Subject: Re: Program didn't exit in Task Manager after click [X]
Posted by mirek on Mon, 26 Oct 2020 07:47:19 GMT

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sinpeople wrote on Mon, 26 October 2020 02:36Hi folks,

   I have a dialog program which contains a "Start" button to start 2x thread services. It is copied and modified from an existing program. The original program does not have this program but this program has. I tried to isolate the program as the following:
   1) Launch program, click [X] directly, program can exit
   2) Launch program, click "Start" button, then click [X], program cannot exit.
   I could not spot anything suspicious in the callback code of the button handling.
It is the following:

```
btnStart <<= callback(this, &RegionalCtrl::SpawnTasks);




void RegionalCtrl::SpawnTasks()
{
 //Start Thread Remote Request; The Server Portion of the UDP TCP Service for Incoming Service
 //Request
 Thread udprpc;
 udprpc.Run(callback(this, &RegionalCtrl::UDPRpcServerThread));

 Thread tcprpc;
 tcprpc.Run(callback(this, &RegionalCtrl::TCPRpcServerThread));

 btnStart.Disable();
}

// Listenning here to figure any execution is needed
void RegionalCtrl::UDPRpcServerThread()
{
 UrrServer urr;
 urr.Create(m_nServerPort);
 //Cout() << "URR Ping server\n";
 //while(false)
 for(;;)
 {
  UrrRequest r;
  if(urr.Accept(r))
  {
   UdpRpcCmd(r);
  }
  Sleep(500);
```

```
 }
}

void RegionalCtrl::TCPRpcServerThread()
{
 TcpSocket server;
 if(!server.Listen(m_nServerPort+100, 5)) {
  Cout() << "Unable to initialize server socket!\n";
  SetExitCode(1);
  return;
 }
 Cout() << "Waiting for requests..\n";
 for(;;)
 {
  TcpSocket s;
  if(s.Accept(server)) {
   String w = s.GetLine();
   TcpRpcCmd(w);
//   Cout() << "Request: " << w << " from: " << s.GetPeerAddr() << '\n';
   if(w == "time")
    s.Put(AsString(GetSysTime()));
   else
    s.Put(AsString(3 * atoi(~w)));
   s.Put("\n");
  }
  Sleep(500);
 }
}
```

   I stepped into these 2 pieces of code. It didn't return back when the "if" statement is stepped into to get input strings. Comment either one of these 2 threads didn't help, unless comment both of them.

   I have to kill the program every time when it is launched outside theIDE. It can exited properly if I launch it within theIDE for debug though. I checked back to the original program. These pieces of code are the same. Headache. Not sure what's the general advise to troubleshoot this kind of "Fail to exit completed from OS" problem.

   Thank you very much!

Best Regards
David

Would it possible to post the whole package? I do not even know which "if" statement do you have in mind...

Mirek