**create\_job**: Creates a new job entry for a given user. Ready for the dataset upload and the submit calculation operations.

accepts:

userid : string,

desc? : string

returns:

status : {ok, error},

route : string,

message? : string,

jobid : string,

**list\_jobs**: Retrieve all jobs associated with a userid

accepts:

userid : string

returns:

status : {ok, error},

message? : string,

records : {string ...}

**get\_job\_record**: Retrieve a single job record with the provided job id

accepts:

jobid : string

returns:

status : {ok, error},

message? : string,

record : {...}

**get\_results**: Retrieve the results of a specific job. Job record must have status = complete.

accepts:

jobid : string

returns:

status : {ok, error},

message? : string,

result : { output from MLDSP }

**upload\_dataset**: Associate a dataset with a job.

accepts:

jobid : string,

fastas : {

name : contents

},

metadata : contents

returns:

status : {ok, error},

message? : string

**start\_job**: Set the variables and start the calculation for a job.

accepts:

jobid : string,

settings : {

name : string,

kvalue : int,

folds: int

}

returns:

status : {ok, error},

message? : string

**set\_value**: Set an argument for MLDSP.

accepts:

jobid : string,

key : string,

value : string

returns:

status : {ok, error},

message? : string

**delete\_job**: Remove all files associated with a job.

accepts:

jobid : string,

returns:

status : {ok, error},

message? : string

**retrieve\_results**: Remove JSON formatted result from a job run.

accepts:

jobid : string,

returns:

status : {ok, error},

message? : string,

results : {...}