

Model Validations

after: *{Date object}*

alpha: *{boolean}*

alphanumeric: *{boolean}*

alphanumericdashed: *{boolean}*

alphanumericdashed: *{boolean}*

array: *{boolean}*

| strings formatted as arrays don't pass

before: *{Date object}*

boolean: *{boolean}*

| strings fail

contains: *{string?RegExp?}*

creditcard: *{boolean}*

date: *{boolean}*

datetime: *{boolean}*

decimal: *{boolean}*

email: *{boolean}*

empty: *{boolean}*

equals: *{mixed}*

| === comparison

falsey: *{boolean}*

finite: *{boolean}*

| can be coerced to a finite number

float: *{boolean}*

hexadecimal: *{boolean}*

hexColor: *{boolean}*

in: *{array}*

int: *{boolean}*

| alias for integer

integer: *{boolean}*

Model Validations (cont)

ip: *{boolean}*

| IPv4 or IPv6

ipv4: *{boolean}*

ipv6: *{boolean}*

is: *{RegExp}*

json: *{boolean}*

len: *{?}*

| is integer > param1 && < param2.

(Where are params defined?)

lowercase: *{boolean}*

max: *{number}*

minLength: *{int}*

not: *{RegExp}*

notContains: *{string?RegExp?}*

notEmpty: *{boolean}*

notIn: *{string/array}*

notNull: *{boolean}*

notRegex: *{boolean?}*

null: *{boolean}*

number: *{boolean}*

| NaN is considered a number

numeric: *{boolean}*

| string contains only numbers

object: *{boolean}*

regex: *{boolean?}*

protected: *{boolean}*

| remove attribute when toJSON is called

on instance

required: *{boolean}*

| during creation only

string: *{boolean}*

Model Validations (cont)

text: *{boolean}*

truthy: *{boolean}*

undefined: *{boolean}*

unique: *{boolean}*

uppercase: *{boolean}*

url: *{boolean}*

urlish: *{boolean}*

| `/^s(?:[^\v]+.)+\s*$`/g

uuid: *{boolean}*

| UUID v3, v4 or v5

uuidv3: *{boolean}*

uuidv4: *{boolean}*

Define custom validation using the `types` property of the model

Websocket PupSub Methods

message(record|id,message,*[request]*)

| Message: {id,verb:'messaged',data}

publishCreate(data,*[request]*)

| Message: {id,verb:'created',data}

publishUpdate(id,*[data]*,*[request]*,*[options]*)

| Message: {id,verb:'updated',data:object,previous:object}

publishAdd(id,attributes,idAdded,*[request]*,*[options]*)

| Message: {id,verb:'addedTo',attribute,addedId}

publishDestroy(id,*[request]*,*[options]*)

| Message: {id,verb:'destroyed',previous}

publishRemove(id,attribute,removedId,*[request]*,*[options]*)

| Message: {id,verb:'removedFrom',attribute,removedId}



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Websocket PubSub Methods (cont)

subscribe(request,record(s),[context(s)])

Subscribes to record(s) changes. *Works for socket requests only.*

unsubscribe(request,record(s),[context(s)])

Unsubscribes from record(s) changes. *Works for socket requests only.*

subscribers(record|id,[context(s)]) {Array-(Socket)}

watch(request)

Subscribe to **publishCreate()**. Works for socket requests only.

unwatch(request)

Unsubscribe to **publishCreate()**. Works for socket requests only.

<http://sailsjs.org/#/documentation/reference/websockets/resourceful-pubsub>

Model Lifecycle Callbacks

beforeValidate: {fn(values, next)}

create and update

afterValidate: {fn(values, next)}

create and update

beforeCreate: {fn(values, next)}

afterCreate: {fn(newlyInsertedRecord, next)}

beforeUpdate: {fn(valuesToUpdate, next)}

afterUpdate: {fn(updatedRecord, next)}

beforeDestroy: {fn(criteria, next)}

afterDestroy: {fn(destroyedRecords, next)}

Waterline Model Methods

query(query, callback(err, results))

Only works with PostgreSQL and MySQL

native(callback(err, collection))

Only works with MongoDB. For low-level usage do `require('mongodb')` directly.

count([criteria], [callback]) {query}

find(criteria, [callback]) {query}

findOne(criteria, [callback]) {query}

findOrCreate(criteria, [callback]) {query}

create(data, [callback]) {query}

destroy(criteria, [callback]) {query}

update(criteria, data, [callback]) {query}

stream(criteria, [options]) {stream}

If a callback is **not** passed, most methods return chainable `query` object which ends with `.exec(callback)`

Waterline Record Methods

add({object|id})

Add a many2many relationship

remove({object|id})

Remove a many2many relationship

toJSON() {clonedObject}

Contains instance methods

toObject() {clonedData}

Does not contain instance methods

validate(callback(err))

save(callback)

persists any changes to the database.

Required for **add()** / **remove()**

Waterline Queries

exec(callback)

Executes a query at the end of a query chain.

limit(int) {query}

populate(foreignKey, [query]) {query}

populateAll([query]) {query}

skip(int) {query}

sort(sortString) {query}

where(criteria) {query}

then(callback) {query}

Bluebird Promise Method

catch(callback) {query}

Bluebird Promise Method

Query objects are returned by waterline methods if a callback was not passed.

Model Settings

migrate: {string}

safe: never auto-migrate db. **alter**: auto-migrate db and *attempt* to keep existing. **drop**: drop all data on every lift.

schema: {boolean}

only specified attributes are saved

connection: {string}

use specified connection config

identity: {string}

lowercase version of filename

globalId {string}

global variable name if enabled

autoPK: {boolean}

autoCreatedAt: {boolean}

autoUpdatedAt: {boolean}



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Model Settings (cont)

tableName: *{string}*

table or collection to be used

attributes: *{object}*

<http://sailsjs.org/#/documentation/concepts/ORM/model-settings.html>

Model Attributes

type: *{string}*

string

text

integer

float

date

datetime

boolean

boolean

binary

array

json

email

defaultsTo: *{mixed}*

autoIncrement: *{boolean}*

requires type: 'integer'

unique: *{boolean}*

primaryKey: *{boolean}*

requires autoPK set to false

enum: *{array[string]}*

size: *{integer}*

columnName: *{string}*

Each attribute can have an object definition or just a string specifying containing type

Query Language

Where:

Mode.find({ where: conditions })

{ property: 'value' }

{ property: { 'comparison': 'value' } }

Complex comparison options. Works for dates: { '>': new Date(' 2/4 /2014') }

{ '<' | 'lessThan': value }

{ '<=' | 'lessThanOrEqual': value }

{ '>' | 'greaterThan': value }

{ '>=' | 'greaterThanOrEqual': value }

{ '!' | 'not': value }

{ 'like|contains|startsWith|endsWith': value }

like: 'sea%rch' **contains:** '%search%' **startsWith:** 'search%' **endsWith:** '%search'

{ property: ['value1', 'value2'] }

Value in array

{ property: { '!': ['value1', 'value2'] } }

Value not in array

{ or: [{ prop1: 'val1' }, { prop2: val2 }] }

Limit:

Mode.find({ limit: integer })

Skip:

Mode.find({ skip: integer })

Sort:

Mode.find({ sort: sortString })

{ sort: 'property' | 'property ASC' }

{ sort: 'property DESC' }

{ sort: { 'property1': 1, 'property2': 0 } }

Model Associations

Has-One:

model: 'model'

Has-Many:

collection: 'model'

via: 'foreignPropertyName'

[dominant]: true

Optionally used if both sides use via property

Associations are defined in the attributes property of a model



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