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\upp\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 KeyValueRef:

```
#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!