

How to detect and prevent Windows shut down

When Windows is about to shut down, it sends a *WM_QUERYENDSESSION* message to all open applications. To detect (and prevent shutdown), we must define a message handler for this message. Put this definition in the private section of the main form:

```
procedure WMQueryEndSession(var Msg: TWMQueryEndSession);  
message WM_QUERYENDSESSION;
```

Also, to prevent Windows shutting down put this method in the implementation section of the unit:

```
procedure TForm1.WMQueryEndSession(var Msg: TWMQueryEndSession);  
begin  
  if MessageDlg('Close Windows ?', mtConfirmation, [mbYes,mbNo], 0) = mrNo then  
    Msg.Result := 0  
  else  
    Msg.Result := 1 ;  
end;
```

To detect Windows Shutdown, we must trap the *WM_ENDSESSION* message. Declare a message handling procedure in your main frm's private section:

```
procedure WMEndSession(var Msg: TWMEndSession); message WM_ENDSESSION;
```

Also, add the following procedure to the implementation section of your unit:

```
procedure TForm1.WMEndSession(var Msg: TWMEndSession);  
begin  
  if Msg.EndSession = True then  
    ShowMessage(  
      'Windows is shutting down ' + #10#13 + 'at ' + FormatDateTime('c', Now)  
    );  
  inherited;  
end;
```

Author:	Unknown
Contributor:	Riccardo Faiella (Topellina)
Added:	2012-07-06
Last updated:	2012-07-06

Copyright © Peter Johnson (DelphiDabbler) 2002-2018