# Execute SSIS package failed with permission issue

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### Contents

## SME

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## Symptoms

**Error code:** UserErrorConnectSsisDBFailure
**Error message**: Operation on SSISDB failed with error: The SELECT permission was denied on the object 'operations', database 'SSISDB', schema 'internal'.

## Kusto Query

```
ExecutionApiCall
| where ActivityId == "b238371b-cfb6-4b39-bd05-ce99357ac80f" <Replace ActivityId>
// | where SubscriptionId == "ff643ad9-ac83-4a4d-beef-1f4414d96a0f"
// | where DataFactoryName == "Customer360Dev"
| where ExecutionType == "ExecuteSSISPackage"
| where * contains "The SELECT permission was denied on the object "
| project TIMESTAMP, SubscriptionId, DataFactoryName, ActivityId, ErrorCode, ErrorMessage
```

## Cause

SSIS use **AzureIntegrationServiceDbo** and **AzureIntegrationServiceWorker** built-in users assign to **ssis_admin\ssis_sys_worker** built-in roles to manage the SSISDB. **The error imply customer is messing up his SSISDB by somehow revoking the permissions of AzureIntegrationServiceDbo or AzureIntegrationServiceWorker**, please check with customer whether he once modify role permission on SSISDB manually.

## Resolution

1. Restart SSIS IR should fix the issue. Because restart SSIS IR will reassign role to built-in two users.

2. If start SSIS IR failed with NoActiveWorker and AisWorkerTraceEvent has "*The EXECUTE permission was denied on the object 'machine_property_list_type'*" exceptions.

```
AisManagementTaskTelemetryEvent
| where  irName == "ir-cw-tt-ssis-dev-uks-01" and dataFactoryName contains "adf-cw-tt-sqltest-dev-uks-01"
| where errorCode == "NoWorkerNodeActive"
```

```
AisWorkerTraceEvent
| where  irName == "ir-cw-tt-ssis-dev-uks-01" and dataFactoryName contains "adf-cw-tt-sqltest-dev-uks-01"
| where message contains "The EXECUTE permission was denied on the object 'machine_property_list_type'"
```

The error imply customer messing up their SSISDB by somehow revoking the permission of ssis_admin\ssis_sys_worker role. The customer need fix the permission of these roles by run below provision script in the SSISDB. ProvisionToV30.0.sql

3. If above two solution can not fix their issue, you can suggest them try drop SSISDB and restart SSIS IR.

## More Information

You can advise customer to do not change any permission of those built-in roles/users.

## Sample cases

https://teams.microsoft.com/l/message/19:ded07bb7845a463f99c1d81fa75558c0@thread.skype/1677679393164?tenantId=72f988bf-86f1-41af-91ab-2d7cd011db47&groupId=97f0bf0e-fe36-422a-9083-3e59230b5715&parentMessageId=1677679393164&teamName=ADF - CSS Collaboration (For ADF CSS and PG only)&channelName=Elite Customer Escalation&createdTime=1677679393164&allowXTenantAccess=false ⧉

Kamil Weissgerber (MINDTREE LIMITED): Ava 2211030050001092 cx is unable to sta... ↗

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