**Auto Assign SKU to Category when PO Imported**

Taki Guan

# Version History

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| --- | --- | --- | --- |
| Version | Author | Date | Changes |
| 1.0 | Taki Guan | 2019-5-7 | Create Document |
| 1.0 | Taki Guan | 2019-5-13 | Finish Document |
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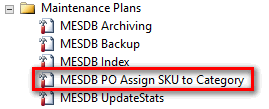
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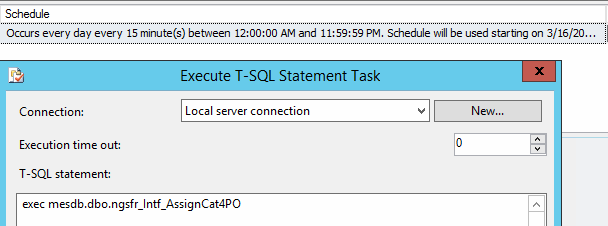
# Purpose

This function is designed by Yahua to help auto assign items to specific category. It starts from work order import into [ngsfr\_subr\_production\_order]. Then it will trigger store procedure [ngsfr\_Intf\_ItemProcessLink\_Upd]. Store procedure [sp\_I\_Item\_Category\_Link] will be called here.

# Procedure



Here a maintenance plan created every 15 min to run store procedure [ngsfr\_Intf\_AssignCat4PO].



# Architecture

**[ngsfr\_Intf\_AssignCat4PO]**

ALTER PROCEDURE [dbo].[ngsfr\_Intf\_AssignCat4PO]

AS

BEGIN

    SET NOCOUNT ON;

    SET XACT\_ABORT ON;

declare @curRecID int

    declare myCsr cursor for select top 50 intf\_record\_id from ngsfr\_subr\_production\_order spo where spo.intf\_process\_status=5

    and not exists (select 1 from ngsfr\_PO\_AssignedCategory ps where ps.intf\_record\_id=spo.intf\_record\_id)

    order by intf\_record\_id

    open myCsr

    fetch next from myCsr into @curRecID

    while @@FETCH\_STATUS=0

    begin

        exec ngsfr\_Intf\_ItemProcessLink\_Upd @curRecID

        fetch next from myCsr into @curRecID

    end

    close myCsr

    deallocate myCsr

END

Here a temp table [ngsfr\_PO\_AssignedCategory] is created to store [intf\_record\_id] processed.

**[ngsfr\_subr\_production\_order]**

ALTER PROCEDURE [dbo].[ngsfr\_Intf\_ItemProcessLink\_Upd](@varRecID int)

AS

BEGIN

    SET NOCOUNT ON;

    SET XACT\_ABORT ON;

*--UPDATE ngsfr\_subr\_production\_order SET intf\_process\_status = 2 WHERE intf\_record\_id = @varRecID*

    if not exists (select 1 from ngsfr\_PO\_AssignedCategory where intf\_record\_id=@varRecID)

    begin

        insert into ngsfr\_PO\_AssignedCategory(intf\_record\_id) values(@varRecID)

    end

*--Assign SKU to Category*

    declare @curItem nvarchar(20),@curLineType nvarchar(40)

    select top 1 @curItem=material,@curLineType=work\_center

    from ngsfr\_subr\_production\_order where intf\_record\_id=@varRecID

    if @curLineType is not null and @curItem is not null

    begin

        declare @tb table(category\_id int,category\_name nvarchar(100),LineType nvarchar(20),CateType nvarchar(20),curLineType nvarchar(40),actionFlag int)

        insert into @tb(category\_id,category\_name,LineType,CateType,actionFlag)

        select ct.category\_id,ct.category\_name,p.Value as LineType,ct.spare2 CateType,0

        from category ct cross apply dbo.ngsfr\_fn\_S\_Split\_String(ct.spare1,',',1) as p

        where spare1 is not null and spare2 is not null

*--*

        update @tb set curLineType=@curLineType

        update @tb set actionFlag=1 where curLineType like LineType+'%' and CateType='COMMON'

        update tmp set actionFlag=2

        from @tb tmp,item\_category\_link icl

        where tmp.actionFlag=1 and tmp.category\_id=icl.category\_id and icl.item\_id=@curItem

*--*

        declare updCsr cursor for select category\_id from @tb where actionFlag=1

        declare @curCateID int

        open updCsr

        fetch next from updCsr into @curCateID

        while @@FETCH\_STATUS=0

        begin

            begin try

                exec sp\_I\_Item\_Category\_Link @curCateID,@curItem,null,null

            end try

            begin catch

            end catch

            fetch next from updCsr into @curCateID

        end

        close updCsr

        deallocate updCsr

    end

END

Here you can see Yahua insert [intf\_record\_id] to [ngsfr\_PO\_AssignedCategory] at first. Then create a temp table @tb to store the category need to be inserted.

Here [actionFlag] is used to identify if the item is maintained or not. If equal to 1, this item needs to be maintained use store procedure [sp\_I\_Item\_Category\_Link]. Else if the value is 2, it has been maintained already.

# Reference Link