

## How to remove empty lines from a formatted string?

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How to remove empty lines in a string in C#? I am generating some text files in C# (winforms) and for some reason there are some empty lines. How can I remove them after the string is generated (using [StringBuilder](#) and [TextWrite](#)).



Example text file:

13

```
THIS IS A LINE
```

```
THIS IS ANOTHER LINE AFTER SOME EMPTY LINES!
```

Thanks.

[c#](#)[regex](#)[string](#)[stringbuilder](#)

edited Jan 21 '13 at 4:57

[JesterBaze](#)

60 2 11

asked Oct 4 '11 at 12:14

[Saeid Yazdani](#)

6,436 39 137 246

- 1 Is removing the lines after generation really what you want to do? I think you should look at why you are generating extra lines. If you use the WriteLine(...) methods they will write the

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- 1 Well it is not my fault, I am extracting text from some text files and that is the problem! – [Saeid Yazdani](#) Oct 4 '11 at 12:32

[stackoverflow.com/questions/4973524/...](https://stackoverflow.com/questions/4973524/...) – [Allen](#) Jan 29 '15 at 15:56

## 9 Answers



If you also want to remove lines that only contain whitespace, use

73



```
resultString = Regex.Replace(subjectString, @"^\s+${[\r\n]}*",  
    RegexOptions.Multiline);
```



`^\s+$` will remove everything from the first blank line to the last (in a contiguous block of empty lines), including lines that only contain tabs or spaces.

`[\r\n]*` will then remove the last CRLF (or just LF which is important because the .NET regex engine matches the `$` between a `\r` and a `\n`, funnily enough).

edited Jun 23 '18 at 17:59



Community ♦

1 1

answered Oct 4 '11 at 12:17



[Tim Pietzcker](#)

253k 43 381 463

- 3 This almost works, however I have one problem : The last line is empty and it isn't removed. I'm lousy at regex so I'm not sure why? – [Robin Rye](#) Jul 9 '12 at 8:48

- 4 [@RobinRye](#): This is because it requires at least one

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5 Thanks Tim, I thought so too after researching Regex a bit but it didn't help. Changed to `\s*` but the last line was still left in the result string. I used `str.Trim()` to get rid of it. – [Robin Rye](#) Jul 9 '12 at 10:18

@RobinRye thanks God you exists +1 – [Alberto León](#) Nov 10 '15 at 16:22

This removes the last empty line too:  
`Regex.Replace(subjectString, @"[\r\n]*\s*${\r\n}*", "", RegexOptions.Multiline);` – [Diana](#) May 10 '16 at 4:57

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 @Tim Pietzcker - Not working for me. I have to change a little bit but thx!  
 Ehhh C# Regex.. I had to change it again but this working good:

```
private string RemoveEmptyLines(string lines)
{
    return Regex.Replace(lines, @"^\s*${\n|\r}", string.Empty,
        RegexOptions.Multiline).TrimEnd();
}
```

Example: <http://regex101.com/r/vE5mP1/2>

edited Jun 23 '18 at 18:02



Community ♦

1 1

answered Jul 23 '14 at 11:27



[oobe](#)

338 2 7

Working in Unix. – [Ricardo Fontana](#) Jun 25 '18 at 14:23

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You could try `String.Replace("\n\n", "\n");`

7



answered Oct 4 '11 at 12:17



[user807566](#)

1,694 3 14 23

well thanks but this is not a general solution, would not include tabs, spaces and stuff like that – [Saeid Yazdani](#) Oct 4 '11 at 12:30

14 Your question didn't say anything about that. In fact you specifically said "empty lines." – [user807566](#) Oct 4 '11 at 12:39

I tacked `Trim()` on as well. But still, it won't work in cases of `\n\n\n` . – [HappyNomad](#) Oct 6 '13 at 1:40

Well, that is not actually resolves all empty lines. I faced a situation when I have variable amount of endlines going together. So in that case we need to iterate several times through the text. – [R. Matveev](#) Feb 21 '17 at 6:02



Try this

3



`Regex.Replace(subjectString, @"^\r?\n?$", "", RegexOptions`

edited May 9 '12 at 13:03



[Michał Powaga](#)

17.8k 6 42 59

answered Oct 4 '11 at 12:16



[Narendra Yadala](#)

8,072 1 20 42

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```
private string remove_space(string st)
{
    String final = "";

    char[] b = new char[] { '\r', '\n' };
    String[] lines = st.Split(b, StringSplitOptions.Re
    foreach (String s in lines)
    {
        if (!String.IsNullOrEmpty(s))
        {
            final += s;
            final += Environment.NewLine;
        }
    }

    return final;
}
```

edited Aug 16 '15 at 19:13

answered Aug 16 '15 at 18:32



keval choudhary

32 3

please add description – [zohar](#) Aug 16 '15 at 18:48

If you're like me and none of the above lines worked for ya, then I looked for a function that can tell you if a string is empty (and if it is, you can destroy or delete it, like I did)

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```
//delete/disable string
}
```

answered May 14 '18 at 23:23



dam corn

1



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```
private static string RemoveEmptyLines(string text)
{
    var lines = text.Split(new[] { Environment.NewLine },
StringSplitOptions.RemoveEmptyEntries);

    var sb = new StringBuilder(text.Length);

    foreach (var line in lines)
    {
        sb.AppendLine(line);
    }

    return sb.ToString();
}
```

answered Jan 8 at 10:56



Evgeny Sobolev

354 2 11



-1

This pattern works perfect to remove empty lines and lines with only spaces and/or tabs.

```
s = Regex.Replace(s, @"^s*(\r\n|\Z)", "", RegexOptions.Mul
```

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Ivan Ferrer Villa

1,716 1 20 18



I found simple answer to this problem

-1

```
YourradTextBox.Lines = YourradTextBox.Lines.Where(p =>  
p.Length > 0).ToArray();
```



Adapted from Marco Minerva [MCPD] at:

<https://social.msdn.microsoft.com/Forums/windows/en-US/b1bb4107-4ad5-4cd3-bd20-9c2b3f9b31a6/delete-lines-from-multiline-textbox-if-its-contain-certain-string-c?forum=winforms&prof=required>

answered Mar 11 '18 at 20:53



Scooter

218 2 7