Systems, Applications & Products in Data Processing

Project Report Is Submitted In Partial Fulfillment Of The Requirement For The Degree Of

Bachelor Of Technology

In

BIOTECHNOLOGY



Submitted By:

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Project Work Completed Under Supervised Guidance At Dxc Technology Private Limited.

То

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Declaration By Candidate

I hereby declare that the work presented in this report entitled "Systems, Applications & **Products in Data Processing**" in partial fulfillment of the requirements for the award of the degree of **Bachelor of Technology** in Biotechnology submitted in the department of **Biotechnology**, Jaypee University of Information Technology, Waknaghat in an authentic record of my own work, to the best of my knowledge and belief, it contains no material previously published or written by another person nor material which has been accepted for the award of any other degree or diploma of the university or other institute of higher learning, except where due acknowledgment has been made in the text.

Ishita (171828)

This is to certify that the above statement made by the candidate is true to the best of my knowledge.

Dr. Udaya Bhanu, M. Assistant Professor (Grade-II) Department of Biotechnology & Bioinformatics Dated: 26th May, 2021

Acknowledgment

This project consumed a huge amount of work, research and dedication. Nonetheless, without the kind guidance and help of a few friends, this would not have been possible and I would like to express my deepest appreciation to all of them. I would like to take this opportunity to extend my profound and heartfelt appreciation to my supervisors, **Dr. Udayabanu, M.** and **DXC Technology** for their helpful counsel, inspiring ideas, invaluable encouragement, assistance and support in completing this project successfully.

I am also extremely thankful to all my colleagues who helped and supported me with their skills, guidance and invaluable suggestions as well.

Project Report Undertaking

I Mr. /Ms. Ishita Roll No. 171828 Branch Biotechnology is doing my internship with DXC TECHNOLOGY from 15.02.2021 to 24.04.2021

As per procedure I have to submit my project report to the university related to my work that I have done during this internship.

I have compiled my project report. But due to COVID-19 situation my project mentor in the company is not able to sign my project report.

So I hereby declare that the project report is fully designed/developed by me and no part of the work is borrowed or purchased from any agency. And I'll produce a certificate/document of my internship completion with the company to TnP Cell whenever COVID-19 situation gets normal.

Tate

Signature:

Name: Ishita

Roll No. 171828

Date: 26th May, 2021

<u>Abstract</u>

Systems, Applications & Products in Data Processing is the most generally utilized ERP programming, with many completely incorporated modules that cover pretty much every feature of corporate administration. SAP represents Systems Applications and Products in Data Processing, and it is an ERP program. SAP is both the name of the firm and the name of the ERP (Enterprise Resource Planning) programming. It is a worldwide programming organization situated in Germany that makes endeavor programming to oversee corporate activities and client connections. SAP is the world's third biggest programming firm. As far as market capitalization, it comes third behind Microsoft and IBM. The organization is particularly known for its ERP programming which was Founded in 1972 as a private association named System Analysis and Software Development.

Systems, Applications & Products in Data Processing programming arrangements are successful devices for assisting organizations with dealing with their accounts, coordinations, HR, and different parts of their activities. The SAP ERP framework, which is the most impressive Enterprise Resource Planning(ERP) framework by and by accessible, is the foundation of SAP's product portfolio. They make programming to assist organizations with dealing with their tasks and customer associations. In the ERP market, SAP is viewed as the undisputed pioneer. In the year 2010, SAP has around 140,000 establishments all through the world, more than 25 industry-explicit business arrangements, and more than 75,000 clients in 120 nations. Prophet, Microsoft Dynamics, and other SAP Software contenders are accessible.

CHAPTER 1: SAP BASIS

Business Application Systems Integrated Solutions (BASIS) is a SAP abbreviation that represents Business Application Systems Integrated Solutions. All SAP applications are overseen by SAP BASIS, which is an innovative Step. Low-level administrations, for example, data set correspondence are highlighted in SAP applications, just as undeniable level apparatuses for end clients and executives. Premise is a bunch of SAP middleware projects and advances that fill in as a connection between data sets, working frameworks, and applications, for example, FI and MM and so forth.

SAP BASIS is the key framework programming that empowers applications like Finance Accounting, Production Planning, Sales and Distribution, SAP EWM, and different modules to perform proficiently. SAP BASIS is a middleware application that shows the contrast between SAP's engineering, organization, and working framework. RDBMS, GUI, CCMS, and other huge framework organization segments make SAP BASIS. The SAP Basic Component is the premise of SAP Applications and ERP programming, and it incorporates the CCMS (Computer Center Management System) that is needed for the framework of the board. SAP BASIS is an administration framework for SAP framework assignments like establishment, arrangement, load adjusting, and execution observing of SAP applications. It is the solitary interface definition in the middle of BASIS and the framework parts, client/framework organization, information word reference and advancement Step for SAP based applications.

1.1Features of SAP Basis:

SAP Basis has a few highlights, for example, -

- Information base organization is worried about the advancement of different application activities and data set observing.
- Framework organization fills in as a connection between the Basis and System segments, with an emphasis on the advancement Step and the information word reference.

- Client Administration Provides an assortment of devices to help clients in overseeing activities like arrangement, establishment, update, and investigating.
- Security Administration Ensures the security of SAP frameworks by incorporating the approval module, which defends the situation against possible penetrations, information control, and different dangers. Customer Server Architecture Based on SAP R/3's continuous design. These layers each have their own arrangement of capacities that permit SAP applications to work.
- SAP GUI portrays the framework's graphical UI (GUI) segments. GUI for Windows, GUI for Java, and GUI for HTML are regularly utilized interfaces.
- 1.2 Tasks and Functionalities of SAP Basis:

SAP Basis can deal with the beneath undertakings and functionalities -

- Apparatuses for approval and profile the board are utilized to check that all clients have the fitting access advantages.
- To make online stores and gateways, use business worker pages.
- All SAP frameworks and applications should be introduced and designed.
- CCMS (Computing Center Management System) is utilized to monitor R/3 alarms.
- framework from a particular framework
- The plan and arrangement of a customer worker framework. Using devices to screen and oversee data sets.
- Planning a graphical UI for the show layer.
- Overseeing assets.
- Information reinforcement and rebuilding.
- Enhancement of execution
- Investigating is the way toward distinguishing and settling issues.
- Controls the execution of group occupations.
- ABAP and JavaScript worker side prearranging. Instruments are utilized to screen and oversee the framework.
- SAP's transportation board framework should be designed (TMS).

CHAPTER 2:

System Landscape & Architecture

The SAP framework scene is an assortment of SAP workers. A three-framework scene is ideal in a Sap climate. The Development Server (Dev), Production Server (PROD), and Quality Assurance Server (QA) make up a framework scene (QAS).

Rather than the framework scene, SAP Architecture is described as a specialized establishment for SAP frameworks that changes over the long run. With new programming, for example, SAP ECC 6.0, the SAP design is created.

The accompanying shows the solicitation in SAP System Landscape -

Advancement >>>> Quality >>>> PRODUCTION

The accompanying picture addresses the SAP three level framework scene in which the work processes from Dev > QAS > PROD. This doesn't happen the retrogressive way.



Sandbox Server

Right when an undertaking is first done, a sandbox laborer is utilized to execute the sum of the customization and plan. At that point, save the plan on the progression specialist and store it in workbench requests, which should then be moved to the creation laborer.

Sandbox Server

At the point when a task is first carried out, a sandbox worker is used to execute the entirety of the customization and arrangement. Then, save the design on the advancement worker and store it in workbench demands, which should then be moved to the creation worker.

SERVER IN PRODUCTION

At the point when a task is underway/goes live, you may consider it the last or most cleaned Step where the work is finished. The entirety of the adjustments that the client requires are made in the DEV climate, and afterward the solicitation is moved to creation.

2.1 SAP System 3 – Tier Architecture

The picture given underneath shows the 3-level engineering of the SAP framework. The show layer is the highest one. The show layer contains the gadget/application that controls the SAP framework. This can incorporate cell phones, end-client frameworks or SAP GUI, or internet browser-based customers.

Exactly when an endeavor is in progress/goes live, you may think of it as the last or most cleaned Step where the work is done. The aggregate of the changes that the customer requires are made in the DEV environment, and a while later, the sales are moved to creation



SAP System 3 – Tier Architecture

The image given under shows the 3-level plan of the SAP structure. The show layer is the most elevated one. This contains the device/application to control the SAP structure. This can fuse phones, end customer structures or SAP GUI or web program based clients.

- The Presentation layer interfaces with the application worker, which is the mind of a SAP framework, to do all preparing.
- A three-level engineering's application worker consists of numerous occasions that interface with the data set layer.
- The data set layer is at the lower part of the stack. This is responsible for putting away the entirety of the information. For speed and security reasons, SAP's data set is housed on a different worker.
- The show layer is composed of numerous ABAP and JAVA parts that permit information to be sent and handled in the SAP framework.

Coming up next are the absolute most significant components of the show layer:

- The Message Server in the ABAP framework is utilized to organize correspondence between conveyed dispatchers.
- The Message Server is the place where worker cycles and JAVA dispatchers are overseen. It's utilized to monitor JRE's correspondence.
- Various work measure types are put away in the Dispatcher Queue.
- The dispatcher is utilized to convey solicitations to the different work measures.
- Memory Pipes is a component that permits ICM and ABAP work cycles to speak with one other.
- The sensible locks set up by the run Java application program are taken care of by the Enqueue Server.

Systems, Applications & Products in Data Processing ECC 6.0 ides SR2 foundation will be done generally in 20 hours with the above plan. The foundation time can be diminished further by updating hardware configuration like quad 2 focus processor with 8 GB hammer and 1 TB Hard Disk Drive.

CHAPTER 3

Systems, Applications & Products in Data Processing ECC 6.0 installation

To instal SAP ECC 6.0, follow these Steps:

Step 1: Install the database as needed. The minimum requirement is Java JDK 1.4. Run SAPinst.exe after copying the programme to your local disc. The wizard for setting up your computer will appear.

	- 244			THE CONTRACT OF A DECEMBER
COMPACIN		File Folder	12/10/2013 7:43 PM	
COMOS		File Folder	12/10/2013 7:43 PM	
CRMS2		File Folder	12/10/2013 7:43 PM	
CE8905		File Folder	12/10/2013 7:43 PM	
SAC CO		File Folder	12/10/2013 7:43 PM	
ONTPATCH		File Folder	12/10/2013 7:43 PM	
CONHOIS .		File Folder	12/10/2013 7:43 PM	
SCM05		File Folder	12/10/2013 7:43 PM	
SOLMAN40		File Folder	12/10/2013 7:43 PM	
SAM05		File Folder	12/10/2013 7:42 PM	
CSRM60		File Polder	12/10/2013 7:42 PM	
C TRANS		File Folder	12/10/2013 7:42 PM	
🚍 catalog.dtd	318	DTD File	12/18/2006 3:24 AM	A
LAREL ASC	188	ASCFIe	12/18/2006 3:24 AM	A
messages.dtd	210	DTD File	12/18/2006 3:24 AM	A
🖅 messages.xml	684 KB	3ML Document	12/18/2006 3:24 AM	A
MTCLUST.SAR	1,654 KB	SAR File	12/18/2006 3:24 AM	A
product.catalog	3,190 KB	CATALOG File	12/18/2006 3:24 AM	A
resourcepool.xml	534 KB	3ML Document	12/18/2006 3:24 AM	A
resources.dd	218	OTD File	12/18/2006 3:24 AM	A
Misspirot.exe	16,016 KB	Application	12/18/2006 3:24 AM	A
3 sepiratevents.d	456 18	Application Extension	12/18/2006 3:24 AM	A
1 statnstg.i.bst	813	Windows Batch File	12/18/2006 3:24 AM	A

Step 2 – Choose the help that you need to introduce — Central System Installation > Choose the Service Type – Typical or Custom > Next



Step 3: Select the ECC programming units you wish to introduce, for example, Biller Direct and additional NW programming units, for example, AS ABAP, etc.

1	2	1	4
Choose Service	Define Parameters	Check Parameters	Execute Service
AP System > Software	e Units		
fore selecting the software units / g ake sure that you have identified the	processes, a required scenario as described in the Master Ouid		
DD 2005 Software links			
oftware units are installation units	Usage types of SAP NetWeaver are software units t	be installed and configured. Software units or usage typ	es can be run together with others in one s
sage types Application Server ABA	P(AS ABAP) and Application Server (AS Java) are t	Iso used as a foundation for other units.	
Install Boffware Unit	Description	Depends On	
	ERP 2005 Central Component	AS ABAP	
	CRP 2000 Billion Direct	AS JUVA	
	ERP 2005 Learning Solution	AC Java	
C 1500	ERP 2005 Extended E-Selling	AS Java	
1 X55	ERP 2005 Self Services	AS Java, EP, EP Core, BP ERP	
	1		
klitional NetWeaver Software Uni			
stall Software Unit	Description	Depends On	
AS ABAP	NetWeaver Application Serve		
AS Java	NetWeaver Application Serve		
BI Java	NetWeaver 81 Java	AS Java, EP, EP Core	
01	NetWeaver Development Infra	AS Jaya	
EP Core	NetWeaver Enterprise Portal.	AS Java	
T FR.	NetVeaver Enterprise Portal	EP Core, AS Java	
8 8	Retweaver Robile Infrastruc,	AS ABAP, AS Java	
	The second		

Step 4: Fill in the SAP System ID and Installation Drive data. Your SAP framework's SAP System ID is a one of a kind recognizable proof. It should be unmistakable over the entire framework scene. Enter an expert secret word that will be utilized to make all client accounts..

Elle Help				
Choose Servic	te Aral Parameter	2 Define Parameters	Check Parameters	Execute Service
Enter the system ID and installu	ation drive	~		
SAP System Parameters	10000			
Installation Drive	F: D			
Unicode System (recommende	ed) 🗹			
Additional Information The SAP System ID is an iden The system will be installed un	ther for your SAP system ider <installation s<="" td=""><td>m. It must be unique throughout your system hr 1 ve> : \usr \ sap \ <sapsid> \</sapsid></td><td>i landscape.</td><td></td></installation>	m. It must be unique throughout your system hr 1 ve> : \usr \ sap \ <sapsid> \</sapsid>	i landscape.	

Step 5: Fill in information base boundaries like the DBSID of a current data set, the host name, etc.

	1	2	3	
Choo	se Service Define	Parameters	Check Parameters	Execute Service
AP System >	Database Parameters			
iter the database par	ametera			
Database Parameter	•			
Dafabase Parameters Database ID (DBSID)	(SPE)			
Database Parameters Database ID (DBBID) Database Host	SP6 hose sap	_		

Step 6 – Perform perquisite check.

Ete Help					
Prerequi	Choose Service sites Checke	er > Re	sults Contractions	3 Check Parameters	Execute Service
Important In Your system • If a	formation has been checked (condition is not met	for compila	nce with the prerequisites. Item, we strongly recommend that you ti	🕼 Administratoréhome-sap: Message Box 🔀	1
In r Detailed Res	ults	decide to r	un the installation despite of conditions t	Your system does not meet some prerequisities or SAPInst could not evaluate them. The checks will be repeated. Choose Cancelto stop redoing the checks and to continue the installation.	, but make sure that you know
Swap Size	Condition not met	MEDIUM	Message For the selected services at least 2048	Cancel	More Information (6-24) Clickhere

Step 7 – Click Next > OS Password.

SAMerick Administration above stage SA Elle Bello	1	ort Release 2 > SAP Systems > Drack	> Central System > Central System Installation	
Choose Bervice SAP System > OS User Pa Enter the passwords of the operating sys	asswords tem users	2 Define Parameters	Check Perameters	Execute Service
SAP System Administrator Account: Anme-saptapeadm Password of SAP System Administrator Confirm SAP System Service User Account: Anme-sanSAPDerviceSP6		3		
Password of SAP System Service User Confirm	·····			

Step 8 – Enter the focal instance number, This number should be unique for this establishment.Step 9: The framework currently shows the port numbers.

Central Instance Parameters	
ABAP Messaging Service Port	2000
Internal ABAP Messaging Service Port	2900
Host with Transport Directory	hose-sap
Additional Information The instance-specific Internal ABAP Me	essaging Service Port for internal communication and the ABAP Messaging Service Port are required as a unique communication channel.

Step 10: When you click Next, you'll see an outline of the establishment.

Step 11: To finish the establishment and update, enter the Solution Manager key.

Step 12: You will get the accompanying affirmation after the establishment is finished.

Ele Beb				
Choose Service Task Progress The Task has been completed successfully	2 Define Parameters	Check Parameters	Esecute Service	Completed
All phases completed				
Phase List Configure Gracie sener network Phase List Configure Gracie sener network Phase database Create database Create database Create database Create database schema Check Oracle path Create database schema Check Oracle path Install CRA tools Perform post-load activities Perform post-load activities Create database statistics Install central services instance Start central services instance Start central services instance Check Choft pastword Run ABAP Reports Chase database schema		Concuton of Service SAP ERP has been completed success	2005 Support Release 2 > SAP System	s - Oracle - Central Bystem - Central B

The main aspects of the SAP system are as follows:

- Application Server Database Server
- Additional Servers
- NetWeaver software components
- Systems, Applications & Products in Data Processing's graphical user interface
- Maintenance Certificates and License Keys
- Package of Improvements
- Plans for improvement
- Integration of SAP Solution Manager

• You must verify the list of presently installed software component versions in SAP system by going to SAP GUI and selecting the system.

Choose System in SAP Status <System< logon click Component Information icon under system data.

🖻 Menu Edit Favorites Extras	System Help		_	
🖉 💽 👻 🤤	New GUI Window Close GUI Window	Ctrl+N	r 🕈 i 🔁 🖻] 🕜 💻
SAP Easy Access	User Profile	•		
🐚 🖙 🏷 💑 Other menu 🛛 📩	Serv <u>i</u> ces Utilitie <u>s</u>	*	📔 🗳 Assign us	ers 🔂 Do
Favorites SAP Menu	Lis <u>t</u> Se <u>r</u> vices for Object	•		
Office Cross-Application Components Accounting	My <u>O</u> bjects Own Spool Requests	•		
Information Systems Tools	O <u>w</u> n Jobs S <u>h</u> ort Message			
	Status		(
	Log O <u>f</u> f		-	

Go to SAP framework information \rightarrow Click on part amplifying glass.

lient	001	Pre	Previous logon 01		20:36:41	
Jser	B04	Lo	gon	12.09.2015	15:36:58	
anguage	EN	Sy	stem time		12:10:04	
AP data	ata		CAD Custom data			
Repository a	ata	and an an an an	SAP System data			
Transaction		SESSION_MANA.	Product Version	SAP NET	WEAVER	
Program (scr	reen)	SAPLSMIR_NAV.	-			
Screen number 100		100	Installation Number	INITIAL	Compo	nent
Screen num	17.	SAPLSMTR_NAV.	. License expiration	16.11.2	015	iner ic
Screen num Program (GL	<i>(</i> 1)					

You can see the accompanying two alternatives -

- Introduced software component forms
- Introduced item forms

۵	📴 Installed Software													
	Installed Software Component Versions Installed Product Versions													
	Details	Release	SP-Level	Support Package	SPP-Level	Support Package Patch	Type	Short Description of Component						
	\$ SIS	740	0008	SAPKB74008	0000	· · ·	3	SAP Basis Component						
	SAP_ABA	740	8000	SAPKA74008	0000	•	3	Cross-Application Component						
	SAP_GWFND	740	8000	SAPK-74008INSAPGWFND	0000		3	SAP Gateway Foundation 7.40						
	SAP_UI	740	0009	SAPK-74009INSAPUI	0000		0	User Interface Technology 7.40						
	PI_BASIS	740	8000	SAPK-74008INPIBASIS	0000		٢	Basis Plug-In						
	ST-PI	740	0000		0000			SAP Solution Tools Plug-In						
	BI_CONT	757	0000		0000			Business Intelligence Content						
	SAP_BW	740	8000	SAPKW74008	0000	•	3	SAP Business Warehouse						

CHAPTER 4:

Systems, Applications & Products in Data Processing Basis - SAP Client Administration

A customer is utilized inside the SAP framework for numerous login qualifications for a solitary case. You can make a few customers on a solitary occasion. It likewise gives information security by keeping one client with one customer from perusing the information of another client with an alternate customer. Besides, the framework doesn't need to be introduced for every individual client.

The Client Concept's Advantages

- The customer's idea incorporates the accompanying:
- As you can set up a few customers for the DEV, QA, and PROD groups, you can deal with the SAP framework scene.
- Your SAP framework might be imparted to a more extensive scope of clients.
- One can likewise make customers in the SAP framework from 000-999.

Three ordinary customers are incorporated with the SAP framework:

This is known as the expert customer, and it is accessible when you introduce the R/3 framework.

001 Client customer is a copy of 000 Client, except for the test organization. Typically, this customer is utilized to make new customers.

066 Client is SAP Early Watch, and it's utilized for symptomatic sweeps and SAP framework observing.

Client	Name	City	Crcy	Changed on	
000	SAP AG Konzern	Walldorf	EUR		*
001	SAP AG Konzern	Walldorf	EUR	12.09.2015	-
066	Test EarlyWatch Profiles	Walldorf	EUR	20.06.2003	

Steps to Create a New SAP Client

To make another customer in the SAP framework, follow these means.

Step 1: Begin with exchange code SCC4.

0	SCC4	• «		@ (§		è ₩	診日	1	£) \$	C I 💭	5	0 🚡
SA	P Easy Access											
1 2	🔄 ሯ 晶 Other r	nenu	☆ `	॑ ∅] 🔻 4		&Creat	te role] 2	Assign	n users	BD
•	- Favorites										-	
- 6	SAP Menu										_	
	Cross-Application	Compon	ents									

Step 2: After tapping on New Entries, fill in the accompanying data to set up another customer.

 Image: A start of the start of	▼ « 📙 🤅	2 🕼 😡 🗁 🖞 👘 🎝 🕯	101	1 🗖 📮 🗆 1	0 🖬
Chang	e View "Clients": Ove	rview			
🤣 🕄 🛛	lew Entries 🗈 🖻 🖡 🖪	l B			
Client	Name	City	Crcy	Changed on	
000	SAP AG Konzern	Walldorf	EUR		-
001	SAP AG Konzern	Walldorf	EUR	12.09.2015	-
066	Test EarlyWatch Profiles	Walldorf	EUR	20.06.2003	

- Customer number and name
- City
- Cash, Roles

Step 3: Fill in your customer data and design authorizations for the customers on a case by case basis, at that point click Save.

Image: A start of the start		😪 👄 前 路 約 名 紀	🗅 i 🥽 🛃 i 🕝 🛒
New Entries	Details of Added F	ntries	
* B D D			
closet.	100 500		
Client	100 080		
City	Londin	Last Changed By	
Logical system	2_ABCD_MT	Date	
Std currency	EUR		
Client role	Test		
 Automatic record No changes allow Changes w/o automatic 	ding of changes wed tomatic recording, no transpor	rts allowed	
Cross-Client Object 0	hanges		1
Changes to Reposi	tory and cross-client Customizir	ng allowed 👻	
Client Copy and Com	parison Tool Protection		1
Protection level 0:	No restriction	•	
CATT and eCATT Re	istrictions		1
eCATT and CATT	Not Allowed	~	1

Step 4: Go to Transaction SCC4 > Display > New Client in the Display Client rundown to add another customer.

-	Display View "Clients": Overview												
6	≫ 9												
	Client Name City Crcy Changed on												
	000	SAP AG Konzern	Walldorf	EUR		^							
	001	SAP AG Konzern	Walldorf	EUR	12.09.2015	-							
	066	Test EarlyWatch Profiles	Walldorf	EUR	20.06.2003								
	100	Dev	Londin	EUR	12.09.2015	33							

Framework that is both neighborhood and remote. Existing customers can likewise be replicated across nearby and far off framework IDs.

Step1-To make a copy of a current customer, follow these means. The exchange code for making a duplicate of a customer in nearby SID is SCCL.



Step 2 – Enter the accompanying subtleties – Pick your ideal profile, at that point fill in the source customer and depiction fields.

Client Copy Edit Goto Prof	ile System <u>H</u> elp
🔮 💽 👻 🤘	i 😪 😪 i 🖴 ñ 🕅 i 🎝 🗘 🎝 💭 🔽 i 🎯 🖳
Client Copy - Copy a Clie	ent
Schedule as Background Job	Start Immediately 📲
Target Client	001 SAP AG Konzern
Selected Profile	SAP_CUST
Description	Customizing
Source Client	000 P AG Konzern
Test Run	

Step 3 – The customer duplicate is led in a solitary cycle as a matter of course, yet you can part the responsibility across various cycles to diminish replicating time.

로 <u>C</u> lient Copy <u>E</u> dit	Goto Profile Sys	tem <u>H</u> elp	
	Request Copy	F7	修 (釣 釣 島 釣 〒 〒 🙆 💻
	Delete Clie <u>n</u> t	F9	
Client Copy - C	Log Display		
Schedule as Backgro	Parallel Processes	Shift+F1 <	
	REC Destinations		
Target Client	Back	F3	
Selected Profile	SAP_CU	IST 🗖	
Description	Custom	izing	
Source Client	000	P AG Konzern	
Test Rup			

Step 4 – It can require some investment to duplicate a customer. Therefore, this interaction can be directed behind the scenes.

Client Copy - Copy a Clie	ent
Schedule as Background Job	Start Immediately 🚓
Target Client	001 SAP AG Konzern
Selected Profile	SAP_CUST
Description	Customizing
Source Client	000 D.P AG Konzern
Test Run	

Step 5 – SCC3 can be utilized to check the logs, exchange code —

Schedule Cli	ient Copy in l	Background		
Schedule Job				
Source Client	000			
Profile name	SAP_CUST			
Background Server (C	Optional)	BODS_BI7_22	Ø	
☑Immediately ☑No Printer Dialog	Background displayed in	l job was successfully scheduled; log is SCC3		

Controller System

Utilizing exchange code — SCC9, you can make a duplicate of the customer in the inaccessible framework. This framework utilizes the SM59 Trusted RFC association.

You can enter a similar data with respect to a nearby customer duplicate, and you can decide to run the duplicate behind the scenes.

T-code — SCC3 can be utilized to assess the logs.

Client Copy/Transport Log Analysis											
🔁 🍕 🗟 Delete Log 🛛 All Clients 🗛 All Transport Requests Exports Transport Requests											
Client Copie	Client Copies in Client 001 : 1										
Date	Time	Source	Status Text	Profile	Mode	Test mode					
12.09.2015	18:10:45	000	Successfully Completed	SAP_CUST	Local						

4.1 Importing and sending out

At the point when the data set size is enormous, it is constantly prescribed to utilize the import/send out alternative for customer duplication.

To send out a customer, follow these means.

Step 1: Log on to the objective framework and use exchange code SCC4 to build up another objective customer passage. Use exchange code SCC8 to perform send out for moving information documents to the objective framework import cradle.



Step 2: Pick a profile and a framework to target. The fare technique can be planned to run behind the scenes. It produces a few vehicle demands in the accompanying areas, contingent upon the fare type. -

- To monitor cross-customer data.
- To store information that is relying upon the customer.
- To store information that is relying upon the customer.
- Presently, follow these means to import a customer -

Step 1 - If you utilize the exchange code STMS IMPORT to import a customer, you will see an import line.

Import	t Queue: Sj	/sten	n N4	s						
0 A 🛛	7 🕵 🖲 🕯	F 60	650	2 🍕 🕞 😢	a 🛼 🎭 🛭 🖻	- - - -				
Reque	Requests for N4S: 1 / 28 14.02.2013 19:23:30 Frequest * *									
Number	Request	C1t	RC	Owner	Project	Short Text	St			
1 2 3	E34K975388 E34K975764 E34K975596	500 500 000		RALPH VOLKER VOLKER	E34_P00011 E34_P00022 E34_P00025	TP_UPLOAD: Complete Delivery (Version 1.09 of 10. 162 Rollen für N45 - 00.11.2012 1055 Entwicklungen - 2.32 - complete	***			

Step 2 – Select the vehicle demands that were produced during the fare activity to start the import strategy. After you've finished the import, apply the exchange code SCC7 to complete the post-import Step. The exchange code SCC3 can be utilized to confirm import logs.

4.2 Deleting of a Client

To erase a customer from the SAP framework, follow these methodology.

Step 1: Type SCC5 for the exchange code. Run the test in SAP Easy Access.

Scc2	▼] « 🖯 @ (8 😪 🖨 🕅 🏠 🎝 🏠	🔉 🎝 🗮 🗖 🖉 🖳
SAP Easy Access			
🔤 🔄 🏷 💑 Other	menu 🛛 🏷 🍲 .	🖉 🔻 🔺 🔩 Create role	🛛 😂 Assign users 🛛 🔂 Do
Favorites SAP Menu Office			

Step 2 – Choose the customer you need to dispose of. You have the choice of choosing > erase behind the scenes or beginning right away. All customer sections made with Transaction SCC4 are put away in Table T000. You can likewise decide to eliminate the customer's table section.

Ø	💌 « 🖯 I 🗞 🚷 I 占 🖞 🖓 I 🏝 🏠 🎝 I 🇮 🔁 I 🎯 💻
Delete Client	
Participation Packground	🐨 Start Immediately 🤹
Delete client Client to be deleted	001 Delete entry from T000

Step 3 – You see the accompanying window, when you select beginning right away.

Delete Client				
Participate in Background	🐨 Start Immediately	¢₿		
🕞 Verification		×		
Delete Client You Have Chosen the Follov Target Client	ving Parameters:		D	
 Customizing Data Authorization Profile 8 Application Data User Data Delete T000 Entry 	✓ Flavors Roles ✓ Change Documents			
Copy Mode:				
Continue?		ontinue 🔀		

Step 4 – Continue to finish the cancellation.

CHAPTER 5:

Systems, Applications & Products in Data Processing Basis - User Activities

5.1 User creation

This chapter explains how to create SAP user accounts.

To make another customer in the SAP framework, follow these means.

Step 1: Enter the SU01 T codes



Step 2 - Enter the username you wish to make and afterward click the make symbol, as found in



Step 3 – You'll be taken to the accompanying tab, which is the Address tab. You should fill in data like your first and last names, telephone number, and email address.

Maintain Os	15	
°>> _===		
ser	DENO1	
hanged By	HUETT 02.07.2012 16:38:46 Status Saved	
Address	on Data VISNC V Defaulte V Parameters V Roles V Profiles V Grou	DE
Address [CO,	andada Flark Floeladids Fleataneters Flooles Fleones Floor	d by
Person		
Title	Mr. 👻	
Last name	DEMO1	-
First name		
Academic Title		
Complete name	DEMO1	
Language		
Work Center		
Function		
Department	ABC	
Room Number	Floor Building code	
Communication		
Telephone	999999 Extension	-
Mobile Phone		
Fax	Extension	-
E Adail A data and		

Step 4 – After that, you'll be directed to the accompanying tab, Logon Data. Under the Logon data tab, enter the client type. There are five unique kinds of clients.

Maintain Us	ers
6ŷ 🖆	
User	DEMO1
Changed By	HUETT 02.07.2012 16:38:46 Status Revised
Address Log	on Data SNC Defaults Parameters Roles Profiles Groups
Alias	
User Type	Dialog
Security Policy	Dialog
Password	System Communications Data
Rew Password	I RuleReference (Logon not possible)
New Password	Service
Repeat Password	*****
Password Status	Productive Password
User Group for Aut	thorization Check
User group	DEMO User for Demo Systems
Validity Period	
Valid from	
Valid through	
Other Data	
Account no.	

Following are the distinctive client types:

- Dialog user It is utilized for intuitive framework access from GUI.
- System use This kind of client is utilized for foundation preparing, correspondence inside a framework.
- Communication user- This client type is utilized for outer RFC calls.
- Service user This client type is made for a bigger and mysterious gathering of clients.
- Reference client –This client type doesn't permit login to the framework. It is utilized for general, non-individual related clients that permits the capacity of a few extra approvals.

Alias		
User Type	Dialog 🔻	
Security Policy		
Password		
🔋 New Password Ru	les (Case-Sensitive)	i
New Password		
Repeat Password	******	
Password Status	Productive Password	i

Step 5 –Fill in your first Login Password > Create another secret phrase

Step 6 – The following tab — Roles — will be opened for you.

Allocate the client with the suitable jobs.

Step 7 – You'll then, at that point be taken to the following tab, Profiles, where you can appoint Profiles to clients.

Maintain Users			
🧇 🖆			
User DENO1 Changed By HUETT 02.07.2012 16:38:46 Status Revised Address Logon Data SNC Defaults Parameters Roles Profiles Groups Personalization Lic. Data			
Reference User			
Role Assignments			
Status Role	T. Start Date End Date	Role name Indir.	
/JCCOST/WELCOME_NWBCSD	W 11.02.2010 31.12.9999	Welcome to NWBL	

Step 8 – To get affirmation, click Save.

5.2 To Reset Your Password

To reset your secret word, follow these means:

Step 1: Use exchange code SU01

Step 2: To modify the profile, enter the username and pick the change alternative gave on the top bar.

User Maintenance: Initial Screen
User [123456]
Alias

Step 3: You'll be taken to the accompanying tab, which is Logon Data.

Step 4: Fill in the new secret word and save it utilizing the upper right save symbol.

0	🔹 🗸 🔄 🛛 🗞 😪 😂 🖞 👘 🖏 🎝 🎝 🎝 💭 🔽 🖓 🖷
Maintain Use	rs 🚺
69 G	
User	123456
Changed By	14.10.2009 09:13:36 Status Saved
Address Logo Alias	Data SNC Defaults Parameters Roles Profiles Groups
User Type	Service
Security Policy	
Password	
New Password F	ules (Case-Sensitive)
New Password	× ************************************
Repeat Password	*****
Password Status	Productive Password

Step 5: The accompanying affirmation you will get.

🗹 User 123456 has changed	

A 5.3 How to bolt or open User

A manager in the SAP framework can likewise bolt or open a client dependent on their necessities. This should be possible for a set measure of time or inconclusively. A client can be secured or opened one of two different ways: physically or coercively.

- Self-rulingly
- Strongly or physically

These exchange codes can be utilized to secure a client coercively or naturally.

SU01 is the exchange code for wrongdoing.

User Maintenance: Initial Screen
User Lock/Unlock (Ctrl+F5)
Alias

Step 3: Click on lock/open option. You will presently see the current status of the client.

User Maintenance: Initial Screen
User 123456
Alias
Cr Lock User 123456
Not locked.

Step 4 – Use exchange code SU10 and info the clients' usernames in the username rundown to bolt various clients. To pick numerous clients without a moment's delay, snap and search, and you'll be offered the chance to pick various individuals on the double.

User Maint	enance: Mas	ss Changes Ini	tial Screen	
🗅 🥒 🥒 Single	• @ 6 6	6 🖪 🖓 🖶 💶		
User Selection				
Add	iress Data	Authori	zation Data	Logon Data
User				
User 🔶	Full Name			
Demo	E Restrict Valu	e Range (1) 500 Entr	ies found	
123456	Users by A	ddress Data	Users by Logon Data	Users by Profiles
			RIR	
	User N	ame Last nam	e First na	me Department
1	123456	> 123456	RF USER	demo equipment.
10000	3010/5	301075		
	828	BRITZ		
	AAMAN	IAGER FLANNIGA	N LORNA	
	ABAINE	BAINES	ANGELA	
	ACCOU	NTANT PERINI	CARLOS	

Step 5 - As required, select the bolt and open image at the top. This can be utilized to open at least one clients utilizing a similar exchange code.

CHAPTER 6:

Systems, Applications & Products in Data Processing Basis - Number of Login Attempts

In the event that the boundary esteem is set by the director, the framework will stop the meeting or lock the client account after a specific number of fizzled login endeavors. To restrict the quantity of login endeavors, the accompanying two settings are utilized. -

Static This boundary doesn't produce results immediately. For this, the framework should be restarted.

This boundary can be applied straightforwardly to the framework without the requirement for any extra programming.



Step 2: Type the parameter's name and select Display from the drop-down menu. Click Edit to make changes to a parameter.

Step 3: Enter the parameter name — login/fails to session end — to specify the number of failed attempts. Parameters with any name can be used.

Maintain Profile Parameters	
6	
Profile Parameter Maintenance	
Parametername	
login/fails_to_session_end	
🗞 🖓 Display 🔂 Display Docu	

Step 4 – Click on Display, To check the current policy.

1	Maintain Profile Parameters						
1	à 🗉						
Г	Metadata for Parameter login/fails_to_session_end						
	Description	Value					
L	Name	login/fails_to_session_end					
L	Туре	Integer					
L	Further Selection Criteria						
L	Unit						
L	Parameter Group	Login					
L	Parameter Description	Number of invalid login attempts until session end					
L	CSN Component	BC-SEC-LGN					
L	System-Wide Parameter	No					
L	Dynamic Parameter	No					
L	Vector Parameter	No					
L	Has Subparameters	No					
U	Check Function Exists	No					
	Current Value of Parameter login/fails_to_session_end						
L	Expansion Level	Value					
	Kernel Default	3					
	Standard Profile	3					
	Instance Profile	3					
	Current Value	3					

Significant boundaries to keep login endeavors to a base

- Login/neglects to meeting end ogin/neglects to meeting end ogin/falls flat to_ The occasions a client can include an invalid secret phrase before the framework ends the logon endeavor is characterized by this boundary. The worth of the boundary ought to be not exactly the worth of the boundary.
- login/neglects to client lock/neglects to client lock/neglects to client lock This choice indicates the greatest number of times a client can enter an invalid secret phrase before it is dismissed.

T codes — SM30

Maintain Table Views: Initial Screen	
🕅 Find Maintenance Dialog	
Table/View	C Table/View (1) 1 Entry found Select View or Table Name
Restrict Data Range No Restrictions Enter conditions Variant 	View/Table Short Description USR40 Table for illegal passwords
🗞 Display 🖉 Maintain 🔜 Trans	

Select the table and then press the Display button. Put the password string in the box.

CHAPTER 7:

Systems, Applications & Products in Data Processing Basis - Job Processing 7.1 Executing Background Jobs in SAP

Establishment occupations in SAP system process in the background without impacting average exercises in the structure. These positions are used to diminish manual effort and to automated the cycle. They can run in the background with no customer incorporation and can be reserved to run when the structure load is low. Establishment occupations can be detached into three classes –

T Code SM36



Data in general

Fill in the job title and priority. Select the server on which you'd like to run the job. This is used to load balancing, and you can specify which server the job should run on.

Define Back	ground Job		
Start condition	🍣 Step 🔢 🔝 Job selection	🗳 Own jobs 🛛 🎇 Job wiza	rd Standard jobs
General Data			
Job Name	Test		
Job Class	С		
Status	Scheduled		
Exec. Target	BODS_EH7_24	Spool List Recipien	t 🔶

If you want to get the results through email, use Spool List Recipient and input the email address.

🔄 Recipient D	Determination	
Recipient General attrib	Developer Developer Developer	
Copy Express	Blind copy	
	Copy 🕑 💼 Fax entry X.400 entry 🗈 Address 🗶	

Go to the Step Tab to define the execution Steps. In the field, type the name of the programme and the name of the variant. Leave it blank if you haven't built a version that meets your needs. Click the save button.

🕞 Create Step	1			×
User	HANAUSER			
Program values				
ABA	P program	External command	External program	
ABAP program Name Variant Language	EN		ב <mark>ן</mark>	

St	ep List Overview					
Ø	🗅 🔍 🏭 🛷 📅 🖉 Spool	I III III III III III III III III III	4 > >			
			1			
No.	Program name/command	Prog. type	Spool list	Parameters	User	Lang.
1	/1ACC/ARCHM85000B	ABAP			HANAUSER	EN

Enter the start date, end date, frequency, and so on to pass the start condition. If no start condition is specific, the job will remain in the scheduled state and will not run. The start condition can be defined in a variety of ways. Select the bottom box to create a recurring job.

Define Background Job
🍽 Start condition 🗸 Step 🛛 🙈 Job selection 🗳 Own jobs 🔭 Job wizard Standard jobs
🖙 Start Time
Immediate Date/Time After Job After Event At Operation Mode
Date/Time
Scheduled Start Date Time No Start After Date Time
After Job At Operation Mode
After Event
Check 🔄 Period values Restrictions 🗶

After you've defined your schedule, click Save.

CHAPTER 8:

SAP BASIS- Monitoring a Background Job

Checking a foundation task is basic in the SAP framework since it very well might be dropped because of a mix-up after it has been booked.

To screen a foundation work, follow these means:

Step 1: Use exchange code SM37.

Step 2 To see the entirety of the positions delivered by this client, type * in the Job Name box and select the status. Likewise, depending on the situation, put it down on the calendar reach and afterward click Execute.

Simple	Job Selection	
Execute	Extended job selection 🚺 Information	
Job Name User Name	* HANAUSER	
Job Status		
Sched.	Released Ready Active Finished Canceled	
Job Start Con	ndition	
	From 🔞 To 🐻 04.09.2015 🗇	
	From (b) To (b)	
or after even	it:	

Step 3: Upon completion, all jobs generated by the specified user that meet the selection criteria are presented.

Job name, Job Created By, Status, Start Date, Duration, Delay, and other information are displayed.

Job Overview									
🖗 Refresh 🕅 Release 🛛 🐨 🖉 Spo	ol 🕅	Job log	🌮 Step 🔢 📒	Application servers	🧏 🎟 🐨	- V			
Job overview from: 00.00.0000 at: : : to: 04.09.2015 at: : : Selected job names: * Selected user names: HANAUSER Scheduled @Released @Ready @Active @Finished @Canceled Event controlled Event ID: ABAP program Program name :									
JobName 🔶	Spool	Job doc	Job CreatedB	Status	Start date	Start Time	Duration(sec.)	Delay (sec.)	
CODE_INSPECTOR_DELETION			HANAUSER	Finished	30.08.2015	01:00:04	3	4	
CODE_INSPECTOR_DELETION			HANAUSER	Finished	31.08.2015	01:00:46	2	46	
DMC_DEL_OLD_FUGR			HANAUSER	Finished	30.08.2015	10:56:12	0	0	
DHC_DEL_OLD_FUGR			HANAUSER	Finished	30.08.2015	10:56:12	0	0	
DMC_DEL_OLD_FUGR			HANAUSER	Finished	30.08.2015	10:56:13	0	0	
DMC_DEL_OLD_FUGR			HANAUSER	Finished	30.08.2015	10:56:13	0	0	
DHC_DEL_OLD_FOGK			HANAUSER	Finished	30.08.2015	10:56:14	0	0	
DRC DEL OLD FIGH			HANAUSER	Finished	30.08.2015	10:56:14	0	0	
DMC_DEL_OLD_FIGR			HANAUSER	Finished	30.08.2015	10:56:14	0	0	
DMC DEL OLD FUGR			HANAUSER	Finished	30.08.2015	10:56:16	0	1	
DMC DEL OLD FUGR			HANAUSER	Finished	30,08,2015	10:56:16	0	0	
DMC DEL OLD FUGR			HANAUSER	Finished	30.08.2015	10:56:16	1	0	
DMC DEL OLD FUGR			HANAUSER	Finished	30.08.2015	10:56:17	0	0	
DHC_DEL_OLD_FUGR			HANAUSER	Finished	30.08.2015	10:56:17	1	0	
DHC_DEL_OLD_FUGR			HANAUSER	Finished	30.08.2015	10:56:18	0	0	
DHC_DEL_OLD_FUGR			HANAUSER	Finished	30.08.2015	10:56:18	1	0	
TEST			HANAUSER	Released			0	0	
*Sunnary							27	10.652	

Step 4 – You can select the job and click on the Job Log button, to check the job log,

Job Overview									
😨 Refresh 🛤 Release 🚥 🐨 😅 Spo	ol 🐻	Job log	🍣 Step 🛛 📒	Application servers	. ≫≦				
Job overview from: 00.00.0000 at: to: 04.09.2015 at: : : Selected job names: * Selected user names: HANAUSER Scheduled Released Ready Active Finished Canceled Event controlled Event ID: ABAP program Program name :									
JobName	Spool	Job doc	Job CreatedB	Status	Start				
CODE_INSPECTOR_DELETION CODE_INSPECTOR_DELETION DMC_DEL_OLD_FUGR DMC_DEL_OLD_FUGR DMC_DEL_OLD_FUGR DMC_DEL_OLD_FUGR DMC_DEL_OLD_FUGR			HANAUSER HANAUSER HANAUSER HANAUSER HANAUSER HANAUSER	Finished Finished Finished Finished Finished Finished	30.08 31.08 30.08 30.08 30.08				

8.1 SAP Basis - Deleting a Background Job

We have the ability to delete jobs from the SAP system. These jobs may no longer be needed and may take up a lot of system space. There are two methods for deleting jobs:

• Single Job

• Multiple Jobs

To delete a single job, follow these Steps: Step 1: Use T codes SM37.

Step 2 To see all of the jobs produced by this user, type * in the Job Name box and select the status. Also, as needed, set a date range and then click Execute.

Simple Job Selection	
Execute Extended job selection Information	
Job Name * User Name HANAUSER	
Job Status]
Sched. Released Ready Active Finished Canceled	
Job Start Condition	1
From (+) To (+)	
or after event:	

Step 3: Upon completion, all jobs generated by the specified user that meet the selection criteria are presented.

Job name, Job Created By, Status, Start date, Duration, Delay, and other information are displayed. Select the job from the database that you wish to remove and click Delete.

See For Toro Freds Toronds	oTyram Go	P									
ଏ 🔄 🔹 🖉 😓 🕲 🖕 🖞 🖞 🖏 🖏 🖏 💭 💭 💭 💭 💭 💭											
Job Overview											
🕗 Refresh 🔎 Release 🗢 📷 🖉 Spool 🖓 Job log 💝 Step 🛛 🍯 Application servers 🇏 🎛 🔞 🚊 🗟											
Job overview from: 00.00.0000 to: 02.09.2015 at: Selected job names: * Selected user names: HANAUSEF Scheduled Released Ready Event controlled Event ID: ABAP program Program name :	::: ::: Active	- Finished	Canceled								
JobName	Spool Job doc	Job CreatedB	Status	Start date	Start Time	Duration(sec.)	Delay (sec.)				
BI_WRITE_PROT_TO_APPLLOG		HANAUSER HANAUSER	Released Released			0	0				

Step 4: Use exchange code SE38 to erase various positions. RSBTCDEL2 RSBT (New form of RSBTCDEL). Old occupation logs will be taken out from the work outline and will at this point don't be noticeable. Enter the application and press the Execute button.

ABAP Editor: Initial Screen		
🖆 🧪 🚱 🖶 🔝 🛛 📅 🗈 🕪 🖉 Debugging	🚱 With Variant	🔁 Variants
Program RSBTCDEL2	Create	
Subobjects		
Source Code		
○ Variants		
OAttributes		
ODocumentation		
○ Text elements		
🗞 🖌 Display 🖉 Change		

Step 5: On next screen, fill in the details for the job which want to delete, such as the Job Name. You can use the asterisk (*) to mark all jobs. Enter the username of the user you wish to delete jobs from.

Step 6: Mention state of the jobs that will be deleted, as well as the time frame for deletion.

Step 7: Define Commit: The value of a commit is related to performance of programme. Job termination will go more quickly if the commit value is high. A value of 1000 is recommended.

Step 8: Select Test run to simulate job deletion, ensuring that no jobs are lost. Uncheck Test run box and hit Execute when you're ready.

Deletion	of Jobs						
🕸 🚥 🥵	Latistics	ଝିଂRunning Instances 🔰 🕻	1				
Differentiation	Specifications o	f Jobs 🔶					
Job Name							
User Name		hanauser					
Event							
Event Parame	eter						
		1					
Statuses, Class	es, and Time Sp	pecifications					
			Jo	b Class:			
			A	В	C		
Released		Older Than (Days)	14	14	14		
Scheduled		Older Than (Days)	14	14	14		
Finished	v	Older Than (Days)	14	14	14		
Canceled	v	Older Than (Days)	14	14	14		
Derfermance O	untionis stimus						
Performance C	pomization	-					
Commit	1.0						
Do Not Dele	te Temporary v	(ariants					
Execution							
Test Run	\checkmark						
Output the	Statistics in the	Background (Deletion Mode)				
Before							
After							

Step 9: When you click Test run, a list of all jobs that match the criteria will appear. If you want to make any changes before completing the deletion, you can do so now.

	Job List								
1							-		
	Index	Start Date	Start Time	Start date	End Time	Job Name	Job Coun	Created By	Status
	1	03.04.2014	01:10:43	03.04.2014	01:10:43	/BDL/TASK_PROCESSOR	00104200	SAP*	Finished
Ш	2	03.04.2014	02:10:43	03.04.2014	02:10:44	/BDL/TASK_PROCESSOR	01104300	SAP*	Finished
Ш	3	03.04.2014	03:10:44	03.04.2014	03:10:44	/BDL/TASK_PROCESSOR	02104300	SAPT	Finished
Ш	4	03.04.2014	04:10:45	03.04.2014	04:10:45	/BDL/TASK_PROCESSOR	03104400	SAP*	Finished
Ш	5	03.04.2014	05:10:45	03.04.2014	05:10:46	/BDL/TASK_PROCESSOR	04104500	SAP*	Finished
Ш	6	03.04.2014	06:10:46	03.04.2014	06:10:47	/BDL/TASK_PROCESSOR	05104500	SAP*	Finished
Ш	7	03.04.2014	07:10:46	03.04.2014	07:10:46	/BDL/TASK_PROCESSOR	06104600	SAPT	Finished
Ш	8	03.04.2014	08:10:47	03.04.2014	08:10:47	/BDL/TASK_PROCESSOR	07104600	SAP*	Finished
Ш	9	03.04.2014	09:10:47	03.04.2014	09:10:48	/BDL/TASK_PROCESSOR	08104700	SAP*	Finished
Ш	10	03.04.2014	10:10:48	03.04.2014	10:10:48	/BDL/TASK_PROCESSOR	09104700	SAP*	Finished
	11	03.04.2014	11:11:19	03.04.2014	11:11:20	/BDL/TASK_PROCESSOR	10104800	SAPT	Finished

CHAPTER 9:

SAP Basis - Managing Transports

9.1 TMS (Transport Management System) Overview: TMS is a fundamental component of the SAP system. TMS is used to manage new requests, manage updates (such as who made the modifications), and define and configure the SAP system landscape.

TMS is made up of three separate elements that comprise the Change and Transport System (CTS).

Transport Tools

The R3 trans and transport control programmes are managed using tools that are part of the SAP Kernel.

It stands for SAP system transport, and it's used to transfer items across SAP systems. It's generally used in cooperation with another transport control tool, such as tp or SAP update utilities.

Data and object movement across separate systems running on different platforms and databases is supported by the Transport Control Program. R3 trans stands for SAP system transport, and it's used to transfer items across SAP systems. Normally,

Configuring Transport Management

- Transport management is one of the most important components in the SAP system landscape, and it's utilised to do things like define the Transport Domain Controller.
- The SAP system landscape is being configured.
- Within the system Landscape, defining the Transport Routes between systems.
- Configuration distribution

9.2 Transport Domain Controller

• This is where all TMS setup data are kept. Changes to configuration settings are communicated to all systems. To set up a Domain Controller, use STMS as the T codes.

- You will be requested to build a new Domain Controller if the SAP system does not have one. The following activities are included in the transportation domain:
- TMSADM user creation
- TMSADM is used as login to the target system via RFC connection and request generation.
- The DOMAIN.CFG file, located in the usr/sap/trans/bin directory, holds TMS settings and is used by systems and domains to verify current settings.

Transport Management System
🛼 🏷 🙆 💑 🥵 📣 🕮 🖬
System EH7 System EH7 Transp. Domain DOMAIN_EH7 Transport domain EH7
TPANS POP MANAGEMENT SYSTEM
You are logged onto the domain controller

Steps to add the system to Transport domain are as follows -

Step 1: In Client 000, sign in to the SAP framework you need to add as a System and info the exchange code STMS. In the event that a framework isn't added, TMS will analyze the record with the setup DOMAIN.CFG and recommend you to make one. Save the proposition by tapping on — Select the Proposal. At first, the framework will be in a province of 'Pausing.'

For finishing the task \rightarrow Firstly, login to the Domain Controller System \rightarrow Transaction STMS \rightarrow Click on Overview at the top \rightarrow Select Systems.

Presently you can see another framework is accessible. Thereafter, Go to SAP System \rightarrow Click on Approve

þ	Overview Moni	tor Extr <u>a</u> s En <u>v</u>	wironment System Help
6	Imports	F5	🔍 😪 💽 I 🗁 🕅 👘 I 🏝 🖆 🎝 🎝 I 🥃 🗔 I 🎯 💻
	Wo <u>r</u> klist	F6	
	Systems	Shift+F6	stem
	Transport Rout	tes Shift+F7	
6	Exit	Shift+F3	
S	ystem ransp. Domain	EH7 Syste DOMAIN_EH7 Tran	tem EH7 nsport domain EH7

Ì	SAP System Edit Go	oto Extr <u>a</u> s	Environment Sy	ystem <u>H</u> elp			
(Cre <u>a</u> te	+	a 😪 😪 I 🚔 🕅	61222	11	2	Ø 📮
	Change						
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	Delete	Shift+F2					
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CHAPTER 10:

Systems, Applications & Products in Data Processing Basis - System Monitoring

Framework checking remembers centering for application workers, CPU utilization, information base space, and log records, among different perspectives.

Coming up next are likewise remembered for framework checking:

- Observing of bunch errands
- Observing data set execution
- Monitoring application clients
- Observing of spool demands
- Solicitations for printed materials

Use exchange code — SM51 for checking the SAP framework.

Server List			
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System Overview Started Server 1			
Server Name	Host	Message Types	Server State
BODS_EH7_24	bods	Dialog Batch Update Upd2 Spool ICM	Active

list of processes, Select the Process icon.

р 2	10C	ess 0	twe <i>rview of t</i>	Server B	10DS_EH) ▲ ▼	7_24 Ⅲ ④	6 I 🐨 🗪	D 🖸	1 00					
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B	Num	Туре	Process ID	Status	info.	Failures	LockedSem.	Sema,	OPU Time	Time	Priority	Active Program	G.,	User Name
		AIG	22.828	Waiting					0:08:03					
		I DIA	7.180	Running					0:22:57		High	OL_SERVER_INFOCP	800	HANAUSER
	1	AIG S	8.804	Waiting					0:28:36					
	;	3 DIA	11.680	Waiting		1			1:19:53					
		ADG 1	6.572	Walting					0:20:19					
		5 DIA	8.972	Waiting					0:24:22					
		5 DIA	22.196	Waiting		1			1:25:31					
	1	7 DIA	7.596	Walting					0:21:22					
	1	ADG 8	18.240	Walting		1			1:06:06					
		ADG 9	7.716	Waiting					0:35:03					
	1	AIG C	9.652	Walting					0:24:17					
	1	DIA	17.420	Walting		1			1:24:35					

-In Users
3.
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For monitoring application users, use the T codess — AL08 and SM04

Use T code — SM04

List of All Users Logged 0	n											
Refresh 🔒												
System EH7 0 Date, Time 04.09.2015 12:59:22 u	verview sers lo	of all gged on.										
Active Instances	Nuber	of Active Us	ers	Interactive Use	153	Number of	RFC User:	,	Numb	r of	Plug-Ir	n User
BODS_EH7_24	7			1		6			0			
1 Destinations with 7 users.			_									
BODS_EH7_24	Client	User Name	Termin	nal	Transactio	n Code	Tine	Ext.	Sess.	Int.	Sess.	
	800	HANAUSER.	BODS						1		1	
	800	LTRUSER					12:59:21		1		1	
	800	SAPUSER					12:59:21		1		3	
	800	HANAUSER.	BODS				12:59:22		1		2	
	800	SAPUSER					12:59:21		1		3	
	000	SAP_WSRT	bods.	logon2erp.com			12:59:20		1		1	
	000	SAP_USRT	bods.	logonZerp.com			12:59:18		1		1	
	800	BGRFC_SUPER	bods.	logonZerp.com			12:56:48		1		1	
1	800	BGRPC_SUPER	Dods.	logonZerp.com			12:56:48		1		1	

For examining the update processes, use T codes — SM13. Type '*' in the User field and click on Execute.

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Update System		😥 Admir	nistration
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Queue will be empty if there is no pending request as shown in the following screenshot -

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Canceled update requests
All update requests
Reorganize update requests

10.1 Important T codess for system monitoring and performance evaluations are provided in the table below.

Monitoring System Log	SM21
Tune Summary	ST02
CPU Utilization	ST06
ABAP Dumps	ST22

Spool Request Monitoring	SP01
Monitoring Batch Job	SM37
Database Administration	DB02
Database backup logs	DB12

CHAPTER 11:

REMOTE FUNCTION CELL (RFC)

RFC is a protocol that lets business applications interact and share data with other systems (in predefined forms). The word RFC stands for 'Remote Function Call.'

RFC is a SAP protocol that handles communications between systems and makes development easier. It is the process of calling a function module from a computer other than the one where the caller software is running. RFCs can also be used to call another programme on the same system, though they are most commonly used when the 'calling' and 'called' function modules/programs are on different computers.

11.1 How to Create RFC?

1.Firstly	, create	a client
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2.Now, login the system which is supposed to be on the receiving end of the RFC.

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3. Then, Click proceed to create an RFC connection.

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4. Then try to perform the connection test.

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5. After that, click the proceed to perform the Authorization Test.

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6. When, the authorization test is passed without any errors, click confirmation that the RFC connection is successful.

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Conclusion:

About Company: DXC Technology manages mission-critical technologies with the latest technology to improve business outcomes and provide clients with new levels of performance, competitiveness, and experiences. The prime focus is on IT modernization including on-premises and cloud, data-driven operations and workplace modernization.

Project/Training Brief: As a part of DXC Early Career Professionals program (DECP). The whole learning journey was divided into 2 phases – Foundation and Technical (Domain & Specialization). Foundation training was 2 weeks a self-paced learning module and there were assessments during the learning and it was mandatory to score an average score of 60 in the Foundation module. Post the completion of the Foundation training Domain was assigned & Specialization Training which was a full day instructor led training was completed.

Tools deployed:

Systems, Applications & Products in Data Processing NetWeaver

Key parts of the report & your findings and solutions provided in the report:

After completing the learning phase with all my dedication I am prepared to process basic tasks within the technology environment of SAP systems.

Configure and manage SAP NetWeaver AS ABAP

Configure and manage SAP NetWeaver AS Java

Benefits to the company through your report:

After completing the virtual training I am ready to implement my learning for required needs of the organization. I will try my best to implement my theoretical learning practically by working on different projects. I am able to Configure and manage SAP NetWeaver.

MY EXPERIENCE:

My overall experience of doing training at DXC Technology is awesome, beneficial and engaging. These training programs definitely enhanced my skills, improved efficiency, and productivity and grew opportunities for me. Mentors were so Cooperative and Helpful all the time and I have learned a lot of new skills and gained a lot of knowledge which will be very helpful in future. I can't wait to put what I've learned to use. At the end of the training program, I want to thank all my team members, teachers, mentors, friends and family for always encouraging, supporting, guiding and believing in me.

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