Dell@DESKTOP-HOGQ43R MINGW64 ~ (master)

$ cd Downloads/

Dell@DESKTOP-HOGQ43R MINGW64 ~/Downloads (master)

$ cd cherry.pem

bash: cd: cherry.pem: Not a directory

Dell@DESKTOP-HOGQ43R MINGW64 ~/Downloads (master)

$ "C:\Users\Dell\Downloads\cherry.pem"

C:\Users\Dell\Downloads\cherry.pem: line 1: -----BEGIN: command not found

C:\Users\Dell\Downloads\cherry.pem: line 2:
MIIEpgIBAAKCAQEA6KGn1jMACijyGVwV0XXCHM5H4i24oo+W4187GibnLU6ryslk: command not found

C:\Users\Dell\Downloads\cherry.pem: line 3:
nTvR87r9YOXOYyesiKFP0t+DONmrcgiIvD9jc5N0cdciWajtULRfkBr3EhThOeyf: command not found

C:\Users\Dell\Downloads\cherry.pem: line 4:
8S8ICm0+ioTWvD6XrrcsrebVsKGlGBjbBh5NRK/lKaBv8M1rzmEUfu7MQ4Jwn8qd: No such file or directory

C:\Users\Dell\Downloads\cherry.pem: line 5:
IopPjgOm29mElfC81GG/GjiY9wqilL+J/GVr1eJwHJs52lA3eeWdsIryapLCGYLx: No such file or directory

C:\Users\Dell\Downloads\cherry.pem: line 6:
iTkAjGg8bMrbh0jMigqYhnXiBZ5TlDnLH3TFcGgNBDT1HrNfVwuB64PQ5RHcPS1m: command not found

C:\Users\Dell\Downloads\cherry.pem: line 7:
j0DuCjJHIQRakvigheWKqwIOTFjNl+79ZWIXVQIDAQABAoIBAQC/a522lNq4gX7N: No such file or directory

C:\Users\Dell\Downloads\cherry.pem: line 8:
PUe6xoJGv7rIs0SVhz/qsoboexCI6I5V3CgNdZbKTpiGLjMIxjGjb9FGPKM2mW4I: No such file or directory

C:\Users\Dell\Downloads\cherry.pem: line 9:
9FrHRAWqqbAMqLDcRDOa0AE+i+G4IDRAPKRTipa8Na5bvvkPhxW7L4D1S9eUcz5t: command not found

C:\Users\Dell\Downloads\cherry.pem: line 10:
OK6pNy/vkCkqepkB9ZZ7CMkbtZWhCdfRIDtab/HyQSKW6LY2OQY7e+z953EveOEv: No such file or
directory

C:\Users\Dell\Downloads\cherry.pem: line 11:
g6H0AT1j2bx0dcCquDfRA9wMhmXN+jf0zg+JdHF93iP02vm9srPkNGvSjoD5GAfK: command not found

C:\Users\Dell\Downloads\cherry.pem: line 12: cTNZ5kkJyPwbUss5MqgUZ6nGilAB9uiUQ//CGWazbRELK+QtqVrKFKN9gDhE2SEP: No such file or directory

C:\Users\Dell\Downloads\cherry.pem: line 13: GWgBgezhAoGBAPWPmwfkFglV7F01sbFhsvwHZsTr7tJDou/0vht6ZwsQJlANCbdd: No such file or directory

C:\Users\Dell\Downloads\cherry.pem: line 14: hbmpzkS0tZJjm1Elm8GKbOIGIgNhGVjPf90Pd1SIlv6BuqzS0EFLVDp9bQ6g3JMM: command not found

C:\Users\Dell\Downloads\cherry.pem: line 15: 7tdaITIwF1unNN03K7jHg2mhPRk1ScPahwsuZCkkK9p9Rz0bbxBVO3B5AoGBAPKF: command not found

C:\Users\Dell\Downloads\cherry.pem: line 16: VzvVMuPOCMkuZceUHlMkyHcaZAqx23CZhGAENRFya/CFl1zDqW84D2ydu7Nu2Tib: No such file or directory

C:\Users\Dell\Downloads\cherry.pem: line 17: ziPNWd1pN/yoN47boiJXHgPxcOinTZR8eCV5JRJlDL+jf7JKqu7mu6fQjr59LmcS: No such file or directory

C:\Users\Dell\Downloads\cherry.pem: line 18: IzZvq5aRlcOWjQiKXEkU1soEB7iYlp0KnjBMKP69AoGBALfweR2BEayuix4K8W7A: command not found

C:\Users\Dell\Downloads\cherry.pem: line 19: kzTMSoPpgvxHo86AksK8fmFAGKLQEV4kFN5NPvAiOPxN1nMDa9ee3A62r1W+ryDi: command not found

C:\Users\Dell\Downloads\cherry.pem: line 20: VZH+WtGcexZrkKySQWMXjSE/AKj7gB46itIPdlxEv8psxmGKSRrhgCNonv659uZZ: No such file or directory

C:\Users\Dell\Downloads\cherry.pem: line 21: U9zhRC+5I4xHWUyBt0ERxzNpAoGBAOYK71009Um7BQB4P1kZuc4aJQE9CkpOvR1I: command not found

C:\Users\Dell\Downloads\cherry.pem: line 22: sZU2SHRdOd/ziEkY295AqfjYgdRJQEj/GYFCZ4yrIs1JbzHWSiwSwMjyu6wkDmXb: No such file or directory

C:\Users\Dell\Downloads\cherry.pem: line 23: z0eUa0LQkVAysY0YYJ2uRbCAFva/3UUtojMfp/5x6EKXyv2f6Lv1xWvoeL50FuGt: No such file or directory

C:\Users\Dell\Downloads\cherry.pem: line 24: 0bF0fKptAoGBAMEvzYOl/yJBVjv1UvRpoBQ/D33JnIpiAxyAakvgl/tR1sQJB5pR: No such file or directory

C:\Users\Dell\Downloads\cherry.pem: line 25: zcIdNxF1XtIvoITJCF8Os+eIgvKWJtBwvcBURd8tqHlp/wfZeC1PtsSRjRf/Dral: No such file or directory

C:\Users\Dell\Downloads\cherry.pem: line 26: 374h9H63httaAESv9LmWYF7b9qJgywPKNOyZQbPV1bBzJEZL3cL5Ggg9: command not found

C:\Users\Dell\Downloads\cherry.pem: line 27: -----END: command not found

Dell@DESKTOP-HOGQ43R MINGW64 ~/Downloads (master)

$ cd..

bash: cd..: command not found

Dell@DESKTOP-HOGQ43R MINGW64 ~/Downloads (master)

$ chmod 400 /c/Users/Dell/Downloads/cherry.pem

Dell@DESKTOP-HOGQ43R MINGW64 ~/Downloads (master)

$ ssh -i /c/Users/Dell/Downloads/cherry.pem ec2-user@107.20.93.46

The authenticity of host '107.20.93.46 (107.20.93.46)' can't be established.

ED25519 key fingerprint is SHA256:IiAGezdPjicgkopKMPu9ajh+XlLfpyvyiLMiCPXvL40.

This key is not known by any other names.

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

Warning: Permanently added '107.20.93.46' (ED25519) to the list of known hosts.

```
   ,     #_
  ~\_  ####_        Amazon Linux 2023
 ~~  \_#####\
 ~~     \###|
 ~~       \#/ ___   https://aws.amazon.com/linux/amazon-linux-2023
  ~~       V~' '->
   ~~~         /
     ~~._.   _/
        _/ _/
       _/m/'
```

[ec2-user@ip-172-31-38-19 ~]$ sudo yum update -y

curl -sL https://rpm.nodesource.com/setup_16.x | sudo bash -

sudo yum install -y nodejs git

node -v

npm -v

git --version

Amazon Linux 2023 Kernel Livepatch repository   140 kB/s | 19 kB
00:00

Dependencies resolved.

Nothing to do.

Complete!

==
==

DEPRECATION WARNING

 Node.js 16.x is no longer actively supported!

You will not receive security or critical stability updates for this version.

You should migrate to a supported version of Node.js as soon as possible.

Use the installation script that corresponds to the version of Node.js you

wish to install. e.g.

 * https://rpm.nodesource.com/setup_16.x — Node.js 16 "Gallium" **(deprecated)**

 * https://rpm.nodesource.com/setup_18.x — Node.js 18 "Hydrogen" (Maintenance)

 * https://rpm.nodesource.com/setup_19.x — Node.js 19 "Nineteen" **(deprecated)**

 * **https://rpm.nodesource.com/setup_20.x — Node.js 20 LTS "Iron" (recommended)**

 * https://rpm.nodesource.com/setup_21.x — Node.js 21 "Iron" (current)

 Please see **https://github.com/nodejs/Release** for details about which

version may be appropriate for you.

The **NodeSource** Node.js distributions repository contains

information both about supported versions of Node.js and supported Linux

distributions. To learn more about usage, see the repository:

https://github.com/nodesource/distributions

==
==

Continuing in 10 seconds ...

2025-08-04 06:33:39 - Cleaning up old repositories...

2025-08-04 06:33:39 - Old repositories removed

2025-08-04 06:33:39 - Supported architecture: x86_64

2025-08-04 06:33:39 - dnf available, updating...

Node.js Packages for Linux RPM based distros - x86_64   10 MB/s | 732 kB   00:00

Metadata cache created.

2025-08-04 06:33:40 - Repository is configured and updated. Run 'dnf install nodejs -y' to complete the installation.

Dependencies resolved.

==
==
Package	Architecture	Version	Repository	Size
==
==

Installing:

| **git** | x86_64 | 2.50.1-1.amzn2023.0.1 | amazonlinux | 53 k |

| **nodejs** | x86_64 | 2:16.20.2-1nodesource | nodesource-nodejs |
| 32 M | | | |

Installing dependencies:

| **git-core** | x86_64 | 2.50.1-1.amzn2023.0.1 | amazonlinux |
| 4.9 M | | | |

| **git-core-doc** | noarch | 2.50.1-1.amzn2023.0.1 | amazonlinux |
| 2.8 M | | | |

| **perl-Error** | noarch | 1:0.17029-5.amzn2023.0.2 | amazonlinux |
| 41 k | | | |

| **perl-File-Find** | noarch | 1.37-477.amzn2023.0.7 | amazonlinux |
| 25 k | | | |

| **perl-Git** | noarch | 2.50.1-1.amzn2023.0.1 | amazonlinux |
| 41 k | | | |

| **perl-TermReadKey** | x86_64 | 2.38-9.amzn2023.0.2 | amazonlinux |
| 36 k | | | |

| **perl-lib** | x86_64 | 0.65-477.amzn2023.0.7 | amazonlinux |
| 15 k | | | |

Transaction Summary

==
==

Install 9 Packages

Total download size: 40 M

Installed size: 131 M

Downloading Packages:

(1/9): git-2.50.1-1.amzn2023.0.1.x86_64.rpm   1.5 MB/s | 53 kB
00:00

(2/9): git-core-doc-2.50.1-1.amzn2023.0.1.noarch.rpm   38 MB/s | 2.8
MB   00:00

(3/9): perl-Error-0.17029-5.amzn2023.0.2.noarch.rpm   1.7 MB/s | 41
kB   00:00

(4/9): perl-File-Find-1.37-477.amzn2023.0.7.noarch.rpm   1.1 MB/s | 25 kB   00:00

(5/9): perl-Git-2.50.1-1.amzn2023.0.1.noarch.rpm   830 kB/s | 41 kB 00:00

(6/9): git-core-2.50.1-1.amzn2023.0.1.x86_64.rpm   21 MB/s | 4.9 MB 00:00

(7/9): perl-TermReadKey-2.38-9.amzn2023.0.2.x86_64.rpm   1.2 MB/s | 36 kB   00:00

(8/9): perl-lib-0.65-477.amzn2023.0.7.x86_64.rpm   732 kB/s | 15 kB 00:00

(9/9): nodejs-16.20.2-1nodesource.x86_64.rpm   91 MB/s | 32 MB 00:00

Total   105 MB/s | 40 MB   00:00

Node.js Packages for Linux RPM based distros - x86_64   65 kB/s | 1.7 kB 00:00

Importing GPG key 0x9B1BE0B4:

 Userid   : "NSolid <nsolid-gpg@nodesource.com>"

 Fingerprint: 6F71 F525 2828 41EE DAF8 51B4 2F59 B5F9 9B1B E0B4

 From   : https://rpm.nodesource.com/gpgkey/NODESOURCE-GPG-SIGNING-KEY-EL

Key imported successfully

Running transaction check

Transaction check succeeded.

Running transaction test

Transaction test succeeded.

Running transaction

 Preparing   :   1/1

 Installing   : git-core-2.50.1-1.amzn2023.0.1.x86_64   1/9

 Installing   : git-core-doc-2.50.1-1.amzn2023.0.1.noarch

 Installing   : perl-lib-0.65-477.amzn2023.0.7.x86_64

 Installing   : perl-TermReadKey-2.38-9.amzn2023.0.2.x86_64

Installing   : perl-File-Find-1.37-477.amzn2023.0.7.noarch

Installing   : perl-Error-1:0.17029-5.amzn2023.0.2.noarch

Installing   : perl-Git-2.50.1-1.amzn2023.0.1.noarch

Installing   : git-2.50.1-1.amzn2023.0.1.x86_64

Running scriptlet: nodejs-2:16.20.2-1nodesource.x86_64

Installing   : nodejs-2:16.20.2-1nodesource.x86_64

Running scriptlet: nodejs-2:16.20.2-1nodesource.x86_64

Verifying   : nodejs-2:16.20.2-1nodesource.x86_64
1/9

Verifying   : git-2.50.1-1.amzn2023.0.1.x86_64
2/9

Verifying   : git-core-2.50.1-1.amzn2023.0.1.x86_64
3/9

Verifying   : git-core-doc-2.50.1-1.amzn2023.0.1.noarch
4/9

Verifying   : perl-Error-1:0.17029-5.amzn2023.0.2.noarch
5/9

Verifying   : perl-File-Find-1.37-477.amzn2023.0.7.noarch
6/9

Verifying   : perl-Git-2.50.1-1.amzn2023.0.1.noarch
7/9

Verifying   : perl-TermReadKey-2.38-9.amzn2023.0.2.x86_64
8/9

Verifying   : perl-lib-0.65-477.amzn2023.0.7.x86_64
9/9

Installed:

 git-2.50.1-1.amzn2023.0.1.x86_64   git-core-2.50.1-1.amzn2023.0.1.x86_64   git-core-doc-
2.50.1-1.amzn2023.0.1.noarch   nodejs-4   perl-Error-1:0.17029-5.amzn2023.0.2.noarch   perl-File-
Find-1.37-477.amzn2023.0.7.noarch   perl-Git-2.50.1-1.amzn2023.0.1.noarch -9.amzn2023.0.2.x86_64

 perl-lib-0.65-477.amzn2023.0.7.x86_64

Complete!

v16.20.2

8.19.4

git version 2.50.1

[ec2-user@ip-172-31-38-19 ~]$ git clone https://github.com/heroku/node-js-sample.git

Cloning into 'node-js-sample'...

remote: Enumerating objects: 417, done.

remote: Total 417 (delta 0), reused 0 (delta 0), pack-reused 417 (from 1)

Receiving objects: 100% (417/417), 218.64 KiB | 24.29 MiB/s, done.

Resolving deltas: 100% (64/64), done.

[ec2-user@ip-172-31-38-19 ~]$ cd node-js-sample

[ec2-user@ip-172-31-38-19 node-js-sample]$ ls

Procfile README.md app.json index.js package.json **public**

[ec2-user@ip-172-31-38-19 node-js-sample]$ npm install

npm WARN EBADENGINE Unsupported engine {

npm WARN EBADENGINE   package: 'node-js-sample@0.2.0',

npm WARN EBADENGINE   required: { node: '4.0.0' },

npm WARN EBADENGINE   current: { node: 'v16.20.2', npm: '8.19.4' }

npm WARN EBADENGINE }

added 69 packages, and audited 70 packages in 2s

14 packages are looking for funding

  run `npm fund` for details

found **0** vulnerabilities

npm notice

npm notice New major version of npm available! 8.19.4 -> 11.5.2

npm notice Changelog: https://github.com/npm/cli/releases/tag/v11.5.2

npm notice Run npm install -g npm@11.5.2 to update!

npm notice

[ec2-user@ip-172-31-38-19 node-js-sample]$ node index.js

Node app is running at localhost:5000

^C

[ec2-user@ip-172-31-38-19 node-js-sample]$ nano index.js

[ec2-user@ip-172-31-38-19 node-js-sample]$ node index.js

/home/ec2-user/node-js-sample/index.js:4

app.set('port', var port = process.env.PORT || 3000);

        ^^^

SyntaxError: Unexpected token 'var'

   at Object.compileFunction (node:vm:360:18)

   at wrapSafe (node:internal/modules/cjs/loader:1126:15)

   at Module._compile (node:internal/modules/cjs/loader:1162:27)

   at Object.Module._extensions..js (node:internal/modules/cjs/loader:1252:10)

   at Module.load (node:internal/modules/cjs/loader:1076:32)

   at Function.Module._load (node:internal/modules/cjs/loader:911:12)

   at Function.executeUserEntryPoint [as runMain] (node:internal/modules/run_main:81:12)

   at node:internal/main/run_main_module:22:47

[ec2-user@ip-172-31-38-19 node-js-sample]$ node index.js

/home/ec2-user/node-js-sample/index.js:4

app.set('port', var port = process.env.PORT || 3000);

        ^^^

SyntaxError: Unexpected token 'var'

at Object.compileFunction (node:vm:360:18)

at wrapSafe (node:internal/modules/cjs/loader:1126:15)

at Module._compile (node:internal/modules/cjs/loader:1162:27)

at Object.Module._extensions..js (node:internal/modules/cjs/loader:1252:10)

at Module.load (node:internal/modules/cjs/loader:1076:32)

at Function.Module._load (node:internal/modules/cjs/loader:911:12)

at Function.executeUserEntryPoint [as runMain] (node:internal/modules/run_main:81:12)

at node:internal/main/run_main_module:22:47

[ec2-user@ip-172-31-38-19 node-js-sample]$ nano index.js

[ec2-user@ip-172-31-38-19 node-js-sample]$ node index.js

Node app is running at localhost:3000

^C

[ec2-user@ip-172-31-38-19 node-js-sample]$ ssh -i /c/Users/Dell/Downloads/cherry.pem ec2-user@107.20.93.46

Warning: Identity file /c/Users/Dell/Downloads/cherry.pem not accessible: No such file or directory.

The authenticity of host '107.20.93.46 (107.20.93.46)' can't be established.

ED25519 key fingerprint is SHA256:IiAGezdPjicgkopKMPu9ajh+XlLfpyvyiLMiCPXvL40.

This key is not known by any other names

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

Warning: Permanently added '107.20.93.46' (ED25519) to the list of known hosts.

ec2-user@107.20.93.46: Permission denied (publickey,gssapi-keyex,gssapi-with-mic).

[ec2-user@ip-172-31-38-19 node-js-sample]$ cd node-js-sample

node index.js

-bash: cd: node-js-sample: No such file or directory

Node app is running at localhost:3000

^C

[ec2-user@ip-172-31-38-19 node-js-sample]$

[ec2-user@ip-172-31-38-19 node-js-sample]$ nano index.js

[ec2-user@ip-172-31-38-19 node-js-sample]$ node index.js

Node app is running at 0.0.0.0:3000

^C

[ec2-user@ip-172-31-38-19 node-js-sample]$

[ec2-user@ip-172-31-38-19 node-js-sample]$ nano index.js

[ec2-user@ip-172-31-38-19 node-js-sample]$ node index.js

Node app is running at 0.0.0.0:3000

^C

[ec2-user@ip-172-31-38-19 node-js-sample]$ nano index.js

[ec2-user@ip-172-31-38-19 node-js-sample]$ node index.js

Node app is running at 0.0.0.0:3000

^C

[ec2-user@ip-172-31-38-19 node-js-sample]$ nano index.js

[ec2-user@ip-172-31-38-19 node-js-sample]$ node index.js

Node app is running at 0.0.0.0:3000

^C

```
[ec2-user@ip-172-31-38-19 node-js-sample]$ nano index.js

[ec2-user@ip-172-31-38-19 node-js-sample]$
```