

Change Log Quick Access App for Microsoft Dynamics 365 Business Central

Technical Documentation

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1 Introduction

The App “Chang Log Quick Access” from KUMAVISION is designed in such a way that it can be **extended** by other Microsoft partners or customers.

2 Example for New Table / Page

For example, there is a new table and page:

```

Tab50100.MyRecord.al ●
Al > table > Tab50100.MyRecord.al > ...
0 references
1 table 50100 "MyRecord"
2 {
3     DataClassification = CustomerContent;
4
5     fields
6     {
7         1 reference
8         field(1; "No."; Integer)
9         {
10            Caption = 'No.';
11            DataClassification = SystemMetadata;
12        }
13
14        0 references
15        field(2; "Customer No."; Code[20])
16        {
17            Caption = 'Customer No.';
18            Tablerelation = Customer."No.";
19            DataClassification = SystemMetadata;
20        }
21
22        0 references
23        field(3; Description; Text[100])
24        {
25            Caption = 'Description';
26            DataClassification = CustomerContent;
27        }
28    }
29
30    keys
31    {
32        - reference
33        key(PK; "No.")
34        {
35            Clustered = true;
36        }
37    }
38 }
  
```

```

Tab50100.MyRecord.al • Pag50100.MyRecordList.al •
AI > page > Pag50100.MyRecordList.al > Page 50100 KVSMYRecordList
0 references
1 page 50100 "KVSMYRecordList"
2 {
3
4     PageType = List;
5     SourceTable = MyRecord;
6     Caption = 'KVSMYRecordList';
7     ApplicationArea = All;
8     UsageCategory = Lists;
9
10    layout
11    {
12        0 references
13        area(content)
14        {
15            0 references
16            repeater(General)
17            {
18                0 references
19                field("No."; "No.")
20                {
21                    ApplicationArea = All;
22                }
23            }
24            0 references
25            field("Customer No."; "Customer No.")
26            {
27                ApplicationArea = All;
28            }
29        }
30    }
31 }
32
33
34
  
```

You only have to add a new action and call function **ShowChangeLogEntries** on the Codeunit **KVSCLQChangeLogLib**.

```
actions
{
    0 references
    area(Navigation)
    {
        0 references
        action(KVSCLQChangeLog)
        {
            ApplicationArea = All;
            Caption = 'Change Log';
            Image = ChangeLog;
            trigger OnAction()
            var
                KVSCLQChangeLogLib: Codeunit KVSCLQChangeLogLib;
            begin
                KVSCLQChangeLogLib.ShowChangeLogEntries(Rec.RecordId());
            end;
        }
    }
}
```

3 Events for special cases

We have also implemented an event to solve some special cases:

For example, you can handle a case like “Header and Line” (and the page shows header and lines change log entries for 2 tables).

OnBeforeSetFilteronPrimaryKeyFieldsatChangeLogEntryCaseElse

OnBeforeSetFilteronTableNoatChangeLogEntryCaseElse

```

1  codeunit 50100 "KVSMYCodeunit"
2  {
3    [EventSubscriber(ObjectType::Codeunit, Codeunit::KVSQLQChangeLogLib, 'OnBeforeSetFilteronPrimaryKeyFieldsatChangeLogEntryCaseElse', '', true, false)]
4    local procedure SetMyFilter(var ChangeLogEntry: Record "Change Log Entry"; RecID: RecordId; var isCaseHandled: Boolean)
5    begin
6      // My Code
7    end;
8
9    [EventSubscriber(ObjectType::Codeunit, Codeunit::KVSQLQChangeLogLib, 'OnBeforeSetFilteronPrimaryKeyFieldsatChangeLogEntryCaseElse', '', true, false)]
10   local procedure SetMyKey(var ChangeLogEntry: Record "Change Log Entry"; RecID: RecordId; var isCaseHandled: Boolean)
11   begin
12     // My Code
13   end;
14 }
15

```

Example with a Transfer Order (Header and Lines)

```

1  codeunit 50101 "KVSMYCodeunit4TransferOrder"
2  {
3    [EventSubscriber(ObjectType::Codeunit, Codeunit::KVSQLQChangeLogLib, 'OnBeforeSetFilteronPrimaryKeyFieldsatChangeLogEntryCaseElse', '', true, false)]
4    no commands
5    local procedure SetMyFilter(var ChangeLogEntry: Record "Change Log Entry"; var isCaseHandled: Boolean)
6    begin
7      ChangeLogEntry.Setfilter("Table No.", '%1|%2', database::"Transfer Header", database::"Transfer Line");
8      isCaseHandled := true;
9    end;
10 }
11
12

```