

## Ryzom - Bug # 1497

<b>Status:</b>	Resolved	<b>Priority:</b>	Normal
<b>Author:</b>	yricl	<b>Category:</b>	Client: General
<b>Created:</b>	09/29/2012	<b>Assignee:</b>	kervala
<b>Updated:</b>	10/02/2012	<b>Due date:</b>	
<b>Subject:</b>	optimize the drawing of radar by removing multiple access to local db		
<b>Description</b>	using dB observer reduce the time passed in radar drawing function.  This improves a least a factor of 2 the time spent in the function.		

### History

#### #1 - 09/29/2012 02:40 pm - kervala

- Status changed from New to Resolved
- % Done changed from 0 to 100

Applied in changeset commit:63c43ca2deb4.

#### #2 - 09/29/2012 02:42 pm - kervala

- Assignee set to kervala
- Target version set to Version 0.9.0

Thanks a lot for your patch! It'll be useful for everyone :)

#### #3 - 09/30/2012 11:32 pm - arc

Thanks alot indeed!

#### #4 - 09/30/2012 11:42 pm - kervala

I noticed a good improvement in overall speed :)

#### #5 - 10/02/2012 12:33 am - yricl

- File radar2.diff added

introducing the predictable branching optimization MACRO nllikely and nlunlikely (working only on linux with gcc, must be tested on over systems)

```
1#  ifdef NL_OS_UNIX
2
3#ifndef nllikely
4#  define nllikely(expr) __builtin_expect(!(expr), true)
5#endif
6#ifndef nlunlikely
```

```
7#  define nlunlikely(expr) __builtin_expect(!(expr), false)
8#endif
9
10#  else // NL_OS_UNIX
11
12#ifndef nllikely
13#  define nllikely(x) (x)
14#endif
15#ifndef nlunlikely
16#  define nlunlikely(x) (x)
17#endif
18
19#  endif // NL_OS_UNIX
```

## Files

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radar.diff	12.6 kB	09/29/2012	yricl
radar2.diff	1.9 kB	10/02/2012	yricl