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Problem

KnowledgeLake requires a table and process to populate AP Checks into the table. The KnowledgeLake service will query the new table for check number, lookup associated meta-data then populate the status column in the new table with “Complete”.

Process

To Do: Create table to store check details and status column

```
CREATE TABLE marlon_test.kl_ap_checkhis (
checknum char(9) not null,
checkdate (smalldatetime, null)
status (varchar(20), null)
);
```

To Do: Create database link between KNLDB and FPDB

```
EXEC master.dbo.sp_addlinkedserver
@server = N'HCD-VMS-FPDB',
@srvproduct=N'SQL Server'
GO
```

To Do: Create a stored procedure to extract records from AP Check view to populate kl_ap_checkhis table

```
CREATE PROCEDURE AddChecks_proc
AS
BEGIN
        SET NOCOUNT ON;
        INSERT INTO kl_ap_checkhis (checknum, checkdate)
        SELECT CheckNum, CheckDate
        FROM [HCD-VMS-FPDB].[finplus51].[dbo].[v_kl_ap_checks] kac
        WHERE NOT EXISTS (SELECT checknum, checkdate FROM kl_ap_checkhis kac2
                WHERE kac2.checknum = kac.CheckNum and kac2.checkdate=kac.CheckDate)
END;
GO
```

To Do: Create a DB job to call the stored procedure at a set interval or the execute can be called from the knowledgelake cron job

To keep the entire process within the database we can create a sqlserver job that calls the stored procedure using the TSQL command:

```
EXEC dbo.AddChecks_proc
go
```

That job can be scheduled to run daily which will only update the new table with AP checks that currently do not exist in the table.