
Subject: Re: no String::Replace() ?

Posted by [dolik.rce](#) on Mon, 11 Oct 2010 08:11:09 GMT

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luzr wrote on Sun, 10 October 2010 20:01OK, based on public request, I started inspired with Koldo's code and here is what I have added to String:

```
template <class B>
void AString<B>::Replace(const tchar *find, int findlen, const tchar *replace, int replacelen)
{
    String r;
    int i = 0;
    const tchar *p = Begin();
    for(;;) {
        int j = Find(findlen, find, i);
        if(j < 0)
            break;
        r.Cat(p + i, j - i);
        r.Cat(replace, replacelen);
        i = j + findlen;
    }
    r.Cat(p + i, GetCount() - i);
    *this = r;
}
```

Please check the algo...

There are also

```
void Replace(const String& find, const String& replace) { Replace(~find, find.GetCount(),
~replace, replace.GetCount()); }
void Replace(const tchar *find, const tchar *replace) { Replace(find, strlen(find), replace,
strlen(replace)); }
```

Hi Mirek,

It fails to compile for me (Linux + GCC or Clang). It complains that Begin() and GetCount() are undefined names. It should be template <class B>

```
void AString<B>::Replace(const tchar *find, int findlen, const tchar *replace, int replacelen)
{
    String r;
    int i = 0;
    const tchar *p = B::Begin(); // Added "B::"
    for(;;) {
        int j = Find(findlen, find, i);
```

```
if(j < 0)
    break;
r.Cat(p + i, j - i);
r.Cat(replace, replacelen);
i = j + findlen;
}
r.Cat(p + i, B::GetCount() - i); // Added "B::"
*this = r;
}
```

Honza
