

EXPRESS.JS 4 CHEAT SHEET

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.signedCookies

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) {}



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STYLUS AND JADE

app.set('views', path.join(__dirname, 'views'))
app.set('view engine', 'jade')

app.use(require('stylus').middleware(path.join(__dirname, 'public')))

BODY

STATIC

CONNECT MIDDLEWARE

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

app.use(express.static(path.join(__dirname, 'public')))

app.use(bodyParser.urlencoded())

Request payload

body-parser

Gzip

compression

Times out the request in ms, defaulting to 5000.

\$ sudo npm install <package_name> -- save

connect-timeout

ARE 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

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

qs

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