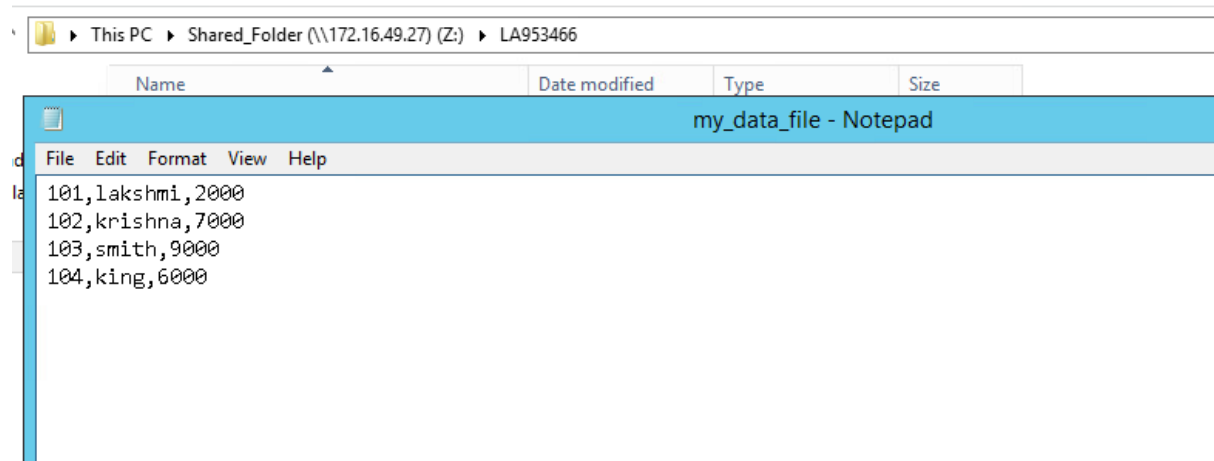


1. Connect to a flat file from the shared folder and load the entire data into another flat file. Perform this by creating a new file and import an existing file for target.



2. Connect to Database table Emp from Scott schema and load the data into another table within the same schema. Perform this by creating new table and using an existing table for target.

Before:



After:



Expression Transformation : ➤ Consider the emp table as your dataset and perform the following and load into a

flat file target. ➤ First 3 characters of name and job each to be concatenated under name\_job

variable. ➤ Netsal to be calculated as the sum of salary and commission. Avoid the impact of

null values. ➤ Trace the week of the year into week\_year variable.

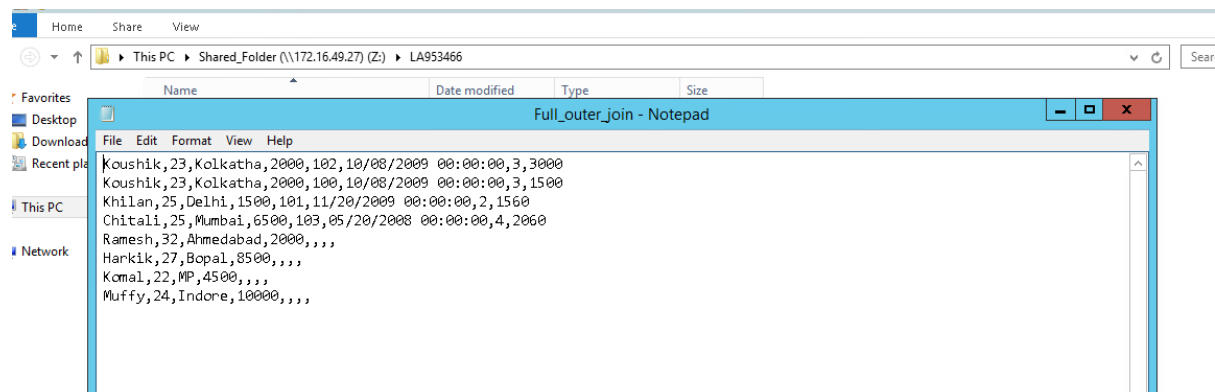
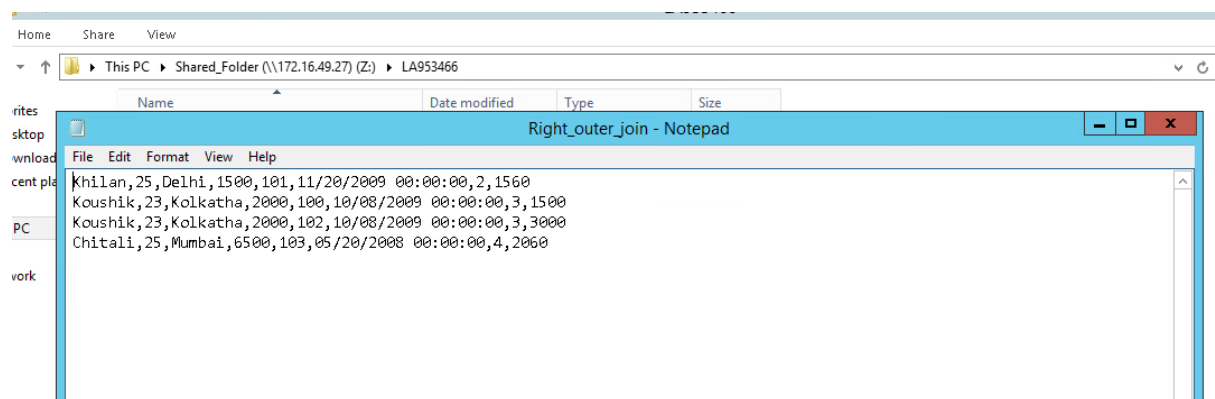
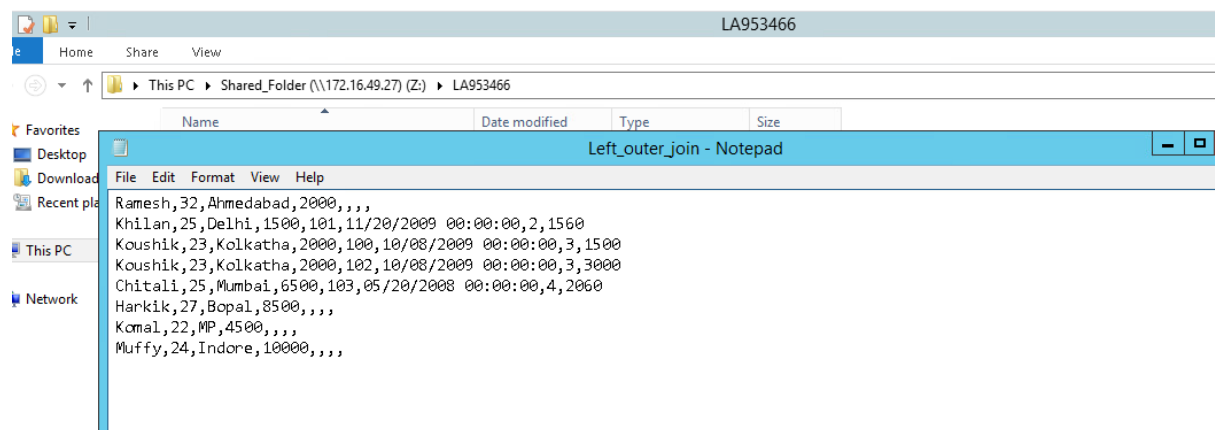
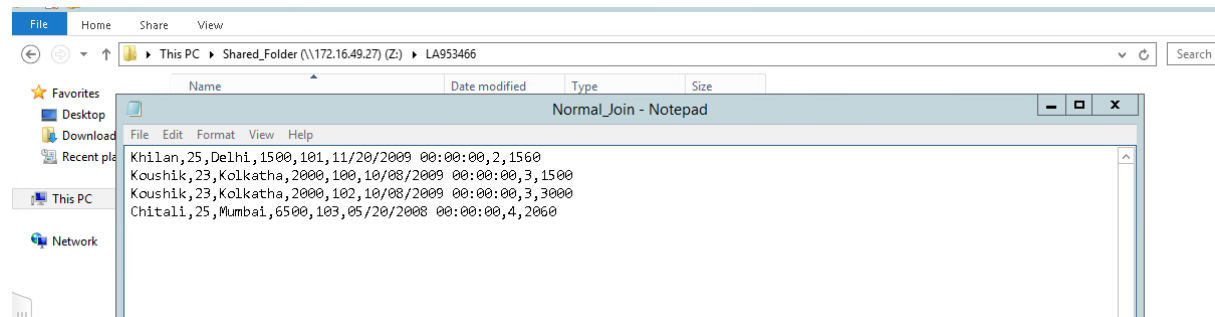
Command Prompt - sqplus

```
SQL> select * from t_exp;
```

EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO	NAME_JOB	NET_SAL	WEEK_YEAR
7369	SMITH	CLERK	7902	17-DEC-80	800	0.00000000	20	SMICL	800	51
7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	0.30000000	30	ALLSAL	1900	8
7521	WARD	SALESMAN	7698	22-FEB-81	1250	0.50000000	30	WARSAL	1750	8
7566	JONES	MANAGER	7839	02-APR-81	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000	0.00000000
2975					2975		20	JONMAN	2975	14
7654	MARTIN	SALESMAN	7698	28-SEP-81	1250	0.14000000	30	MARSAL	2650	39
7698	BLAKE	MANAGER	7839							

## Joiner Transformation:

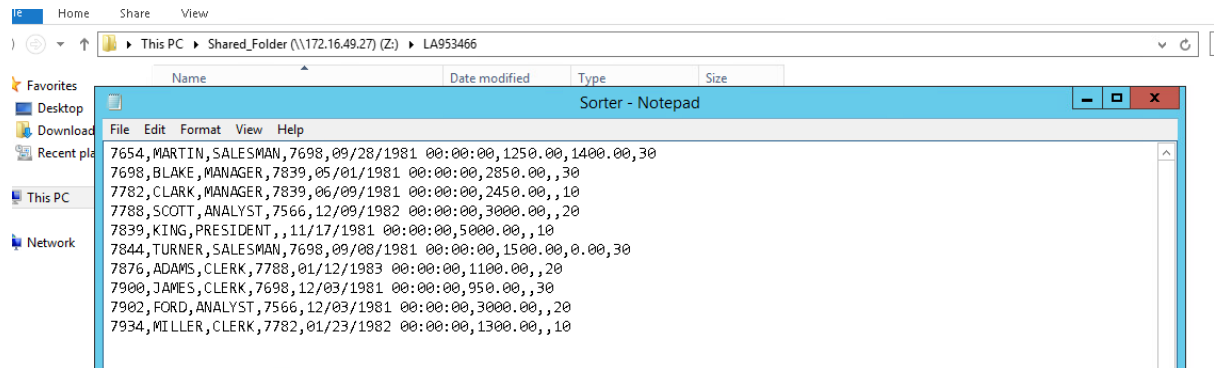
Use the following datasets as sources and perform Normal Join , Left outer join , Right outer join , Full outer join and load the targets at individual flat files.



Sorter: 1. Perform the following assignments using emp table. Demobld.sql script file is

available in shared folder of VDI for emp, dept, salgrade tables along with data 2. Develop a mapping to load the target with only last 10 rows (sorted ascending) of

emp table based on empno.

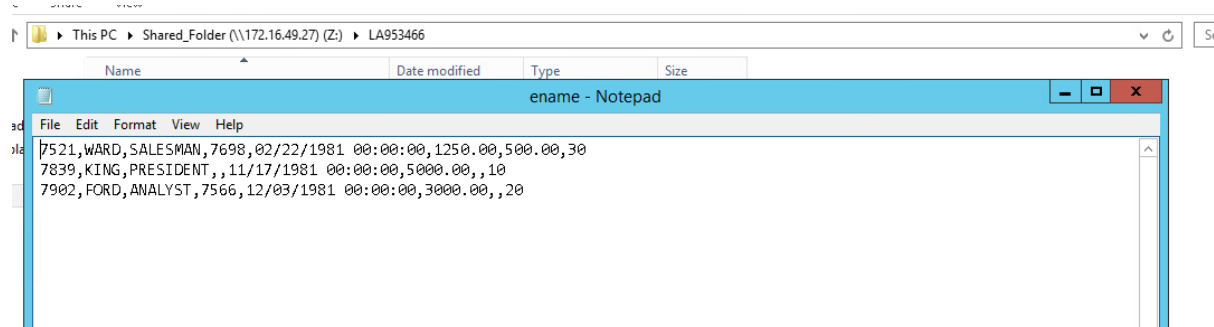
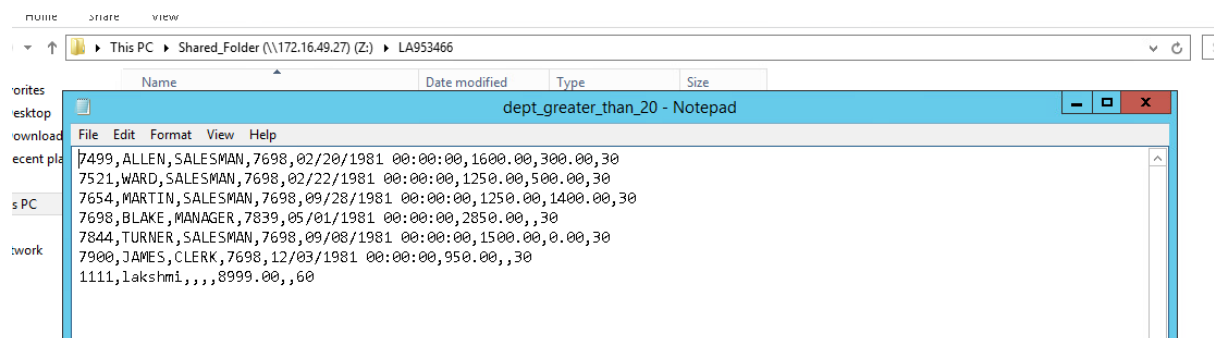


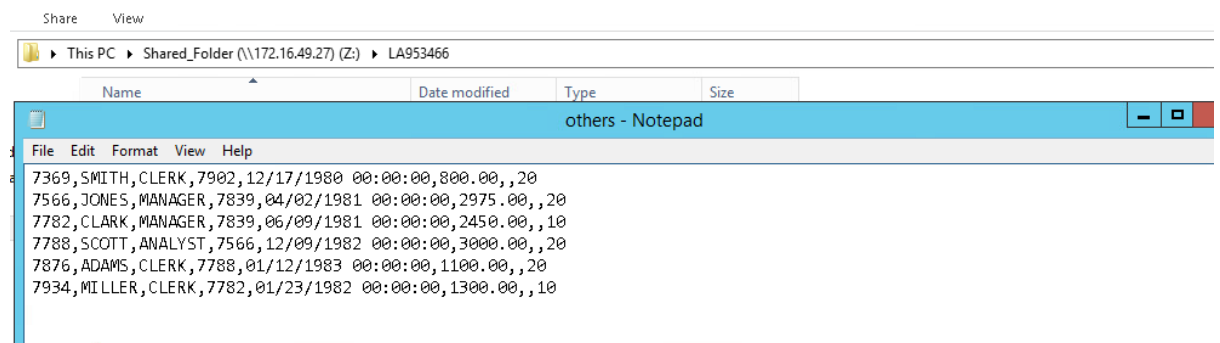
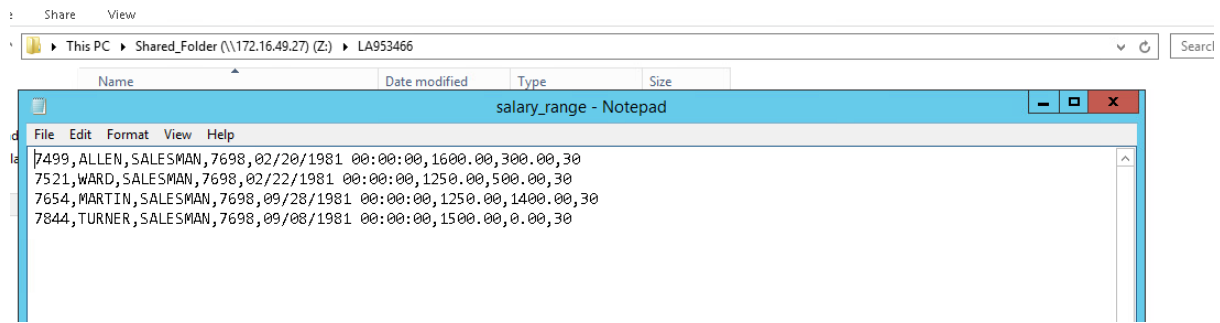
Router:

Consider Emp table and perform the following and load into flat file targets.

a. Deptno >20 b. ename length = 4 c. Netsal ( sal + comm) <4000

If none of the above criteria is true, such rows to be placed in others.txt

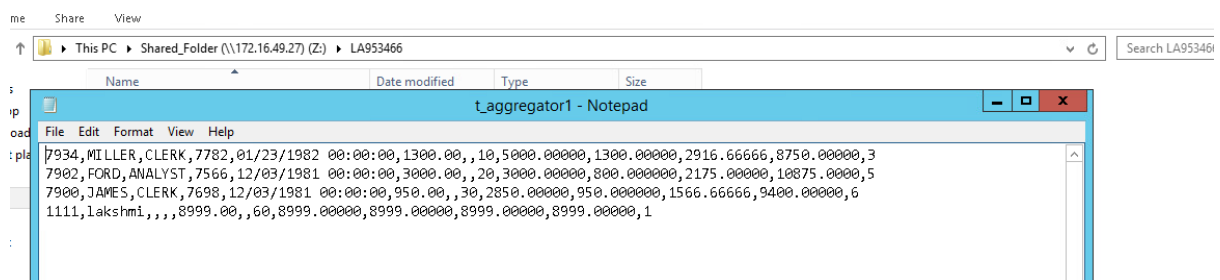




## Aggregator:

i) Consider Deptno, sal from emp table and load aggregates as

mentioned below. ii) Load Max, min, sum, avg, count of salary . iii) Above aggregates categorized by deptno



Lookup:

a) Consider the emp and dept as sources. b) Perform lookup operation to consolidate above 2 tables and

load into a database file.

```
20, RESEARCH, DALLAS, 7369, SMITH, CLERK, 7902, 12/17/1980 00:00:00, 800.00,
30, SALES, CHICAGO, 7499, ALLEN, SALESMAN, 7698, 02/20/1981 00:00:00, 1600.00, 300.00
30, SALES, CHICAGO, 7521, WARD, SALESMAN, 7698, 02/22/1981 00:00:00, 1250.00, 500.00
20, RESEARCH, DALLAS, 7566, JONES, MANAGER, 7839, 04/02/1981 00:00:00, 2975.00,
30, SALES, CHICAGO, 7654, MARTIN, SALESMAN, 7698, 09/28/1981 00:00:00, 1250.00, 1400.00
30, SALES, CHICAGO, 7698, BLAKE, MANAGER, 7839, 05/01/1981 00:00:00, 2850.00,
10, ACCOUNTING, NEW YORK, 7782, CLARK, MANAGER, 7839, 06/09/1981 00:00:00, 2450.00,
20, RESEARCH, DALLAS, 7788, SCOTT, ANALYST, 7566, 12/09/1982 00:00:00, 3000.00,
10, ACCOUNTING, NEW YORK, 7839, KING, PRESIDENT, , 11/17/1981 00:00:00, 5000.00,
30, SALES, CHICAGO, 7844, TURNER, SALESMAN, 7698, 09/08/1981 00:00:00, 1500.00, 0.00
20, RESEARCH, DALLAS, 7876, ADAMS, CLERK, 7788, 01/12/1983 00:00:00, 1100.00,
30, SALES, CHICAGO, 7900, JAMES, CLERK, 7698, 12/03/1981 00:00:00, 950.00,
20, RESEARCH, DALLAS, 7902, FORD, ANALYST, 7566, 12/03/1981 00:00:00, 3000.00,
10, ACCOUNTING, NEW YORK, 7934, MILLER, CLERK, 7782, 01/23/1982 00:00:00, 1300.00,
,, 1111, lakshmi, ,, , 8999.00,
```

Sequence generator: i) Consider emp table, load into a target along with a new

variable SNO with a sequence of value. ii) This value should be capable of being a key element.

```
1, 7369, SMITH, CLERK, 7902, 12/17/1980 00:00:00, 800.00, , 20
2, 7499, ALLEN, SALESMAN, 7698, 02/20/1981 00:00:00, 1600.00, 300.00, 30
3, 7521, WARD, SALESMAN, 7698, 02/22/1981 00:00:00, 1250.00, 500.00, 30
4, 7566, JONES, MANAGER, 7839, 04/02/1981 00:00:00, 2975.00, , 20
5, 7654, MARTIN, SALESMAN, 7698, 09/28/1981 00:00:00, 1250.00, 1400.00, 30
6, 7698, BLAKE, MANAGER, 7839, 05/01/1981 00:00:00, 2850.00, , 30
7, 7782, CLARK, MANAGER, 7839, 06/09/1981 00:00:00, 2450.00, , 10
8, 7788, SCOTT, ANALYST, 7566, 12/09/1982 00:00:00, 3000.00, , 20
9, 7839, KING, PRESIDENT, , 11/17/1981 00:00:00, 5000.00, , 10
10, 7844, TURNER, SALESMAN, 7698, 09/08/1981 00:00:00, 1500.00, 0.00, 30
11, 7876, ADAMS, CLERK, 7788, 01/12/1983 00:00:00, 1100.00, , 20
12, 7900, JAMES, CLERK, 7698, 12/03/1981 00:00:00, 950.00, , 30
13, 7902, FORD, ANALYST, 7566, 12/03/1981 00:00:00, 3000.00, , 20
14, 7934, MILLER, CLERK, 7782, 01/23/1982 00:00:00, 1300.00, , 10
15. 1111. lakshmi, , , 8999.00. , 60
```

Filter:

a) Read the emp table of the scott schema and load only those

records into the target table where the sal value is less than

3000 and load other rows into another target. b) Workflow monitor: At workflow monitor perform the following: c) Provide the session log and workflow log for a given job d) Provide the gantt chart for the given workflow.

The screenshot shows a file explorer window with the path 'This PC > Shared\_Folder (\\172.16.49.27) (Z:) > LA953466'. Two Notepad files are open:

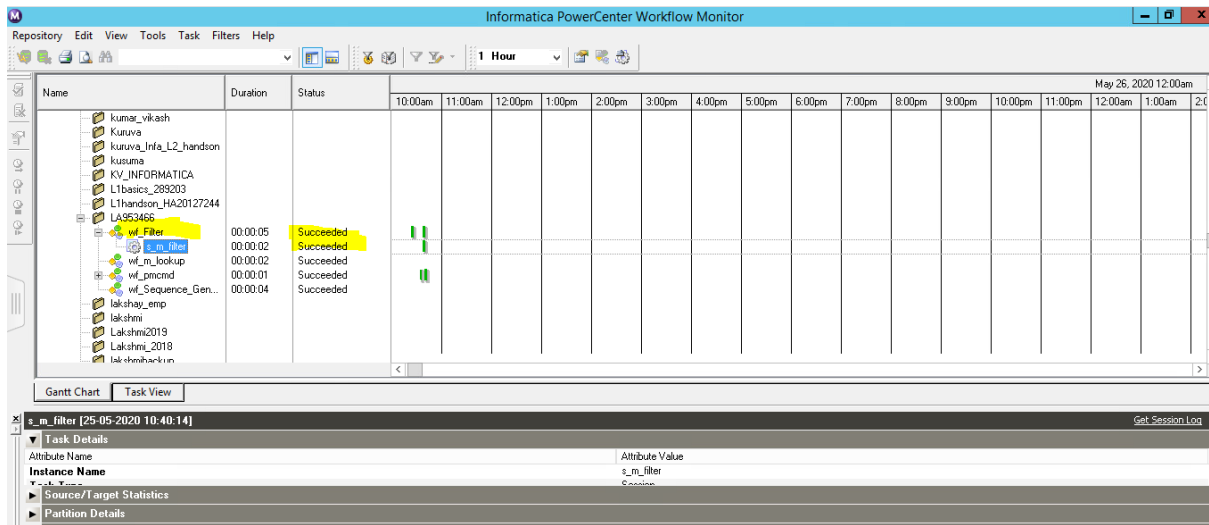
- sal\_less\_3000 - Notepad**: Contains a list of employee records with columns: EMPID, NAME, JOB, SAL, COMM, and a date. Records include SMITH, ALLEN, WARD, JONES, MARTIN, BLAKE, CLARK, TURNER, ADAMS, JAMES, and MILLER.
- sal\_great\_3000 - Notepad**: Contains two records: KING (PRESIDENT) and Lakshmi (SALESMAN).

Workflow Log:

The screenshot shows a 'Workflow\_log - Notepad' window with a detailed log of a workflow execution. The log includes the following information:

- Severity**: INFO
- Timestamp**: 22-05-2020 09:55:20
- Node**: node01
- Thread**: 496
- Message Code**: LM\_36435
- Message**: Starting execution of workflow [wf\_Filter] in folder [LA953466] last saved by user [Infra\_developer4]. Workflow wf\_Filter started with run id [21617], run instance name [], run type [Concurrent Run Disabled] service level [SLPriority:5,SLDispatchWaitTime:1800]. Workflow started. Clients will be notified.
- Start task instance [Start]: Execution started.**
- Link [Start --> s\_m\_filter]: empty expression string, evaluated to TRUE.**
- Session task instance [s\_m\_filter] is waiting to be started.**
- Session task instance [s\_m\_filter]: started a process with pid [10776] on node [node01].**
- Session task instance [s\_m\_filter]: Execution started.**
- Session task instance [s\_m\_filter]: [TM\_6793 Fetching initialization properties from the Integration S**
- Session task instance [s\_m\_filter]: [DISP\_20305 The [Preparer] DTM with process id [10776] is running**
- Session task instance [s\_m\_filter]: [PETL\_24036 Beginning the prepare phase for the session.]**
- Session task instance [s\_m\_filter]: [TM\_6721 Started [Connect to Repository].]**
- Session task instance [s\_m\_filter]: [TM\_6722 Finished [Connect to Repository]. It took [0.187446] sec**
- Session task instance [s\_m\_filter]: [TM\_6794 Connected to repository [TG\_InfraTraining\_Rep] in domain [**
- Session task instance [s\_m\_filter]: [TM\_6721 Started [Fetch Session from Repository].]**
- Session task instance [s\_m\_filter]: [TM\_6722 Finished [Fetch Session from Repository]. It took [0.156**
- Session task instance [s\_m\_filter]: [TM\_6721 Started [Partition Group Formation].]**
- Session task instance [s\_m\_filter]: [TM\_6722 Finished [Partition Group Formation]. It took [0.0156221**
- Session task instance [s\_m\_filter]: [PETL\_24037 Finished the prepare phase for the session.]**
- Session task instance [s\_m\_filter]: [TM\_6792 Notifying the Integration Service that the prepare phase**
- Session task instance [s\_m\_filter]: Execution succeeded.**
- Workflow [wf\_Filter]: Execution succeeded.**

## Gantt Chart:



## Session Log:

The Session Log provides detailed information about the session initialization and execution. Key messages include:

- Initializing session [s\_m\_filter] at [Fri May 22 09:55:21 2020].
- Repository Name: [TG\_InfaTraining\_Rep]
- Server Name: [New\_Infa\_Intservice]
- Folder: [LA953466]
- Workflow: [wf\_Filter] Run Instance Name: [] Run Id: [21617]
- Mapping name: m\_filter.
- Date format for the Session is [MM/DD/YYYY HH24:MI:SS.US]
- Using configuration property [EnableDataEncryption,no]
- Using configuration property [StoreHAPersistenceInDB,no]
- Session [s\_m\_filter] is run by 64-bit Integration Service [node01], version [10.1.1 HotFix1], build [0]
- Thread [MANAGER] has the ID [1].
- Running Partition Group [1].
- Parallel Pipeline Engine initializing.
- Thread [MONITOR] has the ID [2].
- Parallel Pipeline Engine running.
- Initializing session run.
- Thread [MAPPING] has the ID [3].
- Server Mode: [ASCII]
- Server Code page: [MS Windows Latin 1 (ANSI), superset of Latin1]
- The session sort order is [Binary].
- Using low precision processing.
- Deadlock retry logic will not be implemented.
- Session target-based commit interval is [10000].
- DTM error log disabled.
- TSMWriter: Initialized
- DTM initialized successfully for session [s\_m\_filter]
- All DTM Connection Info: [<NONE>].
- Starting pre-session tasks. : (Fri May 22 09:55:21 2020)
- Thread [PRE-SESS] has the ID [4].

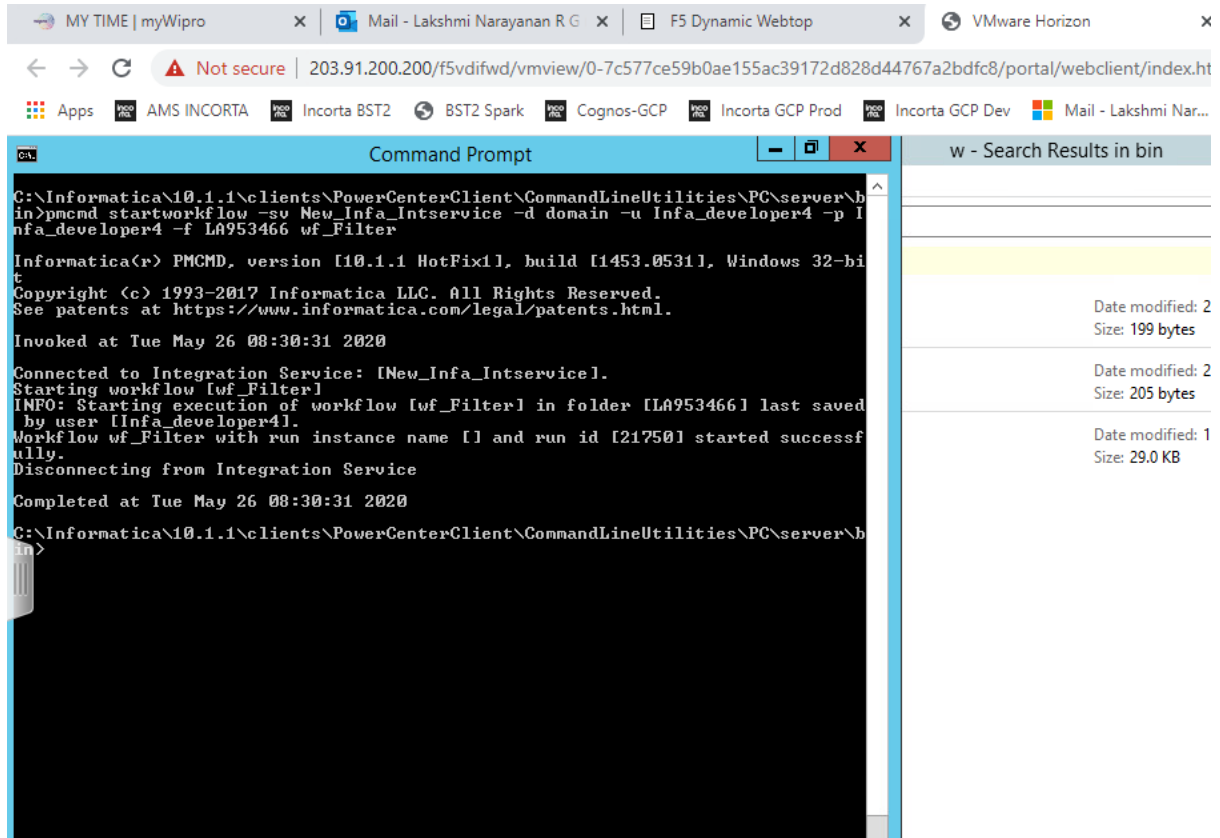


Pmcmd:

Run a job from the command line using integration service,

repository service, current folder and workflow name. Try to place

this in a batch file at command line and execute.



The screenshot shows a web browser window with multiple tabs: 'MY TIME | myWipro', 'Mail - Lakshmi Narayanan R G', 'F5 Dynamic Webtop', and 'VMware Horizon'. The address bar shows a URL starting with '203.91.200.200/f5vdfwd/vmview/0-7c577ce59b0ae155ac39172d828d44767a2bdfc8/portal/webclient/index.ht'. Below the browser, a Windows Command Prompt window is open, displaying the following text:

```
C:\Informatica\10.1.1\clients\PowerCenterClient\CommandLineUtilities\PC\server\bin>pmcmd startworkflow -sv New_Infa_Intservice -d domain -u Infa_developer4 -p Infa_developer4 -f LA953466 wf_Filter

Informatica(r) PMCMD, version [10.1.1 HotFix1], build [1453.0531], Windows 32-bit
Copyright (c) 1993-2017 Informatica LLC. All Rights Reserved.
See patents at https://www.informatica.com/legal/patents.html.

Invoked at Tue May 26 08:30:31 2020

Connected to Integration Service: [New_Infa_Intservice].
Starting workflow [wf_Filter]
INFO: Starting execution of workflow [wf_Filter] in folder [LA953466] last saved by user [Infa_developer4].
Workflow wf_Filter with run instance name [] and run id [21750] started successfully.
Disconnecting from Integration Service

Completed at Tue May 26 08:30:31 2020

C:\Informatica\10.1.1\clients\PowerCenterClient\CommandLineUtilities\PC\server\bin>
```

To the right of the Command Prompt, a search results pane titled 'w - Search Results in bin' is visible, showing three entries with their dates and sizes:

Date modified	Size
2	199 bytes
2	205 bytes
1	29.0 KB