

# HMaster Interface Mapping

## Proto Messages

Proto messages and service are defined in the attached proto files.

## Java and Proto Method Mapping

### Column-Level Methods

Java	Proto
public void addColumn(final byte [] tableName, HColumnDescriptor column)	addColumn(AddColumnRequest) returns(AddColumnResponse)
public void deleteColumn(final byte [] tableName, final byte [] columnName)	deleteColumn(DeleteColumnRequest) returns(DeleteColumnResponse)
public void modifyColumn(final byte [] tableName, HColumnDescriptor descriptor)	modifyColumn(ModifyColumnRequest) returns(ModifyColumnResponse)

### Region-Level Methods

Java	Proto
public void move(final byte [] encodedRegionName, final byte [] destServerName)	moveRegion(MoveRegionRequest) returns(MoveRegionResponse)
public void assign(final byte [] regionName, final boolean force)	Deprecated (unused)
public void assign(final byte[] regionName)	assignRegion(AssignRegionRequest) returns(AssignRegionResponse)
public void unassign(final byte [] regionName, final boolean force)	unassignRegion(UnassignRegionRequest) returns(UnassignRegionResponse)

### Table-Level Methods

Java	Proto
public void createTable(HTableDescriptor desc, byte [][] splitKeys)	createTable(CreateTableRequest) returns(CreateTableResponse)
public void deleteTable(final byte [] tableName)	deleteTable(DeleteTableRequest) returns(DeleteTableResponse)
public void enableTable(final byte [] tableName)	enableTable(EnableTableRequest) returns(EnableTableResponse)
public void disableTable(final byte [] tableName)	disableTable(DisableTableRequest) returns(DisableTableResponse)
public void modifyTable(byte[] tableName, HTableDescriptor htd)	modifyTable(ModifyTableRequest) returns(ModifyTableResponse)
public Pair<Integer, Integer> getAlterStatus(byte[] tableName)	getSchemaAlterStatus(GetSchemaAlterStatusRequest) returns(GetSchemaAlterStatusResponse)

### Cluster-Level Methods

Java	Proto
public boolean isMasterRunning()	isMasterRunning(IsMasterRunningRequest) returns(IsMasterRunningResponse)
public void shutdown()	shutdown(ShutdownRequest) returns(ShutdownResponse)
public void stopMaster()	stopMaster(StopMasterRequest) returns(StopMasterResponse)

public ClusterStatus getClusterStatus()	getClusterStatus(GetClusterStatusRequest) returns(GetClusterStatusResponse)
public HTableDescriptor[] getHTableDescriptors() public HTableDescriptor[] getHTableDescriptors(List<String> tableNames)	getTableDescriptors(GetTableDescriptorsRequest) returns(GetTableDescriptorsResponse)
public boolean isLoadBalancerRunning()	isLoadBalancerRunning(IsLoadBalancerRunningRequest) returns(IsLoadBalancerRunningResponse)
public boolean balance()	balance(BalanceRequest) returns (BalanceResponse)
public boolean balanceSwitch(final boolean b) public boolean synchronousBalanceSwitch(final boolean b)	loadBalancerSwitchIs(LoadBalancerSwitchIsRequest) returns(LoadBalancerSwitchIsResponse)