1. Added common HL7 projects ,schemas and developed custom pipelines and Orchestration

Solution 'Inteview.BTAHL7' (6 projects)
    External Libraries
▷  Misc
▷  SQL
▷  **Interview.BizTalk.ADT.Common.Orchestrations**
▷  Interview.BizTalk.ADT.Common.Schemas
▷  Interview.BizTalk.BTAHL7V25Common.Pipelines
▷  Interview.BizTalk.BTAHL7V25Common.Schemas
▷  Interview.BizTalk.BTAHL7V2X.Common
▷  Interview.BizTalk.HL7.SQL.Schemas
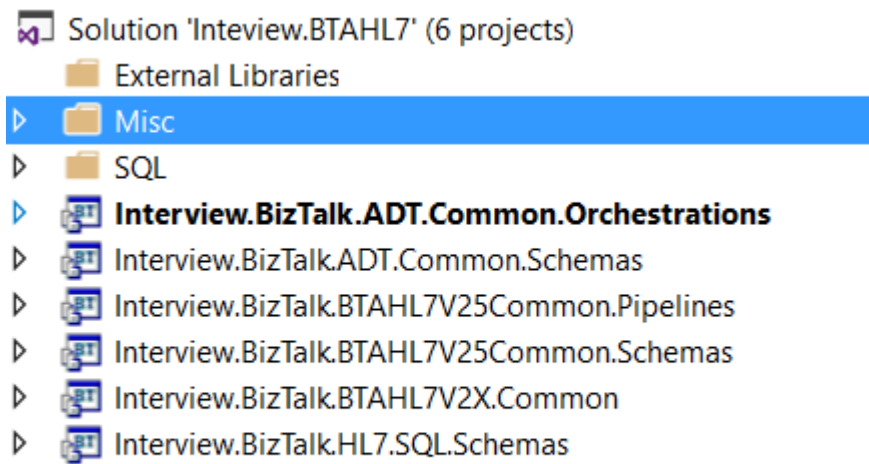
2. Configured Sender and receiver parties  in BTAHL7ConfigurationExplorer
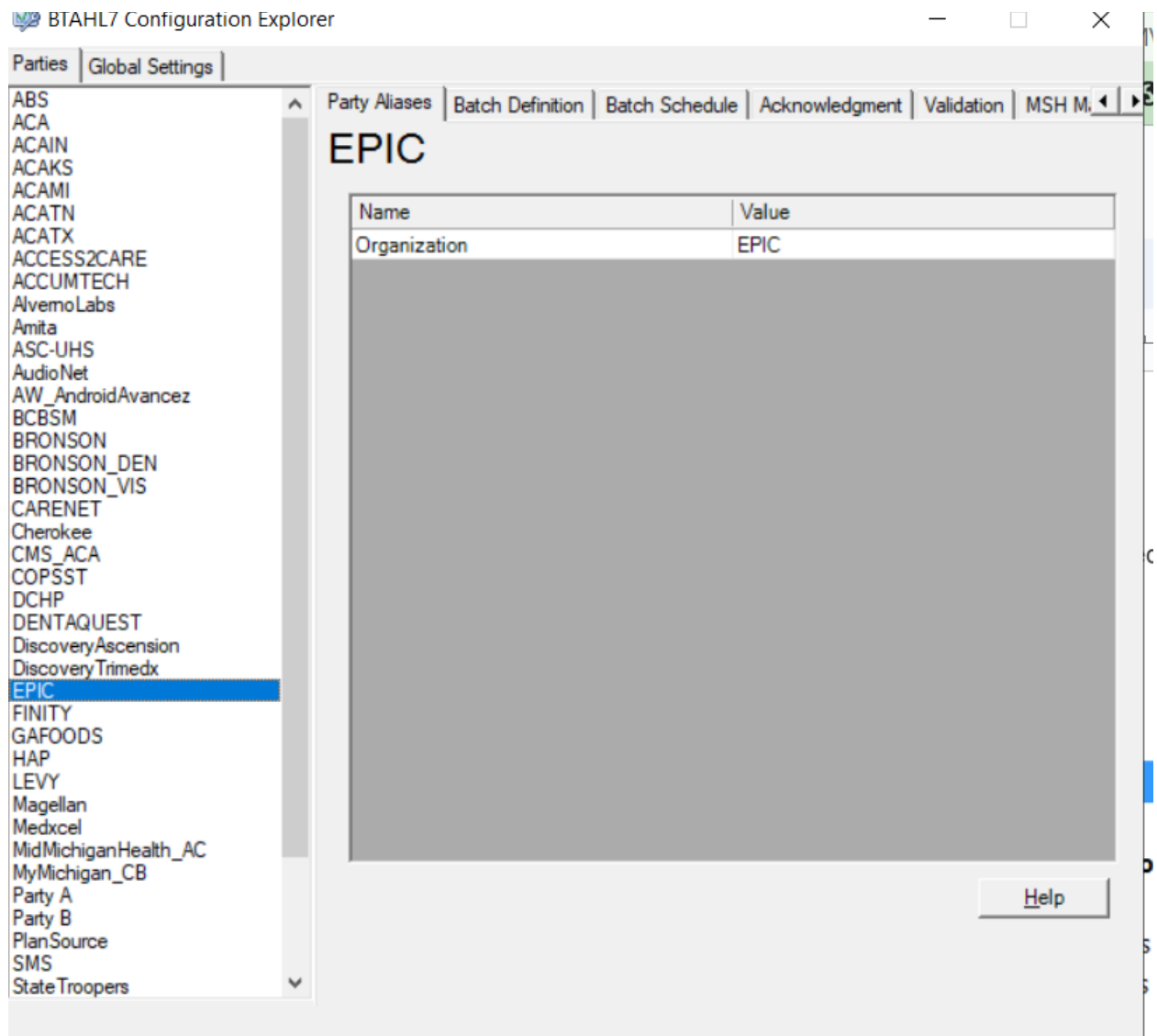
3. Developed SQL objects and consumed in the BizTalk

```
    -------------------------------------------------------------------------------
*/

CREATE PROCEDURE [dbo].[SP_BTS_SET_PATIENT_HL7](
    @Sending_Facility   VARCHAR(50),
    @Message_Type       VARCHAR(10),
    @Patient_ID         VARCHAR(50))

AS
BEGIN

    SET NOCOUNT ON
    SET XACT_ABORT ON
    BEGIN TRY    /*  BEGIN TRY CATCH */
        BEGIN TRAN
                INSERT INTO [dbo].[Patient](Sending_Facility,Message_Type,Patient_ID,Load_
                VALUES(@Sending_Facility,@Message_Type,@Patient_ID,GETDATE())
        COMMIT TRAN;
    END TRY
BEGIN CATCH
         IF @@TRANCOUNT > 0 ROLLBACK TRAN;
        BEGIN   /*  Log Exception */

        declare @Error varchar(100)
                    SET @Error =    'Transaction rolled back' +
```

4. Workflow designed for HL7 message processing and database insertion.

5. Deployed BizTalk common HL7 and custom artifacts and created receive and send ports for pick files from the local folder and send to the database.

> BizTalk HL7 Application
> Interview.HL7Test

| Name | Status | URI | Transport Type | Receive Port | Receive Handler | Application |
|------|--------|-----|----------------|--------------|-----------------|-------------|
| RL_Receive_ADT04_File | Enabled | C:\Kapil\Technical\... | FILE | RP_Receive_ADT... | BizTalkServerApplic... | Interview.HL7Tes |

| Name | Status | URI | Transport Type | Handler | Application |
|------|--------|-----|----------------|---------|-------------|
| SP_HL7_WCF_SQL | Started | mssql://.//Interview? | WCF-Custom | BizTalkServerApplication | Interview.HL7Test |

7 . The test file downloaded from the link below has a few problems that have been corrected

and Processed..
https://blog.interfaceware.com/hl7-message-components/"

60 %

Results | Messages

| | Sending_Facility | Message_Type | Patient_ID | Load_DateTime |
|---|------------------|--------------|------------|----------------|
| 1 | EPICADT | ADT_A04 | 0493575 | 2023-05-10 00:43:03.563 |