Subject: Index constructor from Vector now explicit
Posted by mirek on Tue, 26 Feb 2013 19:02:05 GMT
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Today I have encountered pretty tricky issue:

```
VectorMap<String, String> h;
const Index<String>& x = h.GetKeys();
```

This innocent looking code is broken in a very tricky way: GetKeys returns a reference to
Vector<String> which is then picked by Index constructor to perform a conversion to
Index<String> (in reality, there should have been h.GetIndex() instead...).

Because I have spent some bad amount of time trying to figure out what is happening, I have
decided to disallow this conversion path by making Index constructor from Vector explicit. Now
this will probably break some code (but not much of it), e.g. in theide, following line is now invalid:

```
Index<String> x = Split("hello;world", ';');
```

and has to be rewritten as

```
Index<String> x(Split("hello;world", ';'));
```

but I think it is still better to make this issue safer...

Mirek