Pseudo Live Project (PLP)

- Trainees have to perform it as a group activity
- Trainees have to capture the screenshot of the activity they are performing and prepare a document

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1. Logon and Screen Design

Task: Logging on to the System and Initial Tasks

Log on to the training system and perform following tasks:
The menu paths refer to the SAP standard menu.

1. Start the SAP Logon program and create a new entry according to the information given by your instructor. Choose the *Logon* pushbutton.

   Enter the client, user name, initial password, and logon language supplied by the instructor. When you log on for the first time, enter a new password of your choice twice in the window that appears.

2. What is the maximum number of parallel sessions (windows of the SAP system) that you can open using *System → Create Session*? What is the parameter to set number of sessions ?

3. What is the name of the function you reach if you choose *Tools → Administration → Monitor → System Monitoring → User Overview*? What transaction code could you use to call this transaction instead of the menu?

2. Calling Functions

Task 1: Various Ways of Calling Up the User Overview

Who is currently logged on to the training system?

1. Call the transaction for displaying a list of users who are logged on. Select from the SAP standard menu *Tools → Administration → Monitor → System Monitoring → User Overview*.

2. Quit the user overview by using either the F3 key or the *Back* button in the standard toolbar. Now enter **`sm04`** in the command field on the *SAP Easy Access* screen. This takes you directly to the user overview.

Task 2: Creating a Favorites Menu

1. Save often-used transactions in a favorites menu.

   RSPFPAR, SEARCH_SAP_MENU, SEARCH_USER_MENU

3. Can you distinguish between favorites' entries by the method used to insert them?

4. Create a folder with the title *Search Options* in which you can store both search transactions.

5. Find out how often and where in the SAP menu the transaction for the user overview is stored.

Transaction	Path in the SAP menu
SM04	
SM04	
SM04	

Task 3: Using F1 and F4 Help

Use the technical information of the F1 help.

1. Find out in which table of your SAP system the transaction codes are stored. To do so, use the dialog input field for entering a start transaction, here: *SAP Easy Access Extras → Set start transaction*.

3. Structure of an Instance

Determine the number of instances of which your SAP system consists. Start in AS ABAP.

1. Which instance are you currently working with?
2. Which (AS ABAP) instances does your system have? Which services are offered there? What is the central instance of the system?
3. Which AS Java instances does your system have? Which work processes are running there?
4. About which instance and which processes have you not seen any information so far?

4. Update Processing

Display the update records to be processed in your SAP system client.

1. Call transaction SM13 (update requests) and select all update records for your client. If you come across a defective update record, display the short dump for it.

5. Printing

Print out the list of work processes.

1. Call transaction SM50 and print the list.
2. Display your own spool requests and generate an output request from the spool request.

6. Dialog Processing

Use transaction SM50 to answer the following questions

1. How many dialog work processes are there on the instance that you are logged on to?
2. Choose Refresh several times in the process overview. Are your queries always processed by the same work process?

7. Update Processing

Call transaction SM13 (update requests) and select all update records for your client. If you come across a defective update record, display the short dump for it.

8. Background Processing

Differentiate between executing a report in the dialog and executing it in the background; schedule the execution of a simple job.

1. In transaction SA38 (System → Services→ Reporting) select report RSUSR000 in dialog mode.
2. Use transaction SA38 to execute report RSUSR000 in the background. Display the result of the job.

9. Java Startup and Control Framework

List down the processes of the Startup and Control Framework at operating system level. List down their functions

10. Logs of the Start and Stop Processes of SAP NetWeaver AS Java

1. Name the most important logs for the start/stop processes of an SAP NetWeaver AS Java
2. Open the most important log files (see task 1) and perform a time-based search for errors.

11. Configuration of System Parameters

1. Determine the values of the following system parameters:
2. Name of the application server, number of work processes on the central instance (dialog, batch, enqueue, update, spool), maximum runtime of a program in the dialog.

12. Maintaining the System Parameters

1 Import all the profiles into your SAP system.

2. Change the values of the following parameters:

   Increase the number of dialog work processes for the dialog instance by 2.

   Set the value for the maximum runtime of a process step to 750 seconds. To do this, you may need to add a new parameter to a profile.

3. Consider the profiles in which you are making changes. Save and activate your changes.
4. Check your changes in the profile files at operating system level.

13. Setting up Operation Modes

1. Create operation modes
2. Schedule operation modes
3. Manually activate operation mode

14. Accessing and Editing ABAP Repository Objects

1. Write a short ABAP program and Business Server Page
2. Display table structures and contents in the ABAP stack
3. Release a task in the Transport Organizer

15. Administration of the ICM

1. How many ICM processes are running in your SAP system?
2. Determine the port through which requests in the HTTP protocol are processed for the application server to which you are currently logged on
3. Which release of the ICM is used on the training system?

16. Administrative Work with the ICF

1. Activate the ICF service /sap/bc, including all subservices.
2. Check whether the integrated ITS is active.
3. Verify that the ICF service */sap/bc/gui/sap/its/webgui* is active and intended for calling the GUI.
4. Start the SAP GUI for HTML from transaction SICF

17. Working with Roles

1. Create, copy, and modify roles and assign them to users

18. System Monitoring

1. Evaluate and process alerts in the Alert Monitor

19. Create Your Own Monitors

1. Create your own monitor set, System Monitoring
2. Evaluate core_information that displays the most important system monitoring data.

20. Properties Variants of Monitors

1. Create your own properties variant, TEST, in your SAP system. Activate your properties variant
2. Maintain the threshold values for a monitoring attribute in your monitor
3. Activate the "*" properties variant in transaction RZ21. What has happened to the threshold values for the MTE that you set in task 2?

21. Trace Options

1. Use trace options in the SAP system to analyze the problem if errors occur
2. Use the transactions for the various trace functions

22. Planning the Installation

1. Choose Parameters
2. Install the JDK
3. Execute the Prerequisite Checker
4. Check Windows File System
5. Reduce Size of File Cache
6. Check Installation User

23. SAP License

1. Check the installed license

24. Perform Initial ABAP Configuration

1. Perform post-installation actions in transaction SE06.
2. Configure TMS.
3. Import all profiles into SAP ERP Central Component.
4. Change the values of the parameters related to the number of work processes (rdisp/wp_no_*). For example, enter twice the number for dialog and batch work processes
5. Set up operation modes.
6. Maintain a timetable for operation mode.
7. Schedule the standard background jobs
8. Perform the installation check.
9. Activate the SAP ERP Central Component extension set.
10. Check SAP Load Generator
11. Patching the kernel

25. Describe why SPAM update is necessary

26. Describe SPDD and SPAU transaction usage

27. Setting Up the Transport Management System (TMS) (verification)

1. Review the transport domain configuration
2. Review transport routes
3. Verify the technical setup of the Transport Management System (TMS)

28. Transport Requests for Customizing

1. For each group, a project named P_GROUP_##
2. Activate the CTS functions for your project. Assign some transport requests of type customizing to your project.

29. Customizing Procedure

1. Execute the transaction to access your project and perform the necessary customizing activities for the implementation.
2. From the Transport Organizer, review the content of the task of your customizing transport request and release the task
3. Release and export the entire transport request to the transport system

30. Transport Requests for Development

1. Create a workbench transport request and assign it to a project.
2. Create a package

31. Customer Development

1. Create a new ABAP program
2. Release your workbench task and transport request.
3. Change the program, you created. Then export the corresponding transport request.
4. Create a local object and later reassign it to a package for transporting
5. Restoring a Repository object from a previous version
6. Analyze the attributes of Repository objects using the Transport Organizer Tools

32. Modifying SAP Objects

1. Modify an SAP Repository object
2. Modifying an ABAP Dictionary object.

33. Imports Using TMS

1. Describe import process and use of tools to import change requests

34. QA Approval Procedure

1. Work with the Quality Assurance (QA) worklist and QA history
2. Perform the Quality Assurance (QA) procedure

35. Import Process

1. Describe function of import dispatcher RDDIMPDP
2. Describe steps to verify the scheduling of the import dispatcher RDDIMPDP in system

36. Monitoring Tools

1. Analyze problems that occur while importing transport requests
2. Follow the steps for using transport log files for troubleshooting

37. Client Copy and Client Transport Tools

1. Describe client copy and client transport tools

38. Client Compare and Maintenance Tools

1. Explain process to Compare Customizing across clients
2. Explain process to Maintain Customizing across clients

39. SAP Note Assistant, Support packages

1. Explain functions of SAP note assistant
2. Explain Support Package, Support Package Stakes and Patch
3. Explain procedure to apply each

40. Oracle Environment Variables

1. Explain the importance of Oracle environment variables

41. Database Administration Tools

1. Explain BR*Tools
2. Explain Brconnect, Brspace, Brarchive tools

42. Backup Strategy

1. Create a proper backup strategy based on the following business scenario

   Technical specifications:

   The planned size of the database is roughly 100 GB. A maximum of 50 online redo log files of 20 MB are expected to be written daily. Three tape devices are available and each can write or read up to 6 GB per hour. The tapes have a capacity of 40 GB. It takes, on average, three minutes to apply an offline redo log file during the recovery.

   Strategy: An online backup is performed every night. Three tapes are reserved for each night. The database administrator performs a backup of the offline redo log files daily, and deletes the offline redo log files from disk afterwards.

   Is this a good backup strategy?

   Can a full restore be performed in 8.5 hours?

   What is the significance for an instance recovery if the error that led to the restore and recovery operation occurred during a long background processing job without a commit?

43. Performing Backups

1. Explain different types of backup options available
   e.g. Online, Offline, Whole, Full, Incremental and Partial

44. Restore and Recovery

1. Explain complete database recovery
2. Explain a point-in-time recovery
3. Explain a database reset

45. Oracle Data Management

1. Explain tablespace types
2. Check the values of the following parameters:
   DB_BLOCK_BUFFERS.
   DB_CACHE_SIZE.
3. Estimate good start values for SGA_MAX_SIZE and DB_CACHE_SIZE