
Subject: Re: Simple XML keymap parser
Posted by [Sc0rch](#) on Mon, 25 Jan 2010 10:02:04 GMT
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Final code (for me =)):

```
#ifndef XML_CONFIG_HPP
#define XML_CONFIG_HPP

#include <Core/Core.h>
using namespace Upp;

class XMLConfig : public VectorMap<String, String>
{
public:
XMLConfig(const String& name = "", const String& lang = "EN-EN")
: Name(name), Language(::LNGFromText(lang)) {}

XMLConfig& Set(const String& param, const String& value);
XMLConfig& Set(const String& param, int value);
XMLConfig& SetLanguage(const String& lang);
XMLConfig& Dump();

int GetNumber(const String& param, int min = -32768, int max = 32767);

void Xmlize(XmlIO xml);
bool Load(const String& path = "");
bool Save(const String& path = "");

String Name;
String Path;
int Language;
};

inline XMLConfig& XMLConfig::SetLanguage(const String& lang)
{
Language = ::LNGFromText(lang);
return *this;
}

inline bool XMLConfig::Load(const String& path)
{
Path = path;
return path == "" ? LoadFromXMLFile(*this) : LoadFromXMLFile(*this, path);
}

inline bool XMLConfig::Save(const String& path)
```

```

{
  Path = path;
  return path == "" ? StoreAsXMLFile(*this, "data") : StoreAsXMLFile(*this, "data", path);
}

```

```

inline XMLConfig& XMLConfig::Set(const String& param, const String& value)
{
  if (VectorMap<String, String>::Find(param) >= 0)
    VectorMap<String, String>::Get(param) = value;
  else
    VectorMap<String, String>::Add(param, value);
  return *this;
}

```

```

inline XMLConfig& XMLConfig::Set(const String& param, int value)
{
  return Set(param, AsString(value));
}

```

```

inline int XMLConfig::GetNumber(const String& param, int min, int max)
{
  int r = ScanInt(Get(param));
  if (r < min) r = min;
  if (r > max) r = max;
  return r;
}

```

```

inline void XMLConfig::Xmlize(XmlIO xml)
{
  xml("name", Name)("map", *((VectorMap<String, String>*)this));
  XmlizeLang(xml, "language", Language);
}

```

```

inline XMLConfig& XMLConfig::Dump()
{
  DUMP(Name);
  DUMP(Path);
  for (int i = 0; i < VectorMap<String, String>::GetCount(); i++)
    LOG(GetKey(i) + " = " + Get(GetKey(i)));
  return *this;
}

```

```

#endif // .. XML_CONFIG_HPP

```

Best regards!
Anton

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