

---

Subject: Re: TURTLE alpha status

Posted by [Tom1](#) on Tue, 04 Feb 2014 08:47:45 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Hi Mirek,

I tried to compile the Reference/WebWord on Windows MSC9. Here are the issues and the solutions for them to make it work on Windows:

1. The following declaration is missing in WebWord.h but still referenced in ShowInfo:

```
int64    sent_prev;
```

2. The compiler goes nuts about this in Core/Gtypes.h:

```
#ifdef PLATFORM_WIN32
operator const RECT*() const { ASSERT(sizeof(*this) == sizeof(RECT)); return (RECT*)this; }
operator RECT*()          { ASSERT(sizeof(*this) == sizeof(RECT)); return (RECT*)this; }
operator RECT&()           { ASSERT(sizeof(*this) == sizeof(RECT)); return *(RECT*)this; }
operator RECT() const      { RECT r; r.top = top; r.bottom = bottom;
                           r.left = left; r.right = right; return r; }
Rect_(const RECT& rc)      { Set((T)rc.left, (T)rc.top, (T)rc.right, (T)rc.bottom); }
#endif
```

Commenting it out removes the problem, but is hardly the solution to use. (Should it be conditioned with "&& !PLATFORM\_TURTLE" ?)

3. Finally when linking I get:

Linking...

```
FT_fontsys.lib(FT_fontsys.obj) : error LNK2005: "void __cdecl Upp::GetStdFontSys(class Upp::String &,int &)" (?GetStdFontSys@Upp@@@YAXAAVString@1@AAH@Z) already defined in Draw.lib(FontWin32.obj)
FT_fontsys.lib(FT_fontsys.obj) : error LNK2005: "class Upp::String __cdecl Upp::GetFontDataSys(class Upp::Font)" (?GetFontDataSys@Upp@@@YA?AVString@1@VFont@1@@@Z) already defined in Draw.lib(FontWin32.obj)
FT_fontsys.lib(FT_fontsys.obj) : error LNK2005: "class Upp::Vector<struct Upp::FaceInfo> __cdecl Upp::GetAllFacesSys(void)" (?GetAllFacesSys@Upp@@@YA?AV?$Vector@UFaceInfo@Upp@@@1@XZ) already defined in Draw.lib(FontWin32.obj)
FT_fontsys.lib(FT_fontsys.obj) : error LNK2005: "struct Upp::CommonFontInfo __cdecl Upp::GetFontInfoSys(class Upp::Font)" (?GetFontInfoSys@Upp@@@YA?AUCommonFontInfo@1@VFont@1@@@Z) already defined in Draw.lib(FontWin32.obj)
```

```
FT_fontsys.lib(FT_fontsys.obj) : error LNK2005: "struct Upp::GlyphInfo __cdecl
Upp::GetGlyphInfoSys(class Upp::Font,int)"
(?GetGlyphInfoSys@Upp@@YA?AUGlyphInfo@1@VFont@1@H@Z) already defined in
Draw.lib(FontWin32.obj)
FT_fontsys.lib(FT_fontsys.obj) : error LNK2005: "void __cdecl Upp::RenderCharacterSys(struct
Upp::FontGlyphConsumer &,double,double,int,class Upp::Font)"
(?RenderCharacterSys@Upp@@YAXAAUFontGlyphConsumer@1@NNHVFont@1@@@Z)
already defined
in Draw.lib(FontWin32.obj)
C:\upp-svn\out\reference\MSC9.Turtle\WebWord.exe : fatal error LNK1169: one or more multiply
defined symbols found
```

To fix this, the package dependency in WebWord to plugin/DroidFonts needs to be conditionalized with When: TURTLE && !WIN32.

The last one can be solved by moving:

```
extern StaticRect& DesktopRect();
```

outside of the bool Ctrl::StartSession() function in Turtle/Server.cpp.

--

The WebWord then compiles, links and runs just fine on Windows (for one client session:).

Best regards,

Tom

---