Subject: Valgrind support in TheIDE
Posted by mirek on Sun, 11 May 2008 15:59:24 GMT
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Yep, it is quite rudimentary, but helpful anyway.

In TheIDE there is now Debug/"Run in Valgrind". It uses XML output which is then parsed to more readable form to console output and, more importantly, is understood by theide when doublecking (or pressing F4) (goes to line listed).

On related news, I have fixed all valgrind problems I have spotted when testing TheIDE in valgrind (and which were not coming from glibc, gtk etc..). (Unfortunately, most were really insignificant, nothing to explain recent Ubuntu problem).

Mirek

Subject: Re: Valgrind support in TheIDE
Posted by Novo on Mon, 19 May 2008 03:36:37 GMT
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Valgrind exists only on Linux. I've attached a patch.

File Attachments
1) valgrind.diff, downloaded 363 times

Subject: Re: Valgrind support in TheIDE
Posted by mdelfede on Mon, 19 May 2008 20:02:41 GMT
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Patch to make it work on both ubuntu 7.04 and 8.04.

```
void Ide::Valgrind()
{
 static String ValgrindLogFile = "";
 static bool hasValgrind = true;

 // runs valgrind --help to find if the correct option is
 // --log-file-exactly (ubuntu 7.04) or --log-file (ubuntu 8.04)
 if(hasValgrind && ValgrindLogFile == "")
 {
  One<Host> h = CreateHostRunDir();
  String fn = GetTempFileName();
```

```
 FileOut f(fn);
 String cmdline;
 if(!IsNull(h->Execute("valgrind --help", f)))
 {
  f.Close();
  String txt = LoadFile(fn);
  DeleteFile(fn);
  if(txt.Find("--log-file-exactly") > 0)
     ValgrindLogFile = "--log-file-exactly";
  else if (txt.Find("--log-file") > 0)
     ValgrindLogFile = "--log-file";
  else
   hasValgrind = false;
 }
 else
  hasValgrind = false;
}
if(!hasValgrind)
 return;

if(!Build())
 return;
One<Host> h = CreateHostRunDir();
.....................................
```

(applied to svn)

Ciao

Max

Subject: Re: Valgrind support in TheIDE
Posted by mirek on Mon, 19 May 2008 22:07:08 GMT
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mdelfede wrote on Mon, 19 May 2008 16:02Patch to make it work on both ubuntu 7.04 and 8.04.

```
void Ide::Valgrind()
{
 static String ValgrindLogFile = "";
 static bool hasValgrind = true;

 // runs valgrind --help to find if the correct option is
 // --log-file-exactly (ubuntu 7.04) or --log-file (ubuntu 8.04)
 if(hasValgrind && ValgrindLogFile == "")
```

```
{
 One<Host> h = CreateHostRunDir();
 String fn = GetTempFileName();
 FileOut f(fn);
 String cmdline;
 if(!IsNull(h->Execute("valgrind --help", f)))
 {
  f.Close();
  String txt = LoadFile(fn);
  DeleteFile(fn);
  if(txt.Find("--log-file-exactly") > 0)
     ValgrindLogFile = "--log-file-exactly";
  else if (txt.Find("--log-file") > 0)
     ValgrindLogFile = "--log-file";
  else
   hasValgrind = false;
 }
 else
  hasValgrind = false;
}
if(!hasValgrind)
 return;

if(!Build())
 return;
One<Host> h = CreateHostRunDir();
.....
```

(applied to svn)

Ciao

Max

Nice heurestics Applying.

Mirek

Subject: Re: Valgrind support in TheIDE
Posted by mdelfede on Tue, 20 May 2008 11:47:38 GMT
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ehehe... we must live with such dummy stuffs
Btw, a messagebox telling that Valgrind is not installed would be nice... or, I could add the dependency to debian package.

Ciao

Max

Subject: Re: Valgrind support in TheIDE
Posted by Novo on Wed, 21 May 2008 03:35:22 GMT
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Novo wrote on Sun, 18 May 2008 23:36Valgrind exists only on Linux. I've attached a patch.

Could you please apply this patch to TheIDE? My firewall complains about TheIDE launching a network-enabled application all the time ...

Subject: Re: Valgrind support in TheIDE
Posted by mdelfede on Wed, 21 May 2008 10:58:57 GMT
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Novo wrote on Wed, 21 May 2008 05:35Novo wrote on Sun, 18 May 2008 23:36Valgrind exists only on Linux. I've attached a patch.

Could you please apply this patch to TheIDE? My firewall complains about TheIDE launching a network-enabled application all the time ...

Applied!

Max
