Subject: [solved] Extensions to Xmlize for arrays
Posted by cbpporter on Fri, 20 May 2011 09:59:43 GMT
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I have small problem with Xmlize and containers. The XML will look like this:

```
<cats>
   <item>...</item>
   <item>...</item>
   ...
</cats>
```

That is not very XMLish. I want:

```
<cats>
   <cat>...</cat>
   <cat>...</cat>
   ...
</cats>
```

Could we add this to XmlIO class:

```
class XmlIO {
...

public:
...
 template <class T> XmlIO operator()(const char *tag, const char *itemtag, T& var);
```

and after:

```
template <class T>
void Xmlize(XmlIO xml, const char* itemtag, T& var)
{
 var.Xmlize(xml);
}

...

template <class T> XmlIO XmlIO::operator()(const char *tag, const char *itemtag, T& var) {
 XmlIO n(*this, tag);
 Xmlize(n, itemtag, var);
 return *this;
}
```

...

```
template<class T>
void Xmlize(XmlIO xml, const char* itemtag, Vector<T>& data)
{
 XmlizeContainer(xml, itemtag, data);
}

...

template<class T>
void Xmlize(XmlIO xml, const char* itemtag, Array<T>& data)
{
 XmlizeContainer(xml, itemtag, data);
}
```

This change is only meant for Array and Vector marshaling, but could be extended to rest of the containers.

So now I can do:

```
xml("cats", cats);
```

for the original XML format, or:

```
xml("cats", "cat", cats);
```

for the format I want.
