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Subject: C strings

Posted by [Shire](#) on Sun, 08 Oct 2006 16:31:03 GMT

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C-like strings have a long history. But they have no length information, which can be unsafe ( `while(*p) {...}` ) and performance loss ( many `strlen()` calls ). Microsoft marks many of c-like functions as deprecated.

U++ code has many functions with only `const char*` parameter. Is it reasonable to change the type of these parameters to something like `ConstString`?

```
#define cs_(buff) ConstString(buff, sizeof(buff))
#define s_(buff) ConstString(buff, strlen(buff))
```

```
class ConstString
{
    const char* pBuffer;
    unsigned length;
public:
    ConstString(const char* p, unsigned length);
    // operators, accessors, etc..
}
```