

```
C:\> Prompt de Comando

Microsoft Windows [versão 10.0.19045.4046]
(c) Microsoft Corporation. Todos os direitos reservados.

C:\Users\eder.quadros>node -v
v20.12.2

C:\Users\eder.quadros>npm -v
10.5.0

C:\Users\eder.quadros>
```

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

PS C:\nodesap> cd..
PS C:\> mkdir mynodejs

Diretório: C:\

Mode                LastWriteTime         Length Name
----                -
d-----          28/10/2024   13:46             mynodejs
```

Exemplo: OAuth2

<https://github.com/developedbysom/OAuth2-NodeJS-XSUA>

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

```
PS C:\> cd .\mynodejs\
```

```
PS C:\mynodejs> npm init
```

This utility will walk you through creating a package.json file.

It only covers the most common items, and tries to guess sensible defaults.

See `npm help init` for definitive documentation on these fields
and exactly what they do.

Use `npm install <pkg>` afterwards to install a package and
save it as a dependency in the package.json file.

Press ^C at any time to quit.

package name: (mynodejs)

version: (1.0.0)

entry point: (index.js) server.js

test command:

git repository:

keywords:

author: EderQuadros-Genexus

license: (ISC)

About to write to C:\mynodejs\package.json:

```
{  
  "name": "mynodejs",  
  "version": "1.0.0",
```

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS

About to write to C:\mynodejs\package.json:

{
  "name": "mynodejs",
  "version": "1.0.0",
  "main": "server.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "EderQuadros-Genexus",
  "license": "ISC",
  "description": ""
}

Is this OK? (yes) yes

PS C:\mynodejs> npm i express axios

added 72 packages, and audited 73 packages in 2s

14 packages are looking for funding
  run `npm fund` for details

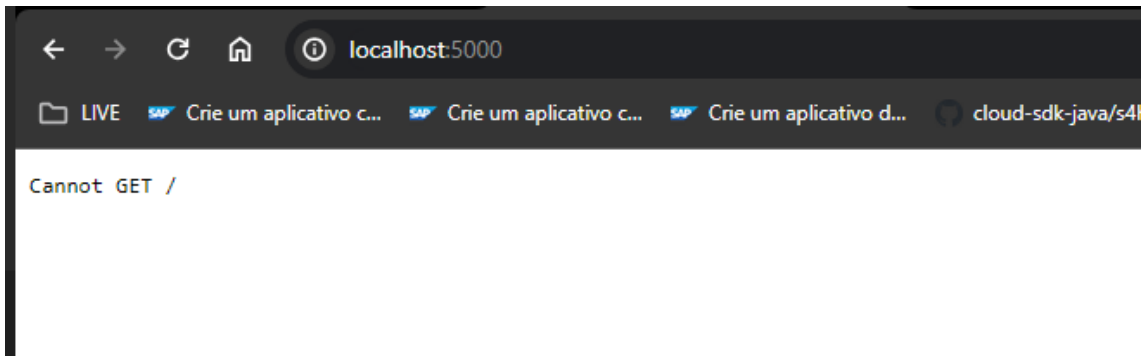
found 0 vulnerabilities
```

Testando

```
EXPLORER
└─ UNTITLED (WORKSPACE)
   └─ > nodesap
      └─ mynodejs
         ├── node_modules
         ├── package-lock.json
         ├── package.json
         └─ JS server.js

package.json  JS server.js
mynodejs > JS server.js > app.listen() callback
1  const express = require("express");
2  const axios   = require("axios");
3
4  const app = express();
5  const PORT = process.env.PORT || 5000;
6
7  app.listen(PORT, () => {
8    console.log(`Listando a porta ${PORT}`)
9  })
10
11
12

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS
PS C:\mynodejs> node server.js
Listando a porta 5000
[]
```



Está em branco pois o endpoint não executa

para instalar e conectar ao banco de dados use:

```
npm install --save sequelize
```

```
npm install --save sequelize
```

Você também terá que instalar manualmente o driver para o banco de dados de sua escolha:

```
# One of the following:
$ npm install --save pg pg-hstore # Postgres
$ npm install --save mysql2
$ npm install --save mariadb
$ npm install --save sqlite3
$ npm install --save tedious # Microsoft SQL Server
$ npm install --save oracledb # Oracle Database
```

Conectando a um

Para conectar-se ao banco de dados, você deve criar uma instância do Sequelize. Isso pode ser feito passando os parâmetros de conexão separadamente para o construtor do Sequelize ou passando um único URI de conexão:

```
const { Sequelize } = require('sequelize');

// Option 1: Passing a connection URI
const sequelize = new Sequelize('sqlite::memory:') // Example for sqlite
const sequelize = new Sequelize('postgres://user:pass@example.com:5432/dbname') // Example for postgres

// Option 2: Passing parameters separately (sqlite)
const sequelize = new Sequelize({
  dialect: 'sqlite',
  storage: 'path/to/database.sqlite'
});

// Option 3: Passing parameters separately (other dialects)
const sequelize = new Sequelize('database', 'username', 'password', {
  host: 'localhost',
  dialect: /* one of 'mysql' | 'postgres' | 'sqlite' | 'mariadb' | 'mssql' | 'db2' | 'snowflake' | 'oracle' */
});
```

Testando a

Você pode usar a `.authenticate()` função para testar se a conexão está OK:

```
try {
  await sequelize.authenticate();
  console.log('Connection has been established successfully.');
```

```
} catch (error) {
  console.error('Unable to connect to the database:', error);
}
```

Fechando a

O Sequelize manterá a conexão aberta por padrão e usará a mesma conexão para todas as consultas. Se você precisar fechar a conexão, chame `sequelize.close()` (que é assíncrono e retorna uma Promise).

Link útil:

<https://sequelize.org/docs/v6/getting-started/>




























Destination apontada para lcloud conector

Select Subsystem Unidesul - Dev

Cloud To On-Premise

ACCESS CONTROL COOKIE DOMAINS PRINCIPAL PROPAGATION

Mapping Virtual To Internal System (9)

Status	Virtual Host	Internal Host	Check Result	Protocol	Back-end Type	Actions
<input checked="" type="checkbox"/>	bencomunidesuldev-2715	10.203.95.2.1433	<input checked="" type="checkbox"/> Reachable	TCP	Non-SAP System	  
<input checked="" type="checkbox"/>	bencomunidesulcap-2715	10.203.96.2.1433	<input checked="" type="checkbox"/> Reachable	TCP	Non-SAP System	  
<input checked="" type="checkbox"/>	ds4-44300	vhutds4cl.sap.unidesul.com.br:44300	<input checked="" type="checkbox"/> Reachable	HTTP	ABAP System	  
<input checked="" type="checkbox"/>	88888-1234	vhutds4cl.sap.unidesul.com.br:44300	<input checked="" type="checkbox"/> Reachable	HTTPS	ABAP System	  
<input checked="" type="checkbox"/>	test-44300	vhutds4cl.sap.unidesul.com.br:44300	<input checked="" type="checkbox"/> Reachable	HTTPS	ABAP System	  
<input checked="" type="checkbox"/>	vhutds4cl801.sap.unidesul.com.br:30513	vhutds4cl801.sap.unidesul.com.br:30513	<input checked="" type="checkbox"/> Reachable	TCP	SAP HANA	  
<input checked="" type="checkbox"/>	vhutds4cl801.sap.unidesul.com.br:30513	vhutds4cl801.sap.unidesul.com.br:30513	<input checked="" type="checkbox"/> Reachable	TCP	SAP HANA	  
<input checked="" type="checkbox"/>	vhutds4cl801.sap.unidesul.com.br:30542	vhutds4cl801.sap.unidesul.com.br:30542	<input checked="" type="checkbox"/> Reachable	TCP	ABAP System	  
<input checked="" type="checkbox"/>	vhutds4cl.sap.unidesul.com.br:44300	vhutds4cl.sap.unidesul.com.br:44300	<input checked="" type="checkbox"/> Reachable	HTTPS	ABAP System	  

Como fazer o parse em node.js com Javascript nativo.

```
var jsontext = '{
  "version": "1.2.02",
  "client": "100",
  "dateFormat": "1",
  "tiscal": [],
  "email": "",
  "firstName": "",
  "fullName": "teste",
  "id": "TESTE_GEN",
  "language": "PT"
}';
var obj = JSON.parse(jsontext);

console.log("Mandante: "+obj.client);
console.log("Nome: "+obj.fullName);
console.log("Nome: "+obj.id);
```

básico de modulo

```
var soma = require('./calc')
```

```
console.log(soma(2,3)) ;
```

```
/*function soma(a,b){  
    return a + b  
}  
  
function sub(a,b){  
    return a - b  
}  
  
function multi(a,b){  
    return a * b  
}  
  
function div(a,b){  
    return a / b  
}  
console.log(soma(2,66)) */  
var soma = function(a,b){  
    return a+b;  
}  
module.exports = soma;
```

Para funcionar o token tem que passar o fetch no Get

Depois fazer um post

CSRF token validation failed ou igual o print

POST

▼

https://mynodejs--random-route-lean-badger-to.cfapps.br10.hana.ondemand.com/authorization

Params

Authorization

Headers (11)

Body

Scripts

Settings

Headers

↔ 7 hidden

	Key	Value	Description
<input checked="" type="checkbox"/>	x-csrf-token	txS485y6ZeDRsmrAoZOzA==	
<input checked="" type="checkbox"/>	sap-client	120	
<input checked="" type="checkbox"/>	Cookie	path=/,SAP_SESSIONID_DS4_100=3VwtRWmn3dun6VPPqBo2uP7INn-gVhHvl...	
<input type="checkbox"/>	x-vcap-request-id	e1692558-12e3-46d2-7056-6227ec36ca58	
	Key	Value	Description

Body	Cookies	Headers (6)	Test Results	502 Bad Gateway
<div> Pretty Raw Preview Visualize Text </div> <pre> 1 502 Bad Gateway: Registered endpoint failed to handle the request. 2 </pre>				

Se der essa msg o token não está indo com o cookie correto.

Como subir para o git usando o VSCode

<https://www.youtube.com/watch?v=kbWbRx3-9IY>

tem que configurar na Destination os parâmetros corretos

<https://community.sap.com/t5/technology-blogs-by-sap/my-first-steps-with-btp-destinations-s-4hana-in-appgyver/ba-p/13538763>

link útil

<https://www.npmjs.com/package/sap-cf-axios>

https://medium.com/@nunofilipe_16451/criar-uma-app-rest-api-com-crud-node-js-mongodb-ejs-7802098cbe9e

<https://www.youtube.com/watch?v=7cNP3AE49Bg>

sobre token

<https://community.sap.com/t5/technology-blogs-by-members/csrf-token-validation-failed-in-post-method-in-gateway-client/ba-p/13519500>

Genexus Cross

<https://wiki.genexus.com/commwiki/wiki?41123,Managing+Cross-Site+Request+Forgery+%28CSRF%29+with+GeneXus>