



Project Plan: Migration from Old Server to VM Linux Informix

Update 2/17/2020

Row Num	Tasks	Description	Estimated hours	Staff Category	Planned Start Date	Finished Date	Complete Date	Assigned To	Complete Status	Status Comments
1	1. Migration Project Planning									
2		Review the current Informix Server Configurations	8	Principal DBA						
		Run informixcheck.sh scrip to collect data		Principal DBA						
		Load the data into Excel Worksheets		Principal DBA						
		Identify Job Streams for Parallel loads based on usage		Principal DBA						
		Identify ONCONFIG changes for New Server		Principal DBA						
3		Plan New Linux VM Configurations	16	Principal DBA						
		Identify and plan VM Configuration Settings		Principal DBA						
		Identify and Size the Filesystems		Principal DBA						
		Identify and Size the Space for Informix DBSpaces		Principal DBA						
		Identify the Kernal Configuration Changes		Principal DBA						
		Identify the temp filesystem for Import/Export Data		Principal DBA						
		Identify and define the Backup method		Principal DBA						
		Identify Linux software to install and additional packages		Principal DBA						
		Identify and define printers to install		Principal DBA						
		Identify and define the ports for Informix Connections		Principal DBA						
4	2. Migrate First Test/Development - Goal is to run and unit test all scripts in single thread run									
5		Develop scripts to export and import data and capture QA metrics	16	Principal DBA						
		Create onpload jobs scripts for the unload - 1 per table		Principal DBA						
		Create onpload job streams script		Principal DBA						
		Create the external table scripts for the load - 1 per table		Principal DBA						
		Create the load job stream		Principal DBA						
		Create the QA scripts to count rows and sum key dollar amounts		Principal DBA						
		Create script - createdb		Principal DBA						
		Create script - create_tables		Principal DBA						
		Create script - create_tables_large_parallel		Principal DBA						
		Create script - create_external		Principal DBA						
		Create script - create_permissions		Principal DBA						
		Create script - create_procedures		Principal DBA						
		Create script - create_synonyms		Principal DBA						
		Create script - create_triggers		Principal DBA						
		Create script - create_indexes		Principal DBA						
		Create script - create_indexes_large_parallel		Principal DBA						
		Create the create and load job stream		Principal DBA						
6		Export the data from the Informix Server and capture QA metrics	16	Senior DBA						
		Restore a backup of production on to a test system		MN Sysadmin						

Row Num	Tasks	Description	Estimated hours	Staff Category	Planned Start Date	Finished Date	Complete Date	Assigned To	Complete Status	Status Comments
		Mount a Temp unload filesystem		MN Sysadmin						
		Run the unload scripts and collect times and logs		Senior DBA						
		Run the QB count scripts to collect data for comparisons		Senior DBA						
		Log and record all times		Senior DBA						
7		Develop scripts to configure the New Linux VM Server	8	Principal DBA						
		Create New ONCONFIG file		Principal DBA						
		Create New SQLHOSTS file		Principal DBA						
		Create script to make rootdbs and dbspace links		Principal DBA						
		Create script to initialize the new server		Principal DBA						
		Create script to make the physical log		Principal DBA						
		Create script to make the logical logs		Principal DBA						
		Create script to make the temp dbspace		Principal DBA						
		Create script to make the sysadmin dbspace		Principal DBA						
		Create script to make the data dbspaces		Principal DBA						
		Create script to make the blob/sbspaces		Principal DBA						
		Create script to make the index dbspaces		Principal DBA						
		Create script to make the autoextensible dbspaces		Principal DBA						
8		Setup and configure the New Linux VM Server	4	Principal DBA						
		Create the new VM Linux Server		MN Sysadmin						
		Configure the base OS and Filesystems		MN Sysadmin						
		Create VM Configuration Settings		MN Sysadmin						
		Create Filesystems		MN Sysadmin						
		Create Space for Informix DBSpaces		MN Sysadmin						
		Create Kernel Configuration Changes		MN Sysadmin						
		Create temp filesystem for Import/Export Data		MN Sysadmin						
		Create Backup System		MN Sysadmin						
		Install additional Linux software		MN Sysadmin						
		Define printers to install		MN Sysadmin						
		Define the ports for Informix Connections		MN Sysadmin						
		Install Informix Software		MN Sysadmin						
		Execute setup scripts to configure new Informix Server		Principal DBA						
9		Import the data to the New Server and create Database	24	Senior DBA						
		Execute script - createdb.sql		Senior DBA						
		Execute script - create_tables.sql		Senior DBA						
		Execute script - create_tables_large_parallel.sql		Senior DBA						
		Execute script - create_external		Senior DBA						
		Execute script - load base tables		Senior DBA						
		Execute script - load large tables		Senior DBA						
		Execute script - create_permissions		Senior DBA						
		Execute script - create_procedures		Senior DBA						
		Execute script - create_synonyms		Senior DBA						
		Execute script - create_triggers		Senior DBA						
		Execute script - create_indexes		Senior DBA						
		Execute script - create_indexes_large_parallel		Senior DBA						
10		Test and QA check of the data on the New Server	8	Senior DBA						
		Execute the QA scripts to count rows and sum key dollar amounts		Senior DBA						

Row Num	Tasks	Description	Estimated hours	Staff Category	Planned Start Date	Finished Date	Complete Date	Assigned To	Complete Status	Status Comments
		Review QA scripts results		Senior DBA						
11		End-User Acceptance Test of New Server	0	MN Staff						
12		Refine import/export scripts and configuration for next execution	16	Senior DBA						
13	3. Migrate the Next Test/Development Server - Goal is to stress test all scripts in parallel and validate production times									
14		Develop and refine process and detailed implementation plan	8	Principal DBA						
		Create parallel script process for final testing		Principal DBA						
15		Export the data from the Informix Server and capture QA metrics	8	Senior DBA						
		Restore a backup of production on to a test system		MN Sysadmin						
		Mount a Temp unload filesystem		MN Sysadmin						
		Run the unload scripts and collect times and logs		Senior DBA						
		Run the QB count scripts to collect data for comparisons		Senior DBA						
		Log and record all times		Senior DBA						
16		Setup and configure the New Linux VM Server	4	Principal DBA						
		Create the new VM Linux Server		MN Sysadmin						
		Configure the base OS and Filesystems		MN Sysadmin						
		Create VM Configuration Settings		MN Sysadmin						
		Create Filesystems		MN Sysadmin						
		Create Space for Informix DBSpaces		MN Sysadmin						
		Create Kernel Configuration Changes		MN Sysadmin						
		Create temp filesystem for Import/Export Data		MN Sysadmin						
		Create Backup System		MN Sysadmin						
		Install additional Linux software		MN Sysadmin						
		Define printers to install		MN Sysadmin						
		Define the ports for Informix Connections		MN Sysadmin						
		Install Informix Software		MN Sysadmin						
		Execute setup scripts to configure new Informix Server		Senior DBA						
17		Import the data to the New Server	24	Senior DBA						
		Execute script - createdb.sql		Senior DBA						
		Execute script - create_tables.sql		Senior DBA						
		Execute script - create_tables_large_parallel.sql		Senior DBA						
		Execute script - create_external		Senior DBA						
		Execute script - load base tables		Senior DBA						
		Execute script - load large tables		Senior DBA						
		Execute script - create_permissions		Senior DBA						
		Execute script - create_procedures		Senior DBA						
		Execute script - create_synonyms		Senior DBA						
		Execute script - create_triggers		Senior DBA						
		Execute script - create_indexes		Senior DBA						
		Execute script - create_indexes_large_parallel		Senior DBA						
18		Test and QA check of the data on the New Server	8	Senior DBA						
		Execute the QA scripts to count rows and sum key dollar amounts		Senior DBA						
		Review QA scripts results		Senior DBA						
19		End-User Acceptance Test of New Server	0	MN Staff						
20		Refine import/export scripts and configuration for next execution	8	Senior DBA						
21	4. Migrate the Production Server									
22		Review and refine process and detailed implementation plan	8	Principal DBA						

Row Num	Tasks	Description	Estimated hours	Staff Category	Planned Start Date	Finished Date	Complete Date	Assigned To	Complete Status	Status Comments
23		Export the data from the Informix Server and capture QA metrics	16	Senior DBA						
		Mount a Temp unload filesystem		MN Staff						
		Run the unload scripts and collect times and logs		Senior DBA						
		Run the QB count scripts to collect data for comparisons		Senior DBA						
		Log and record all times		Senior DBA						
24		Setup and configure the New Linux VM Server	8	Principal DBA						
		Create the new VM Linux Server		MN Sysadmin						
		Configure the base OS and Filesystems		MN Sysadmin						
		Create VM Configuration Settings		MN Sysadmin						
		Create Filesystems		MN Sysadmin						
		Create Space for Informix DBSpaces		MN Sysadmin						
		Create Kernal Configuration Changes		MN Sysadmin						
		Create temp filesystem for Import/Export Data		MN Sysadmin						
		Create Backup System		MN Sysadmin						
		Install additional Linux software		MN Sysadmin						
		Define printers to install		MN Sysadmin						
		Define the ports for Informix Connections		MN Sysadmin						
		Install Informix Software		MN Sysadmin						
		Execute setup scripts to configure new Informix Server		Senior DBA						
25		Import the data to the New Server	24	Senior DBA						
		Execute script - createdb.sql		Senior DBA						
		Execute script - create_tables.sql		Senior DBA						
		Execute script - create_tables_large_parallel.sql		Senior DBA						
		Execute script - create_external		Senior DBA						
		Execute script - load base tables		Senior DBA						
		Execute script - load large tables		Senior DBA						
		Execute script - create_permissions		Senior DBA						
		Execute script - create_procedures		Senior DBA						
		Execute script - create_synonyms		Senior DBA						
		Execute script - create_triggers		Senior DBA						
		Execute script - create_indexes		Senior DBA						
		Execute script - create_indexes_large_parallel		Senior DBA						
26		Test and QA check of the data on the New Server	8	Senior DBA						
		Execute the QA scripts to count rows and sum key dollar amounts		Senior DBA						
		Review QA scripts results		Senior DBA						
27		End-User Acceptance Test of New Server	0	MN Staff						
28		Review performance of New Production Server	8	Senior DBA						
29	5. Post Migration Handover Training and Support as Needed									
30		Post Migration Support - Senior DBA	16	Senior DBA						
31		Post Migration Support - Principal DBA	16	Principal DBA						
32	* NOTE:	Level of effort will depend on the performance of the hardware and the size of the database								