How to remove empty lines from a formatted string?

Ask Question



30

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.



edited Jan 21 '13 at 4:57

JesterBaze **60** 2 11

asked Oct 4 '11 at 12:14



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

Well it is not my fault, I am extacting text from some text files and that is the problem! - Saeid Yazdani Oct 4 '11 at 12:32

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





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



answered Oct 4 '11 at 12:17



Tim Pietzcker **253k** 43 381

- 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

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

Home

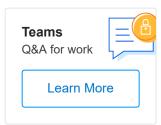
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@Tim Pietzcker - Not working for me. I have to change a little bit but thx!

3 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



answered Jul 23 '14 at 11:27



Working in Unix. - Ricardo Fontana Jun 25 '18 at 14:23



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



answered Oct 4 '11 at 12:17

user807566

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



```
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.IsNullOrWhiteSpace(s))
            final += s;
            final += Environment.NewLine;
    return final;
}
```

edited Aug 16 '15 at 19:13

answered Aug 16 '15 at 18:32



keval choudhary

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)

 \cap

```
//delete/disable string
}
answered May 14 '18 at 23:23
dam corn
```



```
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



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

-1

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



Ivan Ferrer Villa 1,716 1 20 18



I found simple answer to this problem



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

