Subject: Re: Protect package - A starting copy protection system
Posted by Tom1 on Thu, 07 Jun 2018 11:16:16 GMT
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Hi Max,

Here's the last stretch of ProtectEncrypt with added automatic 32/64 -bit Windows PE machine type detection and respective XED configuration. Works with MSBT17/MSBT17x64 on Windows.

```
 Cerr() << "ENCRYPTION KEY : " << HexString(key) << "\n";

 // loads file into buffer
 String fName = CommandLine()[0];
 if(!FileExists(fName))
 {
  Cerr() << "File '" << fName << "' not found\n";
  return;
 }
 FileIn f(fName);
 dword size = (dword)f.GetSize();
 Buffer<byte>buf(size);
 f.GetAll(buf, size);
 f.Close();

#ifdef WIN32 // Tom added
 int coffindex=*(unsigned int*)&buf[0x3c];
 unsigned short machine=*(unsigned short*)&buf[coffindex+4];
 switch(machine){
  case 0x14c: //i386
   Cout() << "Processing 32-bit i386 executable\n";
   XED.Set32bitMode();
   break;
  case 0x8664: // AMD64
   Cout() << "Processing 64-bit AMD64 executable\n";
   XED.Set64bitMode();
   break;
  default:
   Cout() << "Unknown executable - Cannot process\n";
   return;
 }

#endif

 // encrypt the application
 CryptBuf(buf, buf + size, key);

 // save the encrypted file
 FileOut fOut(fName);
```

```
fOut.Put(buf, size);

// sets up exit code
SetExitCode(0);
```

Please merge, if this looks OK to you.

Best regards,

Tom
