

Accessing Registry Keys and Items on Windows

TRegistry is a useful class can access Windows Registry which can check if the key exists or not, create a key, write a key, and etc. Below code shows the example of reading/writing keys and items on Microsoft Windows System Registry.

```
Uses System.Win.Registry;

procedure TForm3.InsertToRegBtnClick(Sender: TObject);
var
    reg      : TRegistry;
    openResult : Boolean;
    today     : TDateTime;
begin
    reg := TRegistry.Create(KEY_READ);
    reg.RootKey := HKEY_LOCAL_MACHINE;

    if (not reg.KeyExists('Software\MyCompanyName\MyApplication\')) then
    begin
        MessageDlg('Key not found! Created now.',
                    mtInformation, mbOKCancel, 0);
    end;
    reg.Access := KEY_WRITE;
    openResult := reg.OpenKey('Software\MyCompanyName\MyApplication\', True);

    if not openResult = True then
    begin
        MessageDlg('Unable to create key! Exiting.',
                    mtError, mbOKCancel, 0);
        Exit();
    end;

    { Checking if the values exist and inserting when necessary }

    if not reg.KeyExists('Creation\ Date') then
    begin
        today := Now;
        reg.WriteDateTime('Creation\ Date', today);
    end;

    if not reg.KeyExists('Licenced\ To') then
    begin
        reg.WriteString('Licenced\ To', 'MySurname\ MyFirstName');
    end;

    if not reg.KeyExists('App\ Location') then
    begin
        reg.WriteExpandString('App\ Location',
                               '%PROGRAMFILES%\MyCompanyName\MyApplication\');
    end;

    if not reg.KeyExists('Projects\ Location') then
    begin
        reg.WriteExpandString('Projects\ Location',
                               '%USERPROFILE%\MyApplication\Projects\');
    end;

    reg.CloseKey();
    reg.Free;

end;

procedure TForm3.DeleteFromRegBtnClick(Sender: TObject);
var
    reg : TRegistry;
begin
    reg := TRegistry.Create(KEY_WRITE);
    reg.RootKey := HKEY_LOCAL_MACHINE;

    reg.DeleteKey('Software\MyCompanyName\MyApplication');
```

```
reg.DeleteKey( 'Software\MyCompanyName' );  
  
reg.CloseKey();  
reg.Free;  
  
end;
```