

Using the WindowsStore Component

TWindowsStore component allows you to connect a Windows application with the Windows Store and use features such as getting a list of apps owned by the user, available add-ons, purchased add-ons, and handle trial mode.

The **TWindowsStore** component is supported for Windows platforms only and RAD Studio 10.3 Rio includes a VCL version and a FireMonkey version. TWindowsStore is a component wrapper for the TWindowsStoreCore.

Checking apps and add-ons owned by the user

To retrieve a list of Windows applications and add-ons owned by the user, you have to insert the **TWindowsStore** component in the form or create it at runtime, add a TButton, and include the following code:

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```
procedure TStoreForm.lbInfoClick(Sender:
TObject);
var
  LMsg: string;
const
  //These consts mirrors the name of the Add-Ons ad defined
  //in the MS Windows Store. Using this approach you can "Ask" to the
  //store what the current user has bought.
  //The current user is indentified automatically because the
  //app has been downloaded from the store.
  HENRYFORDQUOTES = 'henryfordquotes';
  SAVETOFILE = 'savetofile';
  SAVEASFAVOURITE = 'saveasfavourite';
begin
  LMsg := '**You current situation**' + sLineBreak;
  LMsg := LMsg + 'You ' + IfThen(WindowsStore1.UserHasBought(HENRYFORDQUOTES),
    'have bought', 'don''t have bought') +
    ' the great Henry Ford aphorisms archive.' + sLineBreak;
  LMsg := LMsg + 'You ' + IfThen(WindowsStore1.UserHasBought(SAVETOFILE),
    'have bought', 'don''t have bought') +
    ' the ability to save aphorisms to file.' + sLineBreak;
  LMsg := LMsg + 'You ' + IfThen(WindowsStore1.UserHasBought(SAVEASFAVOURITE),
    'have bought', 'don''t have bought') +
    ' the ability to save aphorisms as favourite.' + sLineBreak;
  ShowMessage(LMsg);
end;
```

Accessing the available add-ons

The component also allows you to inspect all the available add-ons by accessing the **AppProducts** indexed property (sgAvailableProducts is a TStringGrid), as in the code shown below:

```
procedure TStoreForm.UpdateAvailableProducts;
var
  LProdsCount: Integer;
  I: Integer;
  LRow: TString;
begin
  LProdsCount := WindowsStore1.AppProducts.Count;
  for I := 0 to LProdsCount - 1 do
  begin
    LRow := sgAvailableProducts.Rows[I + 1];
    LRow.Add(WindowsStore1.AppProducts[I].StoreId.ToString);
    LRow.Add(WindowsStore1.AppProducts[I].Title.ToString);
    LRow.Add(WindowsStore1.AppProducts[I].Price.FormattedBasePrice.ToString);
    LRow.Add(WindowsStore1.AppProducts[I].ProductKind.ToString);
    LRow.Add(
      WindowsStore1.AppProducts[I].Price.IsOnSale.ToString(TUseBoolStrs.True)
    );
    LRow.Add(
      WindowsStore1.AppProducts[I].IsInUserCollection
        .ToString(TUseBoolStrs.True)
    );
  end;
end;
```

Checking add-ons owned by the user

To retrieve a list of the add-ons owned by the user, use the **UserCollection** indexed property, which works in the same way as the **AppProducts**.

Handling Trial Mode

Use the AppLicense property to handle the **TrialMode** for your app as shown below:

```
procedure TStoreForm.lbTrialInformationClick(Sender: TObject);
var
  LRemainingTrialDays: Integer;
begin
  if WindowsStore1.AppLicense.IsActive then
  begin
    if WindowsStore1.AppLicense.IsTrial then
    begin
      LRemainingTrialDays := WindowsStore1.AppLicense.TrialTimeRemaining.Days;
      ShowMessage(
```

```
        Format('You can use this app for %d more days before the trial period ends.',
[LRemainingTrialDays]));
    end
    else
    begin
        ShowMessage('You have a full license. The trial time is not meaningful.');
```



```
    end;

    end
    else
    begin
        ShowMessage('You don''t have a license. The trial time can''t be determined.');
```



```
    end;
End;
```

Note: This scenario is based upon the one described in https://github.com/Microsoft/Windows-universal-samples/blob/master/Samples/Store/cs/Scenario1_TrialMode.xaml.cs#L82.

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