# OEM L2 : To successfully merge Cycle Count by removing duplicate COA ranges.

KB0040095



18 views

**GOAL :**To successfully merge Cycle Count by removing duplicate COA ranges.

**Symptom :**Wrong Cycle Count name used

                     AR Entries submits two Cycle Counts and needs to have these two Cycle Counts Merged

Cause : AR picked, used or created wrong Cycle Count Inventory Name

FIX :

**Merge Cycle Count - II (Remove Duplicate COA Range)**

**STEP- 1:**Archive and Remove the common coa ranges from the following:

1) Server: **OEMP1SQLCOR**, Database: **COATransaction**, Table: **EventGroup9**.

2) Server: **OEMP1SQLCOR**, Database: **COATransaction**, Table: **CycleCountEvents**.

3) Server: O**EMP1SQLWHS**, Database: **COAAdhoc**,         Table: **CycleCount**.

**Code:**

**-- OEMP1SQLCOR**

Use COATransaction

Begin Tran

Declare @SiteID int,

@CCa varchar(35),-- Cyclecount InventoryName AR wishes to keep

@CCb varchar(35),--Cyclecount InventoryName AR wishes to merge with CCa

@SRNum AS VARCHAR(15),

@YrAlice AS VARCHAR(10),

@Reason AS VARCHAR(50)

Select @SiteID = <ARID/FromSiteID>,

@CCa = '< Cyclecount InventoryName AR wishes to keep>',

@CCb = '< Cyclecount InventoryName AR wishes to merge with CCa>',

@SRNum = '<SR Number>',

@YrAlice = '<Your Alice>',

@Reason = @YrAlice+' Archive and Remove duplicate coa ranges before Cycle Count Merge ' + ', SR#' [+@SRNum](mailto:+@SRNum)

**Step- 2:**Archive the common Coa ranges from EventGroup9 table by executing the below query:

INSERT INTO COATransaction..EventArchive

SELECT

EventUUID                     ,EventTypeId                  ,ControlNumber              ,SenderKey                    ,

ReceiverKey                   ,BeginningCOAID            ,EndingCOAID                ,UserID                          ,

UserName                     ,EventDate                     ,FromSiteID                   ,ToSiteID                       ,

AdjustedFromSiteID        ,AdjustedToSiteID          ,APMPartNumber            ,MediaPartNumber          ,

PrinterID                        ,AROrderNumber            ,MSOrderNumber           ,ARLineItemNumber        ,

MSLineItemNumber        ,MSPartNumber              ,COAStockPartNumber    ,OEMSoldTo                   ,

ShipToSiteID                  ,OEMLicenseNumber       ,LicensablePartNumber   ,OEMLicenseStatusCode  ,

InventoryStatusCode       ,InventoryNumber           ,InventoryCycleTypeID    ,InventoryName              ,

PrintStatusCode             ,ManualFlag                   ,ThirdPartyInstallerSiteFlag         ,OrderType        ,

OEMPartNumber             ,OEMPONumber             ,ProductFamilyCode        ,OEMName                    ,

ReturnReasonID             ,ScrapID                        ,ExceptionReasonID        ,CourierName                ,

CourierTrackingNumber ,Comments                    ,Quantity ,AdjustmentTypeID       ,

AdjustmentID                 ,ManualPODReasonCode ,PartSubClassID             ,InvoiceNumber              ,SAPOrderNumber ,

CreatedDate                  ,LastModifiedDate           ,PackingSlipNumber        ,AppType                       ,LineItem ,

NativeEventDate             ,RelatedEventUUID          ,BeginningBIN                 ,CRCSiteID                     ,

getUTCdate(),                   @Reason,

FileUploadConversionDT  ,FileUploadFlag              ,PODUpdateFlag             ,EBisTransDateTime       ,

INVLineNumber              ,NumberofRanges           ,HeaderControlNumber   ,DetailEventDate ,PIDStatus                     ,

ReconControlNumber      ,HeaderText                   ,InvoiceDueDate             ,SRNumber                    ,SAPOrderLineNo

FROM    COATransaction..EventGroup9 (nolock)

where fromsiteid = @SiteID

and inventoryname = @CCb

and Beginningcoaid in  (select Beginningcoaid

    from eventgroup9 (nolock)

    where FromSiteID = @SiteID

    and inventoryname in (@CCa,@CCb)

    group by Beginningcoaid, endingcoaid

    having count(\*) > 1)

**Step- 3:** Run the below Query to remove common COA ranges from CCb that AR Whishes to merge with CCa.

Delete EventGroup9

where FromSiteID = @SiteID

and inventoryname in (@CCb)

and Beginningcoaid in (select Beginningcoaid

    from eventgroup9 (nolock)

    where  FromSiteID = @SiteID

    and inventoryname in (@CCa, @CCb)

    group by Beginningcoaid, endingcoaid

    having count(\*) > 1)

**Step- 4:**Run the below query to archive & remove duplicate rows from cyclecountevents table.

Insert into oemsupport..cyclecounteventsarchive

select \* , getutcdate(),@reason

from cyclecountevents(nolock)

where FromSiteID = @SiteID

and inventoryname in (@CCb)

and Beginningcoaid in (select Beginningcoaid

   from CycleCountEvents (nolock)

   where  FromSiteID = @SiteID

   and inventoryname in (@CCa,@CCB)

   group by Beginningcoaid, endingcoaid

   having count(\*) > 1)

**-- <> rows will be removed.**

Delete CycleCountEvents

Where FromSiteID = @SiteID

and inventoryname in (@CCb)

and Beginningcoaid in (select Beginningcoaid

   from CycleCountEvents (nolock)

   where  FromSiteID = @SiteID

   and inventoryname in (@CCa,@CCb)

   group by Beginningcoaid, endingcoaid

   having count(\*) > 1)

-- Rollback Tran

-- Commit Tran

**-- OEMP1SQLWHS**

Use COAAdhoc

**Step- 5:** Run the below query to find out InventorySSID

Select \* from InventorySnapShots(nolock)

where ARID = <ARID>

and inventoryname  like '<Name of the CC>'

Begin Tran

Declare @SiteID int,

 @CCa\_InvSSID int,           -- Cycle Count Inventory Name AR wishes to keep

 @CCb\_InvSSID int,           -- Cycle Count Inventory Name AR wishes to merge with CCa

 @SRNum AS VARCHAR(15),

 @YrAlice AS VARCHAR(10),

 @Reason AS VARCHAR(50)

Select @SiteID = <ARID/FromSiteID>,

@CCa\_InvSSID = '< Cyclecount InventoryName AR wishes to keep>',

@CCb\_InvSSID = '< Cyclecount InventoryName AR wishes to merge with CCa>',

@SRNum = '<SR Number>',

@YrAlice = '<Your Alice>',

@Reason = @YrAlice+' Archive and Remove duplicate coa ranges before Cycle Count Merge ' + ', SR#' [+@SRNum](mailto:+@SRNum)

Insert Into OEMSupport..CyclecountArchive

select \*, getdate(),@Reason

from Cyclecount (nolock)

where InventorySSID in (@CCb\_InvSSID)

and Beginningcoaid in (select Beginningcoaid

    from cyclecount (nolock)

    where InventorySSID in (@CCa\_InvSSID, @CCb\_InvSSID)

    group by Beginningcoaid, endingcoaid

    having count(\*) > 1)

**Step- 6:** Run the below query to remove from CycleCount

delete Cyclecount (nolock)

where InventorySSID in (@CCb\_InvSSID)

and Beginningcoaid in (select Beginningcoaid

    from cyclecount (nolock)

    where InventorySSID in (@CCa\_InvSSID, @CCb\_InvSSID)

    group by Beginningcoaid, endingcoaid

    having count(\*) > 1)

-- Rollback Tran

-- Commit Tran

Note: Please check the article # ms132804 Merge Cycle Count – I before proceeding for Merge Process and MS37008 Merge Cycle Count - III. These articles are closely related to each other to complete the cycle Count Merge Process.