# EXPRESS.JS 4 CHEAT SHE 21

powered by Azat Mardan, http://webapplog.com

#### **INSTALLATION**

Install the latest Express.js locally \$ sudo npm install express

Install Express.js v4.2.0 locally and save to *package.json* 

\$ sudo npm install express@4.2.0 -- save

Install Express.js command-line generator v4.0.0 \$ sudo npm install -g express-generator@4.0.0

#### **GENERATOR**

Usage

\$ express [options] [dir]

Print the usage information

-h

Print the express-generator version number

-V

Add ejs engine support, defaults to jade if omitted

-e

Add hogan.js engine support

-H

Add CSS support for (less|stylus|compass), defaults to plain CSS if omitted

-c <library>

Generate into a non-empty directory

-f

#### **BASICS**

Include the module

var express = require('express')

Create an instance

var app = express()

Start the Express.js server

app.listen(portNumber, callback)

Start the Express.js server

http.createServer(app).listen(portNumber, callback)

Set a property value by the key

app.set(key, value)

Get a property value by the key app.get(key)

#### **ROUTES AND MIDDLEWARE**

app.get(url, requestHandler, [requestHandler2, ...])

app.post(url, requestHandler, [reqHandler2, ...])

app.put(url, requestHandler, [requestHandler2, ...])

app.del(url, requestHandler, [requestHandler2, ...])

app.all([url,] requestHandler, [requestHandler2, ...])

app.param([name,] callback)

app.use([url,] requestHandler, [reqHandler2, ...])

#### **REQUEST**

Parameters middlware

request.params

Extract one parameter

request.param

Extract query string parameter

request.query

Return route string

request.route

Cookies, requires cookieParser

request.cookies

Signed cookies,

requires cookie-parser -c < library>

request. signed Cookies

Payload, requires body-parser

request.body

### **RESPONSE**

Redirect request

response.redirect(status, url)

Send response

response.send(status, data)

Send JSON and force proper headers

response.json(status, data)

Send a file

response.sendfile(path, options, callback)

Render a template

response.render(templateName, locals, callback)

Pass data to template response.locals

#### **REQUEST HEADER SHORTCUTS**

Value for the header key

request.get(headerKey)

Checks if the type is accepted

request.accepts(type)

Checks language

request.acceptsLanguage(language)

Checks charset

request.acceptsCharset(charset)

Checks the type

request.is(type)

IP address

request.ip

IP addresses (with trust-proxy on)

request.ips

**URL** path

request.path

Host without port number

request.host

Checks freshness

request.fresh

Checks staleness

request.stale

True for AJAX-y requests

request.xhr

Returns HTTP protocol

request.protocol

Checks if protocol is https

request.secure

Array of subdomains

request.subdomains

Original URL

request.originalUrl

#### **HANDLERS SIGNATURES**

Request handler signature

function(request, response, next) {}

Error handler signature

function(error, request, response, next) {}



## **EXPRESS.JS 4 CHEAT SHEET**

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**CONNECT MIDDLEWARE** 

#### STYLUS AND JADE

app.set('views', path.join(\_\_dirname, 'views')) app.set('view engine', 'jade')

app.use(require('stylus').middleware(path.join(\_\_dirname, 'public')))

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\$ sudo npm install <package\_name> --save

var bodyParser = require('body-parser') app.use(bodyParser.json()) app.use(bodyParser.urlencoded())

Request payload

body-parser

**STATIC** 

Gzip

compression

app.use(express.static(path.join(\_\_dirname, 'public')))

Times out the request in ms, defaulting to 5000.

connect-timeout

OTHER POPULAR MIDDLEWARE

Analogous to cookieParser

cookies and keygrip

Raw body

raw-body

Connect middleware for multiparty, connect middleware for busboy

connect-multiparty, connect-busboy

Analogous to query

Analogous to staticCache

st, connect-static

Validation

express-validator

LESS CSS

less

Authentication library

passport

Security headers

helmet

CORS

connect-cors

**Connect Redis** 

connect-redis

Cookies

cookie-parser

Session via Cookies store

cookie-session

CSRF

csurf

Error handler

errorhandler

Session via in-memory or other store

express-session

HTTP method override

method-override

Server logs

morgan

Response time middleware

response-time

Favicon

serve-favicon

Serves pages that contain directory listings

serve-index

Static content

serve-static

Virtual Host

vhost