

How to implement an OnAfterExecute event in a TActionList

QUESTION

In a *TActionList*, there is an event *OnExecute*, which is called before executing an action. Now I would like to enhance *TActionList* with an event *OnAfterExecute*, which is called when the execution of any action is finished. I looked at the VCL code, but for me it's not clear, where and how to add this feature in a subclass of *TActionList*.

```
unit MyActionList;

interface

uses
  Windows, Messages, SysUtils, Classes, Graphics, Controls, Forms, Dialogs, ActnList;

type
  TMyActionList = class(TActionList)
  private
    FOnAfterExecute: TActionEvent;
    SOnExecute: TActionEvent;
  protected
    procedure Loaded; override;
    procedure DoOnExecute(Action: TBasicAction; var Handled: Boolean);
  published
    property OnAfterExecute: TActionEvent
      read FOnAfterExecute write FOnAfterExecute;
  end;

procedure Register;

implementation

procedure Register;
begin
  RegisterComponents('Samples', [TMyActionList]);
end;

{ TMyActionList }

procedure TMyActionList.DoOnExecute(Action: TBasicAction; var Handled: Boolean);
begin
  if Assigned(SOnExecute) then
  begin
    SOnExecute(Action, Handled);
    if Assigned(OnAfterExecute) then
      OnAfterExecute(Action, Handled);
  end;
end;

procedure TMyActionList.Loaded;
begin
  inherited;
  SOnExecute := OnExecute;
  OnExecute := DoOnExecute;
end;

end.
```

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