
Subject: VectorMap iteration

Posted by [mdelfede](#) on Fri, 08 Aug 2025 10:06:40 GMT

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Hello,

Why

```
VectorMap<String, String> map;  
for(const auto &[name, value] : map) {  
....
```

Doesn't work ? I get this error:

```
C:\Users\massimo\Documents\lupp\UppHub\SysExec\SysExec\SysExec.cpp (242): error C2248:  
'Upp::String::len': impossibile accedere a private membro dichiarato nella classe 'Upp::String'
```

For Vector<String> works flawlessly...

Subject: Re: VectorMap iteration

Posted by [Oblivion](#) on Fri, 08 Aug 2025 10:17:42 GMT

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Hi Massimo,

It does work. You need to use tilde (~) operator, which returns Key/ValueRef:

```
#include <Core/Core.h>
```

```
using namespace Upp;
```

```
CONSOLE_APP_MAIN
```

```
{  
  StdLogSetup(LOG_COUT);  
  VectorMap<int, String> m = { {1, "one"}, {2, "two"} };  
  for(const auto& [i, s] : ~m)  
    LOG("i: " << i << ", s: " << s);  
}
```

Best regards,
Oblivion

Subject: Re: VectorMap iteration
Posted by [mdelfede](#) on Fri, 08 Aug 2025 14:38:07 GMT
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Thank you, Oblivion!
