Orphan Binds.

These are binds that have not been removed before the rule was deleted. So the system still thinks they are valid and you can't remove them.

MBOM_BAAN Task and Rules in 230_DE2

Information Steward Task BaaN_BOMs fails in 230_DE2, works OK in Helen Stover's project.

There are 3 MBOM Migration rules that should be deleted from 230_DE2. Bill renamed them to "Do Not Use." They give an "error" that isn't really an error. Can't see bindings, but bindings can't be removed to remove rules.

Helens project results.

MBOM_BAAN_OPNO_003

MBOM_BAAN_OPNO_003

Description:	0 operation on BOMs, excluding phantoms. Joins to filtered list by parent item.				
Author: **H0004255**			Approver: **Data Insight Administrator**		

Connection	Schema	Table	Columns	Score
DS_STAGE	dbo	DS_BaaN_BOMs	T$MITM_Parent_Item,T$DSCA_Parent_Description,T$CPHA_Phantom,T$OPNO_Operation	8.98

MBOM_BAAN_QANA_003

MBOM_BAAN_QANA_003

Description:	Negative BOMs for manufactured parts. Joins to filtered list by parent item.				
Author: **H0004255**			Approver: **Data Insight Administrator**		

Connection	Schema	Table	Columns	Score
DS_STAGE	dbo	DS_BaaN_BOMs	T$MITM_Parent_Item,T$DSCA_Parent_Description,T$QANA_Net_Qty	9.93

MBOM_BAAN_QANA_005

MBOM_BAAN_QANA_005

Description:	Zero quantity on BOMs for manufactured parts, excluding bulk materials. Joins to filtered list by parent item.				
Author: **H0004255**			Approver: **Data Insight Administrator**		

Connection	Schema	Table	Columns	Score
DS_STAGE	dbo	DS_BaaN_BOM_Zero_Q	T$MITM_Parent_Item,T$DSCA_Parent_Description,T$QANA_Net_Qty	7.94

KDD

Key Data Domains				Quality Dimensions			Rules		
Name	Score	Lo...	Hig...	Name	Weight	Score	Name	Weight	Score
BaaN_BOMs	8.10	7	9	Accuracy	Auto 100	8.10	MBOM_BAAN_MITM_001	Auto 17	9.04
							MBOM_BAAN_OPNO_003	Auto 17	8.98
							MBOM_BAAN_QANA_003	Auto 17	9.93
							MBOM_BAAN_QANA_005	Auto 17	7.94
							MBOM_MM_Phantoms_001	Auto 16	4.18
							MBOM_MM_Phantoms_002	Auto 16	8.40

Baan_BOM task

Name:* `BaaN_BOMs`

Email notification: `_____` Save all failed data to: `IS_FAILED_DATA`

Task options:

✕	Name	Max input size	Input sampling rate	Max sample data size
✕ ⊞	DS_STAGE.dbo.DS_BaaN_BOM_Zero_Qty	All	1	100
✕ ⊞	DS_STAGE.dbo.DS_BaaN_BOMs	All	1	100
✕ ⊞	DS_STAGE.dbo.DS_BaaN_Mfg_No_BOM	All	1	100

Baan_BOM_Phantoms Task

Name:* `BaaN_BOM_Phantoms`

Email notification: `_____` Save all failed data to: `IS_FAILED_DATA`

Task options:

✕	Name	Max input size	Input sampling rate	Max sample data size
✕ ⊞	DS_STAGE.dbo.DS_BaaN_BOM_Phantoms	All	1	100
✕ ⊞	DS_STAGE.dbo.DS_BaaN_MATL_Phantoms	All	1	100

230_DE2

Projects ▸ 230_DE2

Show score as of: Last Run | Sort By: Name | Views: Scorecard Last Run Date: 3/16/2017 6:31 AM

Key Data Domain			Data Quality Dimensions		Validation Rules		
BaaN_BOMs	test BOMs	6.99	Accuracy	6.99	MBOM_BAAN_MITM_001	Manufactured parts that don't have a BOM.	8.35
BaaN_Validation		7.61			MBOM_BAAN_OPNO_003	0 operation on BOMs, excluding phantoms.	
Data_Migration	Scorecard For Data Migration is set at the...	6.07			MBOM_MM_Phantoms_001	Phantom component in BOM is phantom in material master.	3.42
G_Bank_Master	Bank Master Data Measurement	9.93			MBOM_MM_Phantoms_002	Phantom in material master should be phantom in BOM.	9.20

When looking above at the results tab and the rules bound to the table I see rules that need to be.
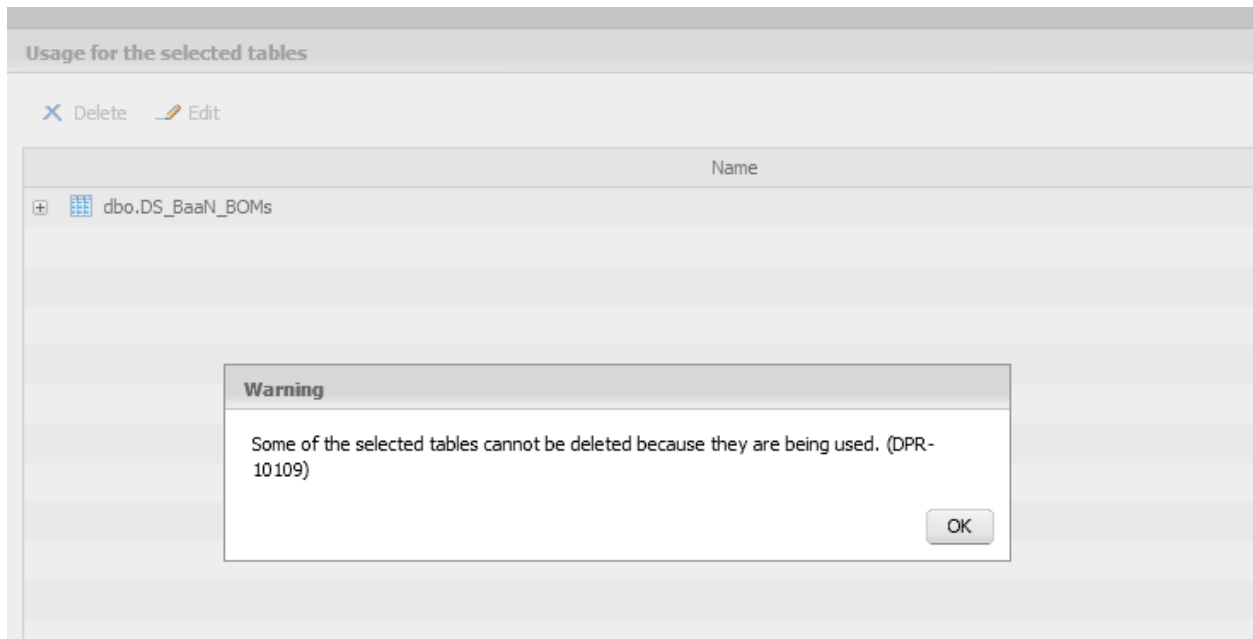
Every attempt to remove the rules or un-bind them from the project result in the same error.
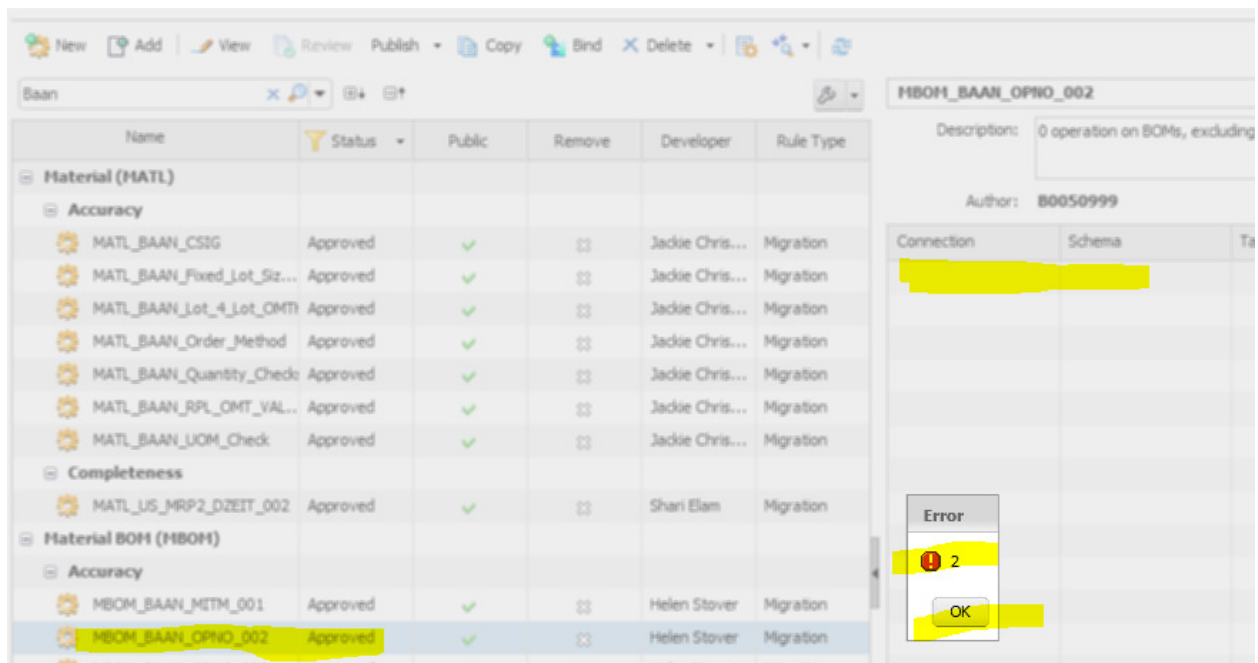
The above shows the rule has no bind. The number in the error is 2 because I tried binding the rule again. In an attempt to write over the old bind. All it did was make it worse. Now there are two orphan binds that need to be removed. You can see the orphan rule binds below when looking at the table level.

```
⊟ ☐  📊 T$CPHA_Phantom
        ⚙ MBOM_BAAN_OPNO_002
        ⚙ MBOM_BAAN_OPNO_002
     ☐  📘 T$CPLB_Parent_Buyer_Plannner
     ☐  📘 T$CSIG_Signal_Code
     ☐  📘 T$CWAR_Warehouse
     ☐  📘 T$DSCA_Child_Description
⊟ ☐  📊 T$DSCA_Parent_Description
        ⚙ MBOM_BAAN_QANA_003
     ☐  📘 T$EXDT_Expiry_Date
     ☐  📘 T$INDT_Effective_Date
     ☐  📘 T$LTDT_Child_Last_Inventory_Trans
     ☐  📘 T$LTDT_Parent_Last_Inventory_Tra
⊟ ☐  📊 T$MITM_Parent_Item
        ⚙ MBOM_BAAN_OPNO_002
        ⚙ MBOM_BAAN_OPNO_002
        ⚙ MBOM_BAAN_QANA_001
        ⚙ MBOM_BAAN_QANA_003
⊟ ☐  📊 T$OPNO_Operation
        ⚙ MBOM_BAAN_OPNO_002
        ⚙ MBOM_BAAN_OPNO_002
        ⚙ MBOM_BAAN_OPNO_002
     ☐  📘 T$PONO_Position
⊟ ☐  📊 T$QANA_Net_Qty
        ⚙ MBOM_BAAN_QANA_001
        ⚙ MBOM_BAAN_QANA_001
        ⚙ MBOM_BAAN_QANA_003
```

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Posted a question on SAP's community. https://answers.sap.com/questions/155738/how-do-you-remove-a-rule-that-thinks-its-still-bou.html

So I decided to go to the SQL server corp635 actual tables and see what could be done.

```
 /****** Script for SelectTopNRows command from SSMS ******/
SELECT [rule_id]
      ,[is_current_version]
      ,[batch_status]
      ,[has_extended_text]
      ,[end_dt]
      ,[effective_dt]
      ,[configuration_id]
      ,[create_actor_id]
      ,[update_actor_id]
      ,[checkpoint_id]
      ,[audit_comment]
      ,[property_bag]
      ,[project_id]
      ,[edit_actor_id]
      ,[parameter_count]
      ,[rule_version]
      ,[state]
      ,[is_valid]
      ,[rule_definition]
      ,[test_rule_definition]
      ,[test_description]
      ,[test_name]
      ,[rule_author]
      ,[rule_approver]
      ,[is_public]
      ,[owner_project_id]
      ,[technical_name]
      ,[business_name]
      ,[description]
      ,[annotation]
  FROM [IS_Repository].[dbo].[MMT_Rule]
```

rule_definition
<rule:Rule guid="913C14D6-1CF7-4A02-8214-BF4CE220324A" xmlns:rule="http://www.sap.com/ICC/Rule"> <rule:name>MBOM_BAAN_QANA_002</rule:name> <r
<rule:Rule guid="913C14D6-1CF7-4A02-8214-BF4CE220324A" xmlns:rule="http://www.sap.com/ICC/Rule"> <rule:name>MBOM_BAAN_QANA_002</rule:name> <r
<rule:Rule guid="913C14D6-1CF7-4A02-8214-BF4CE220324A" xmlns:rule="http://www.sap.com/ICC/Rule"> <rule:name>MBOM_BAAN_QANA_002</rule:name> <r
<rule:Rule guid="913C14D6-1CF7-4A02-8214-BF4CE220324A" xmlns:rule="http://www.sap.com/ICC/Rule"> <rule:name>MBOM_BAAN_QANA_002</rule:name> <r
<rule:Rule guid="913C14D6-1CF7-4A02-8214-BF4CE220324A" xmlns:rule="http://www.sap.com/ICC/Rule"> <rule:name>MBOM_BAAN_QANA_002</rule:name> <r
<rule:Rule guid="913C14D6-1CF7-4A02-8214-BF4CE220324A" xmlns:rule="http://www.sap.com/ICC/Rule"> <rule:name>MBOM_BAAN_QANA_002</rule:name> <r
<rule:Rule guid="913C14D6-1CF7-4A02-8214-BF4CE220324A" xmlns:rule="http://www.sap.com/ICC/Rule"> <rule:name>MBOM_BAAN_QANA_002</rule:name> <r
<rule:Rule guid="913C14D6-1CF7-4A02-8214-BF4CE220324A" xmlns:rule="http://www.sap.com/ICC/Rule"> <rule:name>MBOM_BAAN_QANA_002</rule:name> <r
<rule:Rule guid="913C14D6-1CF7-4A02-8214-BF4CE220324A" xmlns:rule="http://www.sap.com/ICC/Rule"> <rule:name>MBOM_BAAN_QANA_002</rule:name> <r
<rule:Rule guid="913C14D6-1CF7-4A02-8214-BF4CE220324A" xmlns:rule="http://www.sap.com/ICC/Rule"> <rule:name>MBOM_BAAN_QANA_002</rule:name> <r
<rule:Rule guid="913C14D6-1CF7-4A02-8214-BF4CE220324A" xmlns:rule="http://www.sap.com/ICC/Rule"> <rule:name>MBOM_BAAN_QANA_002</rule:name> <r
<rule:Rule guid="913C14D6-1CF7-4A02-8214-BF4CE220324A" xmlns:rule="http://www.sap.com/ICC/Rule"> <rule:name>MBOM_BAAN_QANA_002</rule:name> <r
<rule:Rule guid="913C14D6-1CF7-4A02-8214-BF4CE220324A" xmlns:rule="http://www.sap.com/ICC/Rule"> <rule:name>MBOM_BAAN_QANA_002</rule:name> <r
<rule:Rule guid="913C14D6-1CF7-4A02-8214-BF4CE220324A" xmlns:rule="http://www.sap.com/ICC/Rule"> <rule:name>MBOM_BAAN_QANA_002</rule:name> <r

I did find the table that has the rule GUID and name in the Information Steward Repository.

The problem with this is that if we remove these. You'd need to find everything that's associated with the GUID. It could cause more harm than good.

Maybe we could do this with Query Builder

Rule name	Rule ID	Line Number	GUID	
MBOM_BAAN_OPNO_002 2040_MBOM_IS_MARA_MARC_MAST	1179	42175	6E416DA0-6D81-4162-BA00-164F208ED9FF	79809 rows
MBOM_BAAN_OPNO_003_CORRUPT	1200	67266	1D74C359-91A5-42A7-AE6A-6808D0D88F13	
MBOM_BAAN_QANA_001	1178	42091	F593C758-9848-4323-B934-4B776CBE6945	
MBOM_BAAN_QANA_003	1201	42498	29AD4815-0DE2-493B-8E94-E599A0835E57	
MBOM_BAAN_OPNO_002_CORRUPT				
MBOM_BAAN_QANA_005_CORRUPT	1203	67368	17A0A778-C364-4598-B2F2-140057A54A7F	
MBOM_MM_Phantoms_001_CORRUPT	1205	67438	F8AC804E-9A1F-4352-A8F0-1FF8CE217EF5	
MBOM_MM_Phantoms_002_CORRUPT	1206	67475	062BA10A-4FFC-4152-9402-438CF791941C	
PIR_00_GeneralData_PRDAT_001				
VAL_VEND_00_ADDRESS_CITY1_001				
VAL_VEND_00_ADDRESS_COUNTRY_001				
VAL_VEND_00_ADDRESS_POSTCODE1_002				
VAL_VEND_00_ADDRESS_REGION_001				
VAL_VEND_00_ADDRESS_SORT1_001				
VAL_VEND_00_ADDRESS_SORT2_001				
VAL_VEND_00_ADDRESS_STRAS_001				
VAL_VEND_00_CONTROL_STCD1_002				
VAL_VEND_00_CONTROL_STCD2_002				
VAL_VEND_00_INITIALENTRY_BUKRS_002				
VAL_VEND_00_INITIALENTRY_EKORG_002				
VAL_VEND_00_PURCHASINGDATA_INCO1_001				
VAL_VEND_00_PURCHASINGDATA_INCO2_001				
MATL_Qupiware_Stock_Room_SLOC				

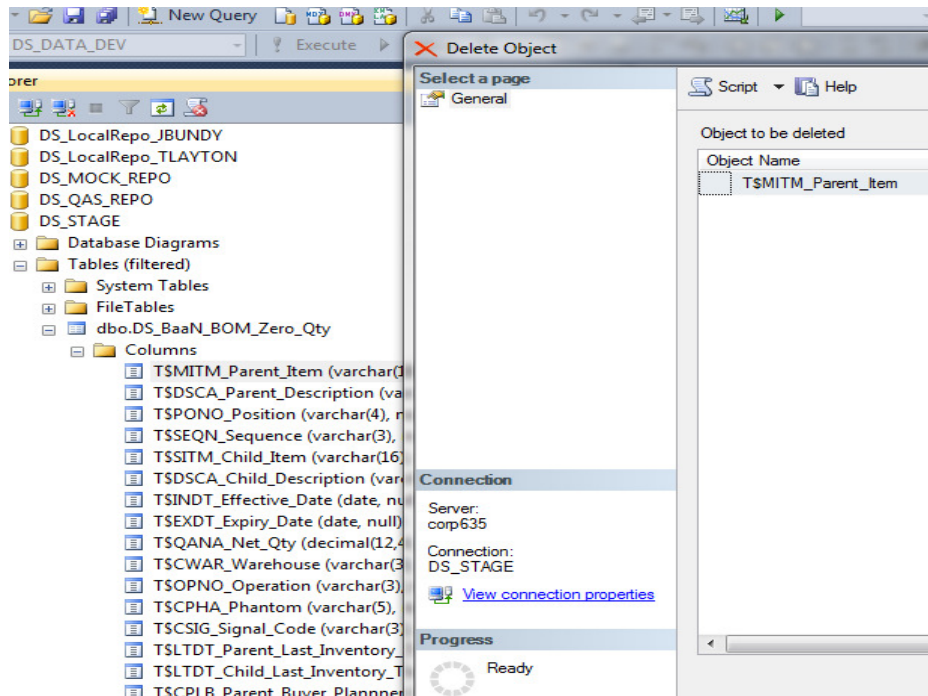So I took it another step and started looking for the actual bind to remove.

I had no luck finding the bindings.

So I think we might need to make an OSS note.

So I thought I'd delete the columns located in the SQL Server. That the rule is bound to if it's not in use by any other rule.

MBOM_BAAN_QANA_002_CORRUPT

<rule:Rule guid="1D74C359-91A5-42A7-AE6A-6808D0D88F13" xmlns:rule="http://www.sap.com/ICC/Rule">

<rule:name>MBOM_BAAN_OPNO_003</rule:name>

<rule:grammar_version>1.0.0</rule:grammar_version>

<rule:description>0 operation on BOMs, excluding phantoms.

Joins to filtered list by parent item.</rule:description>

<rule:Parameters>

<rule:Parameter score="true">

<rule:technical_name>$ITEM</rule:technical_name>

<rule:description/>

<rule:data_type>varchar</rule:data_type>

<rule:content_type>NONE</rule:content_type>

</rule:Parameter>

<rule:Parameter score="true">

<rule:technical_name>$DESCRIPTION</rule:technical_name>

<rule:description/>

```xml
<rule:data_type>varchar</rule:data_type>
<rule:content_type>NONE</rule:content_type>
</rule:Parameter>
<rule:Parameter score="true">
<rule:technical_name>$CPHA</rule:technical_name>
<rule:description/>
<rule:data_type>varchar</rule:data_type>
<rule:content_type>NONE</rule:content_type>
</rule:Parameter>
<rule:Parameter score="true">
<rule:technical_name>$OPNO</rule:technical_name>
<rule:description/>
<rule:data_type>varchar</rule:data_type>
<rule:content_type>NONE</rule:content_type>
</rule:Parameter>
</rule:Parameters>
<rule:ValidationDefinition usage="structured">
<rule:expression>BEGIN RETURN
$OPNO != '0';
END</rule:expression>
<rule:Structured>
<rule:parameter_name>$OPNO</rule:parameter_name>
<rule:operator>NE</rule:operator>
<rule:value>'0'</rule:value>
</rule:Structured>
</rule:ValidationDefinition>
<rule:FilterDefinition usage="structured">
<rule:expression>$CPHA = '2'</rule:expression>
<rule:Structured>
```

```xml
<rule:parameter_name>$CPHA</rule:parameter_name>
<rule:operator>EQ</rule:operator>
<rule:value>'2'</rule:value>
</rule:Structured>
</rule:FilterDefinition>
</rule:Rule>
```