



IMPORT SDM SCENARIO FAILURE TO BLANK DATABASES

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Applies to: LOGFAS versions up to 8.2.0

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IMPORT SDM SCENARIO FAILURE TO BLANK DATABASES

1. GENERAL

When importing in LDM a SDM Scenario file in XML format, that has been exported without the SPM Scenario, multiple failed items will occur. In addition, when importing a SDM Scenario that has been exported with the SPM Scenario the Asset Type row will have a Failed status.

2. SYMPTOMS

When importing a SDM Scenario without the SPM scenario, the Import will fail if the database does not already have the SPM Scenario.

When importing the SDM Scenario including the SPM Scenario, this fails as well but only on one row. The AssetType table will fail to be updated.

3. CAUSE

The SDM Scenario references the SPM Scenario during the import, if this reference does not exist in the database multiple failed items will occur.

Import Status

File Format: SDM: LDM - Export of SDM Scenario

File Version: 800

Action	Table	#Rows	Status
1	SDM_Pipeline_Type	2 Rows	Inserted
2	SDM_Scenario	1 Rows	Failed
3	AssetType	7 Rows	Inserted
4	CargoBay	7 Rows	Inserted
5	AssetTypeCargoBay	7 Rows	Inserted
6	Maritime_Lift_Asset	1 Rows	Inserted
7	Tanker	1 Rows	Inserted
8	Road_Lift_Asset	6 Rows	Inserted
9	Geo_Loc	7 Rows	Inserted
10	Item	41 Rows	Inserted
11	SDM_Tanker	3 Rows	Failed
12	SDM_Tanker_Load	4 Rows	Failed
13	SDM_Pipeline	6 Rows	Failed
14	SDM_Events	19 Rows	Failed
15	SDM_Forces	24 Rows	Failed
16	SDM_Force_AssetType_...	35 Rows	Failed
17	SDM_Reorder_Level	353 Rows	Failed
18	Item	78 Rows	Inserted
19	Storage_Type	3 Rows	Updated
20	CargoBay	17 Rows	Inserted
21	ItemAxle	26 Rows	Inserted
22	ItemHazInfo	42 Rows	Inserted
23	Item_Picture	3 Rows	Inserted
24	ItemCargoBay	17 Rows	Inserted
25	AssetType	6 Rows	Failed

NOTE: Nothing will be saved to the database until you press the commit button.

Commit Rollback

The first table row to fail will be the SDM_Scenario, which checks the database for the SPM Scenario reference.

Datasheet view

ScenarioID	Description	SPM_ScenarioID	MapProject	StartTime	Duration	Timestep	LoggingStep	TaskForceRadius	ForceMovementFuelFactor	Reason for failure
AS_99	BROWNLAND	AS_099	ATLANTIS	24-05-2023 12:25:20	30	1	4	1	1.5	insert or update on table "SDM_Scenario" violates foreign key constraint "UsesSPMScenario"

If this SPM Scenario is not present in the database, it will then cause a cascade effect during the import process.

The second error is when the SDM Scenario is imported with the SPM Scenario or the SPM Scenario is already present in the database. During the import process, the AssetType table will fail to be updated.

Import Status				
File Format: SDM: LDM - Export of SDM Scenario				
File Version: 800				
Action	Table	#Rows	Status	
61	Item	41 Rows	Updated	
62	SDM_Tanker	3 Rows	Inserted	
63	SDM_Tanker_Load	4 Rows	Inserted	
64	SDM_Pipeline	6 Rows	Inserted	
65	SDM_Events	19 Rows	Inserted	
66	SDM_Forces	24 Rows	Inserted	
67	SDM_Force_AssetType_...	35 Rows	Inserted	
68	SDM_Reorder_Level	353 Rows	Inserted	
69	Item	65 Rows	Inserted	
70	Item	13 Rows	Updated	
71	Storage_Type	3 Rows	Updated	
72	CargoBay	2 Rows	Inserted	
73	CargoBay	15 Rows	Updated	
74	ItemAxle	4 Rows	Inserted	
75	ItemAxle	22 Rows	Updated	
76	ItemHazInfo	29 Rows	Inserted	
77	ItemHazInfo	13 Rows	Updated	
78	Item_Picture	3 Rows	Updated	
79	ItemCargoBay	2 Rows	Inserted	
80	ItemCargoBay	15 Rows	Updated	
81	AssetType	6 Rows	Failed	
82	CargoBay	6 Rows	Updated	
83	AssetTypeCargoBay	6 Rows	Updated	
84	Road_Lift_Asset	6 Rows	Updated	
85	SDM_Item_AssetType	78 Rows	Inserted	

NOTE: Nothing will be saved to the database until you press the commit button.

Commit Rollback

4. WORKAROUND

a. Importing a SDM Scenario without a SPM Scenario

If the SDM Scenario is exported to a XML file without the SPM Scenario, the SPM Scenario must be exported also if the target database does not include it. The SPM Scenario must be imported before the SDM Scenario is imported in the target database.

b. AssetType Table Failed Status

The SDM Scenario import will still have the failed AssetType table.

Import the SDM Scenario and Commit the import if only the AssetType has a Failed status.

Import the SDM Scenario again, this time the AssetType table will be updated.

Import Status				
File Format: SDM: LDM - Export of SDM Scenario				
File Version: 800				
Action	Table	#Rows	Status	
57	CargoBay	7 Rows	Updated	
58	AssetTypeCargoBay	7 Rows	Updated	
59	Maritime_Lift_Asset	1 Rows	Updated	
60	Tanker	1 Rows	Updated	
61	Road_Lift_Asset	6 Rows	Updated	
62	Item	41 Rows	Updated	
63	SDM_Tanker	3 Rows	Updated	
64	SDM_Tanker_Load	4 Rows	Updated	
65	SDM_Pipeline	6 Rows	Updated	
66	SDM_Events	19 Rows	Updated	
67	SDM_Forces	24 Rows	Updated	
68	SDM_Force_AssetType_...	35 Rows	Updated	
69	SDM_Reorder_Level	353 Rows	Inserted	
70	Item	78 Rows	Updated	
71	Storage_Type	3 Rows	Updated	
72	CargoBay	17 Rows	Updated	
73	ItemAxle	26 Rows	Updated	
74	ItemHazInfo	42 Rows	Updated	
75	Item_Picture	3 Rows	Updated	
76	ItemCargoBay	17 Rows	Updated	
77	AssetType	6 Rows	Updated	
78	CargoBay	6 Rows	Updated	
79	AssetTypeCargoBay	6 Rows	Updated	
80	Road_Lift_Asset	6 Rows	Updated	
81	SDM_Item_AssetType	78 Rows	Updated	

NOTE: Nothing will be saved to the database until you press the commit button.

Commit Rollback

5 RESOLUTION

This problem has been fixed for LOGFAS 9.0.0 in the AssetType table.