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FATAL ERROR: Ineffective mark-compacts near heap limit Allocation failed - JavaScript heap out of memory in ionic 3

Asked 1 year ago Active 1 month ago Viewed 36k times

When I run ionic 3 project using "ionic serve" command than getting this error:

21



5

```
[app-scripts] [22:57:19] build started ...
[app-scripts] [22:57:19] transpile update started ...
[app-scripts] [22:57:19] transpile update finished in 233 ms
[app-scripts] [22:57:19] deeplinks update started ...
[app-scripts] [22:57:22] deeplinks update finished in 2.94 s
[app-scripts] [22:57:22] webpack update started ...
[app-scripts] FATAL ERROR: Ineffective mark-compacts near heap limit Allocation failed - JavaScript
[app-scripts] 1: 00007FF76D9AECE5
[app-scripts] 2: 00007FF76D988196
[app-scripts] 3: 00007FF76D988BA0
[app-scripts] 4: 00007FF76DC18D5E
[app-scripts] 5: 00007FF76DC18C8F
[app-scripts] 6: 00007FF76E1569D4
[app-scripts] 7: 00007FF76E14D137
[app-scripts] 8: 00007FF76E14B6AC
[app-scripts] 9: 00007FF76E154627
[app-scripts] 10: 00007FF76E1546A6
[app-scripts] 11: 00007FF76DCF73EB
[app-scripts] 12: 00007FF76DCF9EED
[app-scripts] 13: 00007FF76DDDA87B
[app-scripts] 14: 00007FF76E11E87D
[app-scripts] 15: 00007FF76E11A92E
[app-scripts] 16: 00007FF76E119A8C
[app-scripts] 17: 00007FF76E11D9AB
[app-scripts] 18: 00007FF76E11AC3D
[app-scripts] 19: 00007FF76E117C5C
```

javascript

ionic-framework

ionic3

edited May 6 at 14:35



Félix Gagnon-Grenier

6,302 8 40 49

asked Nov 9 '18 at 17:41



Himanshu Shekhar

253 1 3 6

6 Answers



same issue on centos server 7, but this solved my problem:

25

```
node --max-old-space-size=X node_modules/@angular/cli/bin/ng build --prod
```



Where $X = (2048 \text{ or } 4096 \text{ or } 8192 \text{ o..})$ is the value of memory

edited Sep 11 at 13:54



Community ♦

1 1

answered Apr 6 at 9:55



Hakim CHRIFI ALAOU

251 1 3 4

after changing the value of x .. error remains the same – Sohail Ahmad Sep 13 at 14:05

If the error continues, keep increasing the size until there is enough memory to process which will eventually prevent the error. The only time I found I couldn't get past this error was with `ng serve` and a *massive* .js file referenced in the `scripts` section of `angular.json` that needed to be loaded into memory. – atconway Nov 5 at 22:04



Try this solution which was pointed out in an old message on the forum: <https://forum.ionicframework.com/t/3-7-0-ios-build-with-prod-not-working/107061/24>

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Open `node_modules/@ionic/app-scripts/bin/ionic-app-scripts.js`



Change the first line from:

```
#!/usr/bin/env node
```

to

```
#!/usr/bin/env node --max-old-space-size=4096
```

Try values 1024 and 2048, but for a relatively large app you may need 4096.

answered Nov 16 '18 at 18:12



[runnerpaul](#)

1,662 1 11 37



3



```
node --max_old_space_size=4096 node_modules/@angular/cli/bin/ng build --  
baseHref=/baseUrl/ --prod=true
```

edited Jun 16 at 12:41



[double-beep](#)

3,259 7 20 33

answered Jun 16 at 12:38



[lockman](#)

79 4

5 While this code may answer the question, providing additional context regarding why and/or how this code answers the question improves its long-term value. – [Eric Leschinski](#) Jun 17 at 1:07



2



For me it was a problem with firebase package.

Only add "@firebase/database": "0.2.1", for your package.json, reinstall node_modules and works.

answered Apr 15 at 7:24



[Pol Fernández](#)

924 5 11



1

In my case, fix this problem installing NodeJs, version 12.10.0

answered Sep 17 at 20:00

[Germán Ayala](#)



Run this command in your project folder. Use **serve** instead of build

1

```
node --max_old_space_size=8000 node_modules/@angular/cli/bin/ng serve --prod --port=4202
```

answered Oct 3 at 10:18



[Deepu Reghunath](#)

2,800 1 10 23