATE/ TABLE ADMIN/ GLOBAL ADMIN	TABLE OWNER & GLOBAL CREATE/ GLOBAL ADMIN	YES	
Master	DeleteTable	TABLE	DDL	TABLE OWNER & TABLE CREATE/ TABLE OWNER & GLOBAL CREATE/ TABLE ADMIN/ GLOBAL ADMIN	TABLE OWNER & GLOBAL CREATE/ GLOBAL ADMIN	YES	
Master	DisableTable	TABLE	DDL	TABLE OWNER & TABLE CREATE/ TABLE OWNER & GLOBAL CREATE/ TABLE ADMIN/ GLOBAL ADMIN	TABLE OWNER & GLOBAL CREATE/ GLOBAL ADMIN	YES	
Master	EnableTable	TABLE	DDL	TABLE OWNER & TABLE CREATE/ TABLE OWNER & GLOBAL CREATE/ TABLE ADMIN/ GLOBAL ADMIN	TABLE OWNER & GLOBAL CREATE/ GLOBAL ADMIN	YES	
Master	ModifyColumn	TABLE	DDL	TABLE OWNER & TABLE CREATE/ TABLE OWNER & GLOBAL CREATE/ TABLE ADMIN/ GLOBAL ADMIN	TABLE OWNER & GLOBAL CREATE/ GLOBAL ADMIN	YES	
Master	ModifyTable	TABLE	DDL	TABLE OWNER & TABLE CREATE/ TABLE OWNER & GLOBAL CREATE/ TABLE ADMIN/ GLOBAL ADMIN	TABLE OWNER & GLOBAL CREATE/ GLOBAL ADMIN	YES	
Master	Move	REGION	ADMIN	GLOBAL ADMIN	GLOBAL ADMIN	NO	
Master	Shutdown	SERVER	ADMIN	GLOBAL ADMIN	GLOBAL ADMIN	NO	
Master	StopMaster	SERVER	ADMIN	GLOBAL ADMIN	GLOBAL ADMIN	NO	
Master	Unassign	REGION	ADMIN	GLOBAL ADMIN	GLOBAL ADMIN	NO	
RegionServer	Append	?	?	?	Not implemented	YES	

# ACL Matrix

RegionServer	CheckAndDelete	TABLE	USER	CQ READ & CQ WRITE/ CF READ & CF WRITE/ TABLE READ & TABLE WRITE/ GLOBAL READ & GLOBAL WRITE/ TABLE OWNER	CQ READ & CQ WRITE/ CF READ & CF WRITE/ TABLE READ & TABLE WRITE/ GLOBAL READ & GLOBAL WRITE/ TABLE OWNER	NO
RegionServer	CheckAndPut	TABLE	USER	CQ READ & CQ WRITE/ CF READ & CF WRITE/ TABLE READ & TABLE WRITE/ GLOBAL READ & GLOBAL WRITE/ TABLE OWNER	CQ READ & CQ WRITE/ CF READ & CF WRITE/ TABLE READ & TABLE WRITE/ GLOBAL READ & GLOBAL WRITE/ TABLE OWNER	NO
RegionServer	Close	REGION	INTERNAL	NA	NA	NO
RegionServer	Compact	REGION	ADMIN/ INTERNAL	TABLE ADMIN/ GLOBAL ADMIN	Not implemented	YES
RegionServer	CompactSelection	REGION	INTERNAL	NA	NA	NO
RegionServer	Delete	TABLE	USER	CQ WRITE/ CF WRITE/ TABLE WRITE/ GLOBAL WRITE/ TABLE OWNER	CQ WRITE/ CF WRITE/ TABLE WRITE/ GLOBAL WRITE/ TABLE OWNER	NO
RegionServer	Exists	TABLE	USER	CQ READ/ CF READ/ TABLE READ/ GLOBAL READ/ TABLE OWNER	CQ READ/ CF READ/ TABLE READ/ GLOBAL READ/ TABLE OWNER	NO
RegionServer	Flush	REGION	ADMIN	?/ TABLE ADMIN/ GLOBAL ADMIN	Not implemented	YES
RegionServer	Get	TABLE	USER	CQ READ/ CF READ/ TABLE READ/ GLOBAL READ/ TABLE OWNER	CQ READ/ CF READ/ TABLE READ/ GLOBAL READ/ TABLE OWNER	NO
RegionServer	GetClosestRowBefore	TABLE	USER	CQ READ/ CF READ/ TABLE READ/ GLOBAL READ/ TABLE OWNER	CQ READ/ CF READ/ TABLE READ/ GLOBAL READ/ TABLE OWNER	NO
RegionServer	Increment	TABLE	USER	CQ WRITE/ CF WRITE/ TABLE WRITE/ GLOBAL WRITE/ TABLE OWNER	CQ WRITE/ CF WRITE/ TABLE WRITE/ GLOBAL WRITE/ TABLE OWNER	NO
RegionServer	IncrementColumnValue	TABLE	USER	CQ WRITE/ CF WRITE/ TABLE WRITE/ GLOBAL WRITE/ TABLE OWNER	CQ WRITE/ CF WRITE/ TABLE WRITE/ GLOBAL WRITE/ TABLE OWNER	NO
RegionServer	Open	NA	INTERNAL	NA	NA	NO
RegionServer	Put	TABLE	USER	CQ WRITE/ CF WRITE/ TABLE WRITE/ GLOBAL WRITE/ TABLE OWNER	CQ WRITE/ CF WRITE/ TABLE WRITE/ GLOBAL WRITE/ TABLE OWNER	NO
RegionServer	ScannerClose	TABLE	USER	SCANNER OWNER	SCANNER OWNER	NO
RegionServer	ScannerNext	TABLE	USER	SCANNER OWNER	SCANNER OWNER	NO

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RegionServer	ScannerOpen	TABLE	USER	CQ READ/ CF READ/ TABLE READ/ GLOBAL READ/ TABLE OWNER	CQ READ/ CF READ/ TABLE READ/ GLOBAL READ/ TABLE OWNER	NO	
RegionServer	Split	TABLE/ REGION	ADMIN/ INTERNAL	?/ TABLE ADMIN/ GLOBAL ADMIN	Not implemented	YES	
RegionServer	WALRestore	NA	INTERNAL	NA	NA	NO	