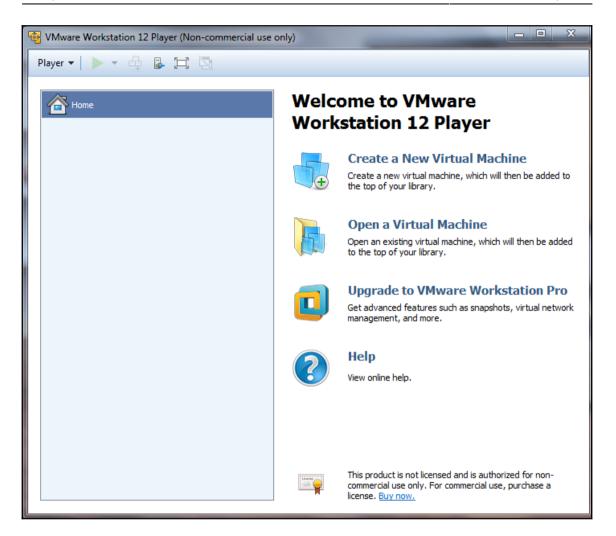
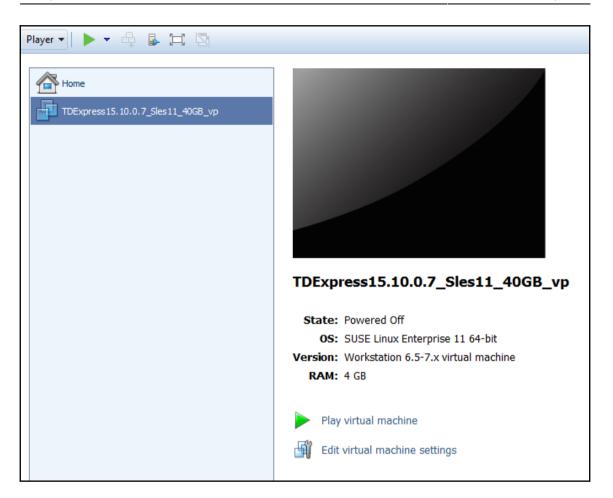
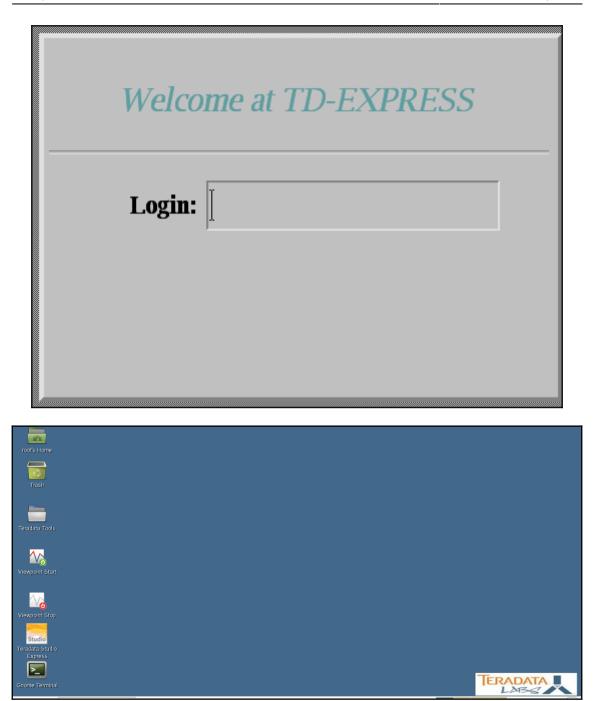
1 Grahpics

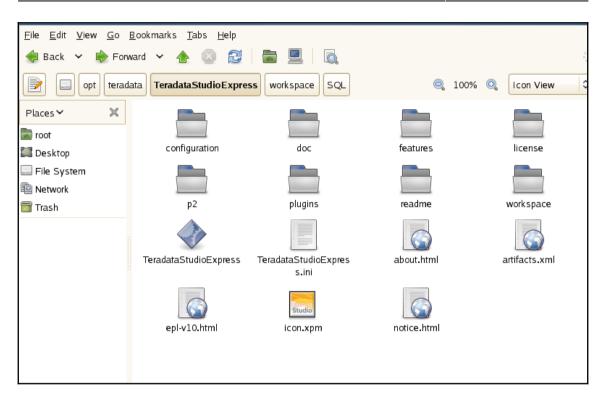
Chapter 1: Installation





```
bio: create slab <bio-0> at 0
Dquot-cache hash table entries: 512 (order 0, 4096 bytes)
registered taskstats version 1
 Magic number: 1:221:165
doing fast boot
Creating device nodes with udev
sd 0:0:0:0: [sda] Assuming drive cache: write through
sd 0:0:0:0: [sda] Assuming drive cache: write through
sd 0:0:1:0: [sdb] Assuming drive cache: write through
sd 0:0:1:0: [sdb] Assuming drive cache: write through
sd 0:0:1:0: [sdb] Assuming drive cache: write through
sd 0:0:2:0: [sdc] Assuming drive cache: write through
sd 0:0:2:0: [sdc] Assuming drive cache: write through
sd 0:0:2:0: [sdc] Assuming drive cache: write through
sda6 sda7 >
sd 0:0:0:0: [sda] Assuming drive cache: write through
mount: devpts already mounted or /dev/pts busy
mount: according to mtab, deupts is already mounted on /deu/pts
Boot logging started on /dev/tty1(/dev/console) at Sat May 13 02:10:38 2017
Waiting for device /dev/disk/by-label/ROOT-BE1 to appear: ok
fsck from util-linux-ng 2.16
[/sbin/fsck.ext3 (1) -- /] fsck.ext3 -a -C0 /dev/sda2
ROOT-BE1 has gone 633 days without being checked, check forced.
hrtimer: interrupt took 12123732 ns
                                                                  \ 17.1%
: 31.5%
```





D teradata RESOURCES	All results >	,∕⊂ teradata		
> vnet-teradata RESOURCE GROUPS	VIRTUAL NETWORK 0 results	Results		
SERVICES	0 results All results >	NAME	PUBLISHER	CATEGORY
Teradata Aster Analytics Teradata Viewpoint Single System	si 20 t	Teradata Viewpoint Single System	Teradata	Compute
Teradata Viewpoint Multiple Systems Teradata Data Stream Controller		Teraciata Data Stream Controller	Teradata	Compute
DOCUMENTATION Copy data from Teradata using Azure Data Fac		tuun Teraciata Database	Teradata	Compute
Learn about Teradata Connector of the Data Factory servi Data sources supported in Azure Analysis Servic Describes data sources supported for data models in Azu	ies	Teradata Viewpoint Multiple Systems	Teradata	Compute
zure Analysis Services tutorial lesson 2: Get da sson 2: Get data. 11/01/2017: Orade. Sybase. OData zure Data Catalog release notes Microsoft Do	Feed, Teradata, files and	Teraclata Server Management	Teradata	Compute
isure Data Catalog release notes: 10/01/2017; 3 minutes arching all subscriptions. Change		Teradata Database with Intell Sphere	Teradata	Compute
Ann Sense 17		Teraclata Aster AppCenter Hourly	Teradata	Compute
		Terrelata Actor Analytics	Teradata	Compute

Additionally, this VM is	nent (TASM), or Teradata Integrated Workload Management (TIWM). not licensed for use with Teradata Data Lab, Teradata Data Mover, radata Unity, or Teradata Viewpoint (Multiple Teradata Systems).
PUBLISHER	Teradata
	Getting Started
USEFUL LINKS	Product Documentation
	Teradata Database on Azure Forum
Select a deployment mo Resource Manager Create	odel

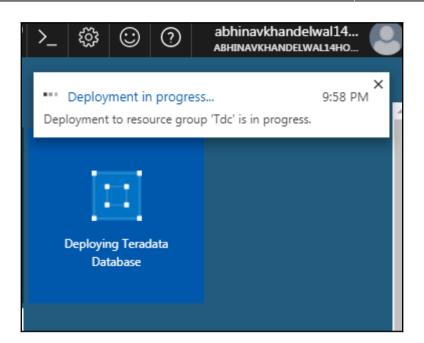
_

Basics	×
* User name 0	Th
Tdckbk0nAure	1
* Authentication type	
Password SSH public key	
* Password 🛛	
* Confirm password	
Subscription	
Pay-As-You-Go	\sim
* Resource group 0	
Create new Use existing	
The value should not be empty.	
* Location	
East US	\sim

Create Teradata Database	× Database Settings ×
1 Basics 🗸	System name prefix database
2 Teradata Database > Configure Database	DBC password Confirm DBC password
3 Viewpoint > Configure Viewpoint	Japanese language support 🛛 🗸
4 Server Management Configure Server Managem >	Purchase Method Hourly BYOL Database Version
5 Teradata REST Services > Configure Teradata REST Se	15.10 16.10 Database Tier • • Developer Base Advanced Enterprise
6 Data Stream Controller Configure Data Stream Con	* VM Size x Standard L32s
Frosystem Manager	СК V

Create Teradata Database	× Viewpoint Settings ×
1 Basics ✓	Viewpoint Yes No
2 ^{Teradata Database} ✓ Done	 * Viewpoint system name prefix • viewpoint * System nickname •
3 Viewpoint > Configure Viewpoint	tdck1bk * Viewpoint portal admin user password
4 Server Management > Configure Server Managem	Confirm portal admin user password
5 Teradata REST Services > Configure Teradata REST Se	Teradata Viewpoint Single System ✓ * VM size ❶
6 Data Stream Controller > Configure Data Stream Con >	Configure required settings
T Ecosystem Manager	ОК

Summary	×
1 Running final validation	
Basics	
Subscription	Free Trial
Resource group	td
Location	East US
User name	azureuser
Password	*******
Database Settings	
System name prefix	database
DBC password	*******
Japanese language support	No
Purchase Method	Hourly
Database Version	15.10
Database Tier	Enterprise
VM Size	Standard DS15 v2
Storage Size Per Node	5TB
Fold / Unfold	None
Number of nodes	4
Teradata Intelligent Memory (No
Row Level Security	No
Secure Zones	Yes
Viewpoint Settings	
Viewpoint	Yes
OK	



Access control Resource costs Deployments Policies Policies Policies Policies Deployments Deployments Dock Dock Dock Dock Dock Dock Dock Database-nic12 Network interface Deployments Dock Dock <t< th=""><th>Resource groups NAME</th><th></th><th></th></t<>	Resource groups NAME		
SETTINGS NAME 11 TYPE 11 44 Quickstart 100 database-ais Availability set 10 Resource cools 10 database-ais Naktwark interface 11 Policies 10 database-ais Network interface 12 Policies 10 database-ais(2) Network interface 12 Properties 10 database-ais(2) Network interface 12 database-ais(2) Network interface 10 database-ais(2) 13 database-ais(2) Network interface 10 database-ais(2)	(@) Tdc	Tags	All locations
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Image: Sector		📣 Quickstart 🗌 🔯 database-as	Availability set
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Policies Image: Statute		📩 Deployments 🗌 🕌 database-nic01	Network interface
Image: Properties Image: Statuse-nicl10 Network interface Image: Docks Image: Statuse-nicl1 Network interface		Policies database-nic02	Network interface
Locks detabase-nic11 Network interface detabase-nic12 Network interface		database-nic10	Network interface
Oddatase-IRC12 IVetwork interace		database-nic11	Network interface
Automation script Internation script Internation script International script		Locks database-nic12	Network interface
		Automation script	Network security group

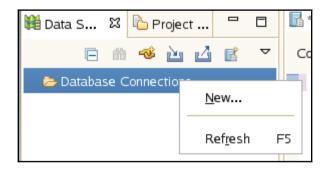
SETTINGS	Public IP address settings
Network security group	Public IP address Dirabled Enabled

🔚 Save 🗙 Discard
Assignment Dynamic Static
IP address
52.224.222.77
Idle timeout (minutes) 🛛
DNS name label (optional) 🛛
vptdc

Teradata Database O	DBC Driver 16.20 DSN Setup	
Data Source		
Name:	TdonAzure	
Description:		
Teradata Server Inf		
Name or IP address	tdonazure.eastus.cloudapp.azure.com	
Authentication		
🔲 Use Integrated	Security	
Mechanism:		
Parameter:	Ch	ange
Username:	dbc	
Password	•••••	
🔘 Teradata Wallet	t String	

viewpointip1		
P Search (Ctil+/)	$\mathcal{C}^{\mathcal{P}}$ Associate \longrightarrow Move $\widehat{\blacksquare}$ Delete	
Overview	Essentials ^	
		Location
Activity log	Tdc IP address	East US Subscription name (change)
Access control (IAM)	52.224 222 77	Pay-As-You-Go
Access control (LAM)	DNS name	Subscription ID
🖉 Tags	vptdc.eastus.cloudapp.azure.com	0a9430fb-10ea-40ba-8e90-0a23c0731bcd
	Provisial to	
SETTINGS	viewpoint-nic10 Virtual machine	
3111103	viewpoint-vm0	
🚔 Configuration		
0		

SUPPORT REQUEST 118011317458754 STATUS Closed TITLE Quota request - Cores Location- EASTUS DSv2 Ser DESCRIPTION Quota request - Cores Location- EASTUS DSv2 Series - 86



Connection Profile	
Connection Profile Types:	
Aster Database Hadoop Hortonworks	
😫 Teradata Database	
Na <u>m</u> e:	
New Teradata Database	
Description (optional):	

Select a d <u>r</u> iver from the drop	-down: Teradata Embedded JD	DBC Driver	 ••••••••••••••••••••••••••••••••••••							
Database Server Name: * localhost										
* User Name[Domain]:	User Name[Domain]:									
<u>P</u> assword:	•••									
Authentication Mechanism:	PASSWORD_PROTECTED		•							
<u>D</u> atabase:	PASSWORD_PROTECTED		=							
Save Pass <u>w</u> ord	KRB5 LDAP									
JDBC Connection Propertie	S									
CHARSET=UTF8 TMODE=ANSI	CHARSET=UTF8									
QueryBand = 'ApplicationName = [APPID]; Version = [VERSION]; ClientUser = [LOGONID];'										
 ✓ <u>C</u>onnect when the wizard completes Connect every time the workbench is <u>s</u>tarted 										
?		< <u>B</u> ack <u>N</u> ext >	Cancel <u>F</u> inish							

Conn	ection <u>P</u> rofile: N	ew Teradata Database (Ter
8 s	el * from dbo	.dbcinfo
1		
🔳 Tera	adata Result Set '	Viewer ¤
Result	Set - SQL Editor	(1) 🖾
	InfoKey	Info Data
1	LANGUAGE S	Standard
2	RELEASE	15.10.00.06
3	VERSION	15.10.00.07

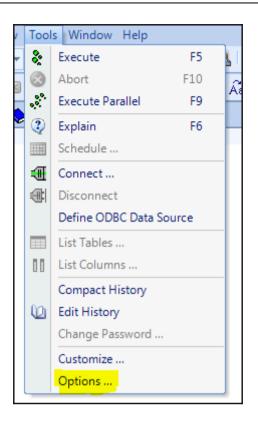
🗎 Data Source	Ex 陷 Project Explore	r 🖾 🗖		🚮 *SQL Editor 📄 *slq-1 📄 *sql-2 🖆 *Compare ('SQL/slq-1' - 'SQL/s	ql-2')	2		
			~	E Text Compare			🖗 🏺 🌳	4
🔻 😑 SQL				SQL/slq-1		SQL/sql-2		
📄 slq-1				sel * from dbc.dbcinfo]	sel * from dbc.dbcdbase		
🗎 sql-2	<u>N</u> ew	>						
	<u>O</u> pen							
	🖹 Сору	Ctrl+C						
	💼 Paste	Ctrl+V						
	💢 <u>D</u> elete	Delete						
	Mo <u>v</u> e							
	Rena <u>m</u> e	F2						
	🚵 Import							
	🖄 Exp <u>o</u> rt							
	શ Refresh	F5						
	Comp <u>a</u> re With	>						
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🖹 2 items sele	Neplace With							

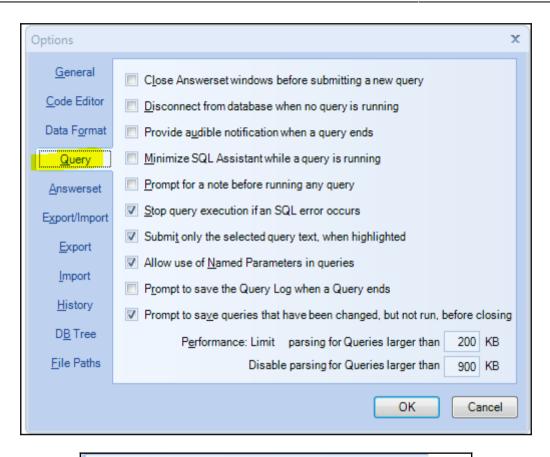
Connection <u>P</u> rofile:	New Teradata Database (Teradata) 🗘 💀 🗹 Autocommit 🖉 🗸 🗉							
sel * from d	bc.dbc							
	DBCAssociation							
	DBCAssociation_TD14							
	DBCInfo							
	DB CInfoTbl							
	DBCInfoV							

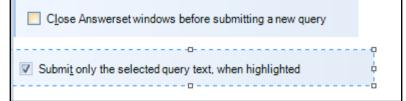
Object Viewer 없											ş 🗇 🗖 🖥
🖥 DBC ជ											
Database DBC											
r Details 🛛 🔒 Use	er Information	🔲 Tables	🔲 Views	🚺 Macros	🕴 Procedures	🟥 Indexes	📮 Jars	🔚 UDFs	🍰 Privileges	🎭 System Rights	». 6
Attribute	Value										🖶 Query Logging
Database Name	DBC										🖷 Access Logging
Database Type	User										🔓 Rights Held By
Owner	DBC										a Column Rights
Creator	DBC										🖹 Logon Rights
Access Count											요집 Connect Through Rights
Look Annon Data											

1	odbc 🚽 🐠 🗋 🗁 🛃 🦂 🐰 🗈 🛍 🧐 💛 ピ 🖓 🤐 🎍 灯 🖹	🔄 🗞 🔕 💸 🖌 🤄 🔲 🗐 🕘 🤘 📜 🖼 穎 互 🖬 🕅 其 🎞
	Select Data Source	Create New Data Source
File	File Data Source Look in: Libraries Documents Music Pictures Videos	Select a driver for which you want to set up a data source. Name V Microsoft Visual FoxPro-Treiber 1 SQL Server 6 Teradata 7.1 DB2 Wire Protocol 7 Teradata 7.1 DB2 Wire Protocol 7 Teradata 7.1 Oracle Wire Protocol 7 Teradata 7.1 Oracle Wire Protocol 7 Teradata 7.1 Oracle Wire Protocol 7
-)	DSN Name: New Select the file data source that describes the driver that you wish to connect to. You can use any file data source that refers to an ODBC driver which is installed on your machine. OK Cancel	Teradata 7.1 SQL Server Legacy Wire Protocol 7 Teradata 7.1 SQL Server Wire Protocol 7 Teradata Database ODBC Driver 16:00 1 < m Advanced << Back Next > Cancel

ODBC Driver Se	tup for Teradata Database							
Data Source -		ОК						
Name:	Cookbook	Cancel						
Description:		Cancel						
	,	Help						
_ Teradata Serv								
Name or IP address	localhost	÷						
Authentication	1							
🗌 🗌 Use Integr	ated Security							
Mechanism:	•							
Parameter:		Change						
Username:	dbc							
Password	***							
C Teradata V	Vallet String							
Optional		1						
Default Datab	ase:							
Account String	:	Options >>						
Session Charact	Session Character Set:							
ASCII								
1								



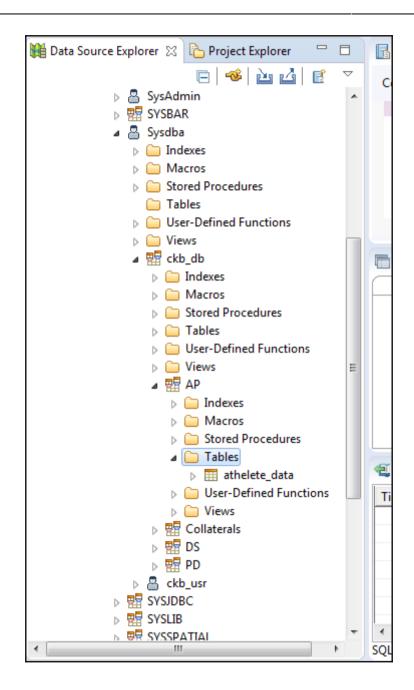




SUL					Query Builder		
SQL Statements		H	+ X				
SQL Statements				Feradata Version 14.10			
Procedure Builder			BYTEINT	SMALLINT INTEGER	R		
tim		≡	FLOAT		BIGINT DOUBLE PRECISION		
ALTER TABLE (Add Column))		BYTE(n)	VARBYTE(n) BLOB VARCHAR(n) LONG V/			
ALTER TABLE (Attributes)			GRAPHIC		LONG VARGRAPHIC		
ALTER TABLE (Constraint)			DATE	TIME(n) TIMEST	AMP(n)		
ALTER TABLE (Drop Column	n)			ATE) PERIOD(TIME(n))			
ALTER TABLE (Rename Col)			ST_GEOMETRY MBR CLOB TIME(n) WITH TIMEZONE NUMBER(n,p)				
ALTER TRIGGER				MP(n) WITH TIMEZONE			
ALTER TYPE (Attribute)				IMÈ(n) WITH TIMEZONE)			
ALTER TYPE (Method)				IMESTAMP(n) WITH TIMEZ			
BEGIN / END transaction				L YEAR TO MONTH L DAY TO HOUR			
BEGIN LOGGING (Access)			INTERVA	L DAY TO MINUTE	INTERVAL DAY		
BEGIN QUERY LOGGING			INTERVA	L DAY TO SECOND	INTERVAL HOUR		
CALL (Procedure)				L HOUR TO MINUTE	INTERVAL MINUTE INTERVAL SECOND		
COLLECT DEMOGRAPHICS	s			L MINUTE TO SECOND	INTERVAL SECOND		
COLLECT STATISTICS							

Connection <u>P</u> rofile: New T	ēradata Database (Teradata) 🗘 🖗 🗹 Autoc	ommit 🍠 🗸 🗉							
Sel * from dbc.db- ↓ Undo Typing Ctrl+Z									
	Cut	Ctrl+X							
<	⊆ору	Ctrl+C							
🛢 Object Viewer X	<u>P</u> aste	Ctrl+V							
er DBC 없	Togg <u>l</u> e Comment	Ctrl+/							
Database DBC	Execute All	Ctrl+Alt+X							
📅 Details 🛛 🔒 User Ir	E <u>x</u> ecute Selected Text	Alt+X							
Attribute	Execute as Individual Statements								
Database Name	Execute Selected Text As One Statement	Alt+C							
Database Type	Execute Current Text	Alt+S							
Owner									
Creator	Save as <u>T</u> emplate								
Access Count	Edit in SQL Query Builder	Alt+Q							
Last Access Date		AiitQ							
Account	Preferences								
Iournal Database Name	Input Methods	vvnaane In							

SELECT DBC."AccessLogV" FROM DBC."AccessLog"	-	ssLog"."LogDate" ON DBC."AccessLog"."LogDate	" = DBC."AccessLog	Y"."LogDate"	H
					9
		A 7			
AccessLog	\$		cessLogV ogDate ogonDate -	€ SELECT Statement	
DISTINCT					
Columns Conditions Groups	Group Conditions				
Column Opera	ator Value	AND/OR			



nport Data Import a file	into [New Terad to a Table	ata] AP.athe	elete_data									
Input File:	* C:\Users\A	3\Desktop\d		kBook\cha	p 1\tableau_te	st_sets\athl	etes.csv					
File Type:	Delimited Text											
Column l	abels in First Row											
Stop Load	ling If Max 20	Error(s)	Occur									
Lock Tab	3	Enor(3)	, occur									
	xisting Data											
Include N	2											
Include N												
- File Option	c											
Column De		Comma										
Column De	elimiter:											
Character S	itring Delimiter:	"										
Line Separa	itor:	Windows OS	(CR and LF)									
File Encodi		Cp1252										
Start Loadi	ng At Row Number	1										
id	name		nationality	sex	dob	height	weight	sport	gold	silver	bronze	
INTEGER	INTEGER	(CHAR	CHAR	VARCHAR	INTEGER	DECIMAL	VARCHAR	INTEGER	INTEGER	INTEGER	
id	name	1	nationality	sex	dob	height	weight	sport	gold	silver	bronze	
736041664	A Jesus Garcia	E	ESP	male	10/17/1969	1.72	64	athletics	0	0	0	

⊿ image Tables ▷ image Tables	-+-					
Diser-Defined		Teradata	•	-		_
Diews Collaterals		Data	•	₽,	Sample Contents	
📲 DS		Refresh	F5		Edit Data	
🚽 PD ckb_usr	3 0	Open in Property Form			Export Data Load Data	ma
JDBC LIB	_	2 966461542	nuli	-		ma

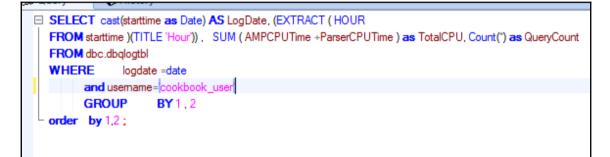
🚍 Data Transfer Wizard	×			
Click the 'Launch' button to launch the data transfer	Teradata [.]			
Data Transfer to Connection: New Teradata, Object: athelete_data				
Source Type: External File (FastLoad)	Teradata			
?	<u>C</u> lose			

Ouery (local) × History ×	Answerset 1 ×	
	country	code
ins into AP.countries (?.?)	1 Argentina	ARG
	2 American Samoa*	ASA
	3 Afghanistan	AFG
sel * from AP countries	4 Burundi	BDI
	5 Antigua and Barbuda	ANT
	6 Belize	BIZ
	7 Cape Verde	CPV
	8 Colombia	COL
	9 Bermuda*	BER
	10 Aruba*	ARU
	11 Albania	ALB

Options		x	
General Code Editor Data Format Query Answerset Export/Import Import History DB Tree File Paths	Use this delimiter between column Enclose column data in:	 Double Quote Single Quotes Nothing 	
OK Cancel			

Chapter 2: SQLs

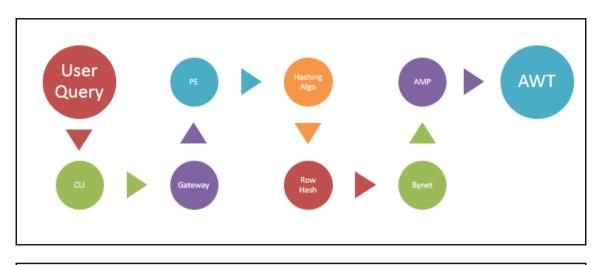
📨 Run	X				
	Type the name of a program, folder, document, or Internet resource, and Windows will open it for you.				
Open:	sqla 👻				
This task will be created with administrative privileges.					
	OK Cancel <u>B</u> rowse				

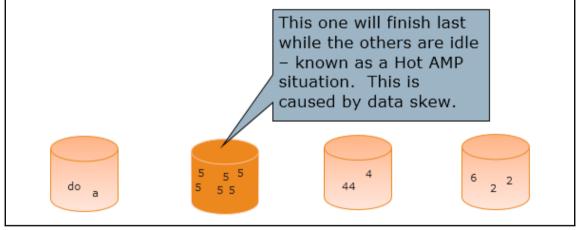


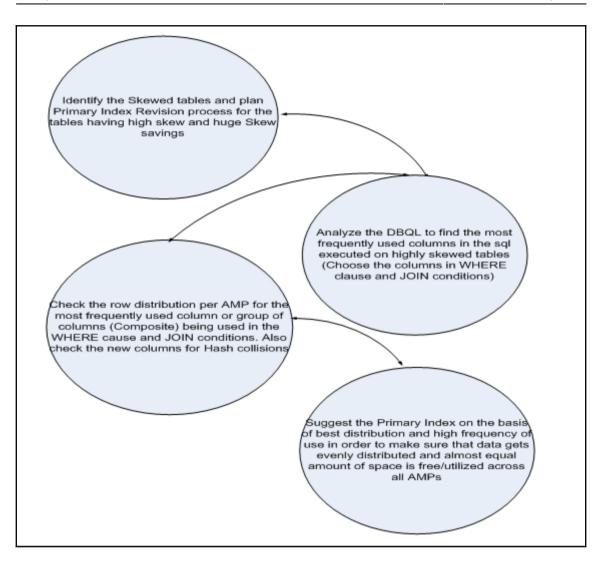
C:\Users\abhi_ckbk\bteq

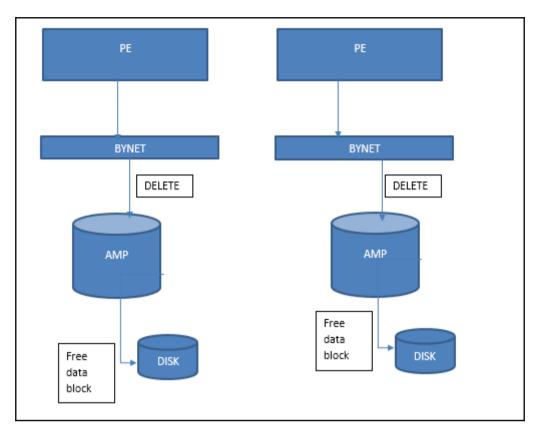
Teradata BTEQ 16.00.00.02 for WIN32. PID: 10392 Copyright 1984-2016, Teradata Corporation. ALL RIGHTS RESERVED. Enter your logon or BTEQ command: .logon local/username,password

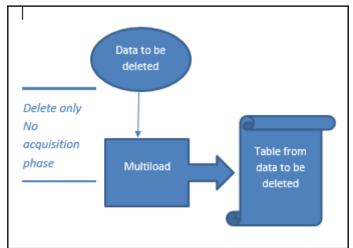
C:\Users\abhi_ckbk\bteq < test_script > log.txt





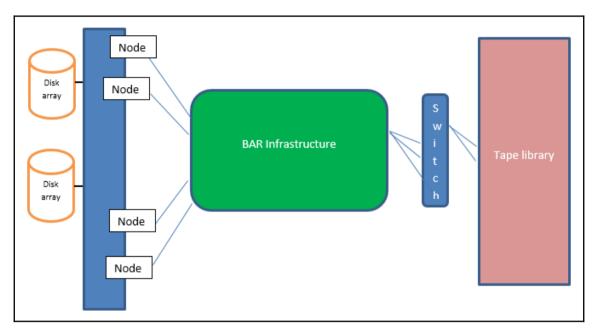


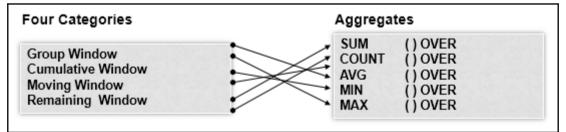


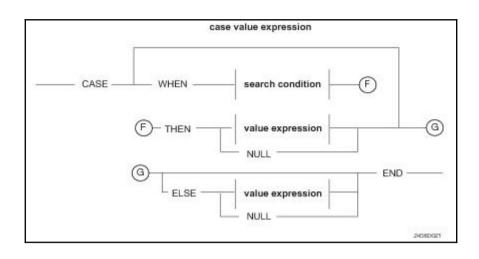


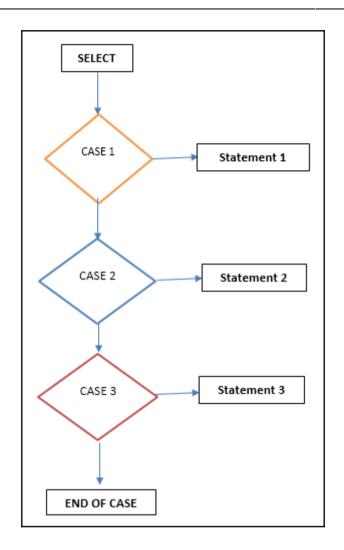
IF the source and target rows	THEN the merge operation is an
Satisfy the matching condition	update based on the specified WHEN MATCHED THEN UPDATE clause.
Do not satisfy the matching condition	insert based on the specified WHEN NOT MATCHED THEN INSERT clause.

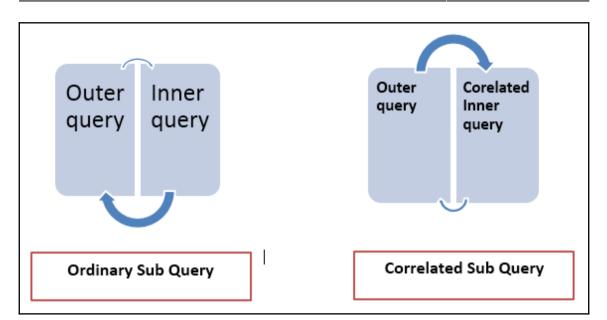
Chapter 3: Advanced SQL with Backup and Restore

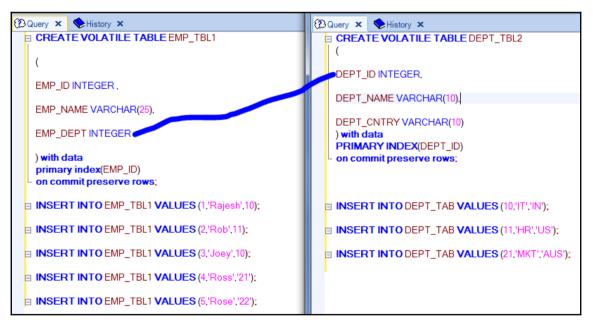






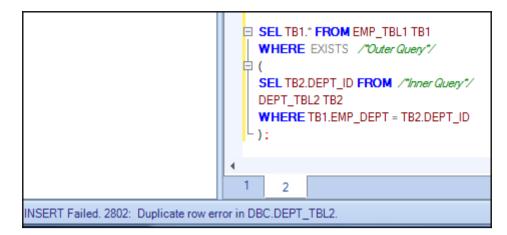


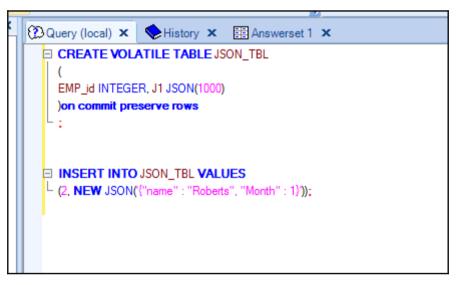




8		ry (local)		History	x	Answerset 1	×
	EMP _ID	EMP_N AME					
1	3	Joey	10				
2	1	Rajesh	10				
3	2	Rob	11				
4	4	Ross	21				

1) First, we do an all-AMPs RETRIEVE step from DBC. TB1 by way of an all-rows scan with no residual conditions into Spool 2 (all amps), which is redistributed by the hash code of (DBC.TB1.EMP DEPT) to all AMPs. Then we do a SORT to order Spool 2 by row hash. The size of **Spool 2** is estimated with high confidence to be **5 rows** (155 bytes). The estimated time for this step is 0.01 seconds. Next, we do an all-AMPs JOIN step from Spool 2 (Last Use) by way of an all-rows scan, which is joined to DBC. TB2 by way of an all-rows scan with a condition of ("NOT (DBC.TB2.DEPT ID IS NULL)"). Spool 2 and DBC. TB2 are joined using an inclusion merge join, with a join condition of ("(NOT (EMP_DEPT IS NULL)) AND (EMP_DEPT = DBC.TB2.DEPT ID)"). The result goes into **Spool 1** (group amps). which is built locally on the AMPs. The size of Spool 1 is estimated with index join confidence to be 5 rows (195 bytes). The estimated time for this step is 0.05 seconds. 3) Finally, we send out an END TRANSACTION step to all AMPs involved in processing the request. -> The contents of Spool 1 are sent back to the user as the result of statement 1. The total estimated time is 0.07 seconds.

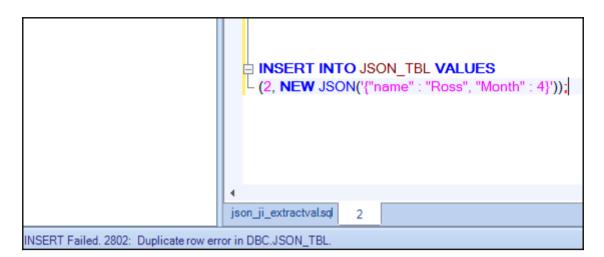


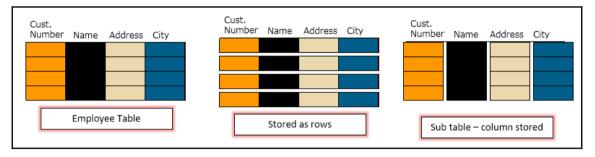


sel * from JSON_TBL	LOB Information
	Column Name J1
	File Name
	File Type txt
	Encoding OUTF8 OUnicode
	Write Byte Order Mark [BOM]
	Directory: C:\Users\AK186023\Documents
	OK Cancel

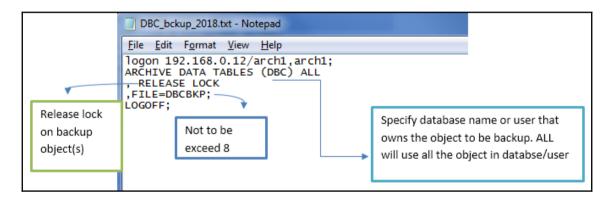


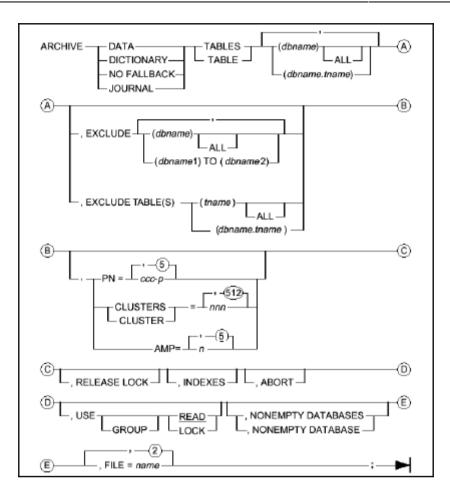
	- help stats JSON_TBL						
4							
js	on_ji_ext	ractval.sql	2				
	Answer	set 7 🗙					
	Date	Time	Unique Values	Column Names	Column Dictionary Names	Column SQL Names	Column Names UEscape
1	18/01/06	14:05:07		•	•	nen.	?
2	18/01/06	14:05:07		json_name_stats	json_name_stats	json_name_stats	?



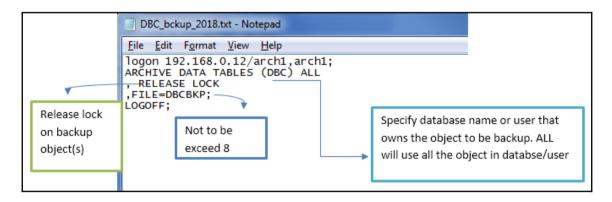


	Terminal	I I X
File Edit View Termina	ıl Help	
Your use is subject t	to the terms and conditions of	<u>^</u>
	rough agreement that brought you to this	
•	ADATA EXPRESS") EVALUATION AND DEVELOPMENT	
	SMENT), including the restriction that this	
	ppy is not for production use.	
TD-EXPRESS:~ # arcmai		
	Copyright 1989-2015, Teradata Corporation.	
01/06/2018 21:06:43	All Rights Reserved.	
01/06/2018 21:06:43	*** ****	
01/06/2018 21:06:43		
	***** **** * RELEASE: 15.10.00.02	
	* * * * * BUILD: 150152eLX64 (Sep 2 2015)	=
01/06/2018 21:06:43	* * * * ****	
01/06/2018 21:06:43		
	RESTARTLOG = ARCLOG180106_210643_11734.rlg	
01/06/2018 21:06:43		
01/06/2018 21:06:43	PARAMETERS IN USE:	
01/06/2018 21:06:43		
01/06/2018 21:06:43		
01/06/2018 21:06:43		
<u>0</u> 1/06/2018 21:06:44	CHARACTER SET IN USE: ASCII	

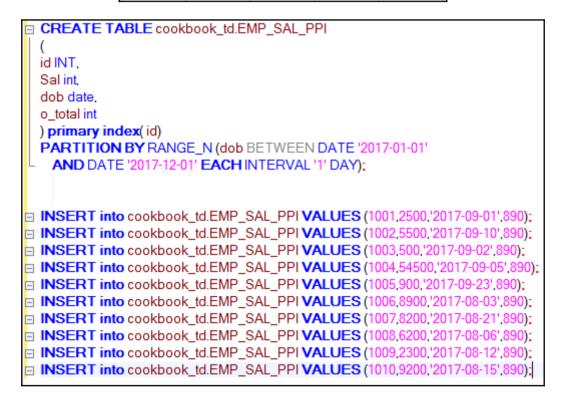




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evaluation copy is not for production use.	
TD-EXPRESS:~ # arcmain	
01/06/2018 21:06:43 Copyright 1989-2015, Teradata Corporation.	
01/06/2018 21:06:43 All Rights Reserved.	
01/06/2018 21:06:43	
01/06/2018 21:06:43 *** **** ****	
01/06/2018 21:06:43 * * * * * PROGRAM: ARCMAIN	
01/06/2018 21:06:43 ***** * * RELEASE: 15.10.00.02	
01/06/2018 21:06:43 * * * * * BUILD: 150152eLX64 (Sep 2 2015)	
01/06/2018 21:06:43 * * * * * * ****	
01/06/2018 21:06:43	
01/06/2018 21:06:43 RESTARTLOG = ARCLOG180106_210643_11734.rlg	
01/06/2018 21:06:43	
01/06/2018 21:06:43 PARAMETERS IN USE:	
01/06/2018 21:06:43	
01/06/2018 21:06:43	
01/06/2018 21:06:43	
01/06/2018 21:06:44 CHARACTER SET IN USE: ASCII	

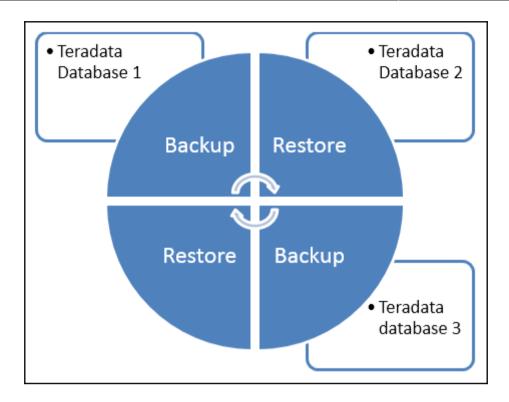


Column1	Column2	Column3	Со	lym	n4	Col	y∕v	14
			Ζ	с		4	С	
				0			0	
				I			I	
				u			u	
	ROW	_		m			m n	
		-		n				
								-



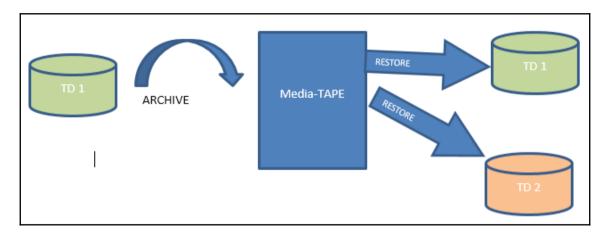
	Terminal	×
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the click th	rough agreement that brought you to this	
	ADATA EXPRESS") EVALUATION AND DEVELOPMENT	
	REMENT), including the restriction that this	
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TD-EXPRESS:~ # arcma		
	Copyright 1989-2015, Teradata Corporation.	
	All Rights Reserved.	
01/06/2018 21:06:43	***	
01/06/2018 21:06:43		
01/06/2018 21:06:43	TROGRAM. ARCHAIN	
01/06/2018 21:06:43		_
01/06/2018 21:06:43	* * * * * BUILD: 150152eLX64 (Sep 2 2015)	-
01/06/2018 21:06:43 01/06/2018 21:06:43		
	RESTARTION - ARCIOC180106 010640 11704 ml a	
01/06/2018 21:06:43	RESTARTLOG = ARCLOG180106_210643_11734.rlg	
01/06/2018 21:06:43	DADAMETEDS IN HSE.	
01/06/2018 21:06:43	FARAMEIERS IN USE.	
01/06/2018 21:06:43		
01/06/2018 21:06:43		
	CHARACTER SET IN USE: ASCII	
	Children off in odd, hoer	

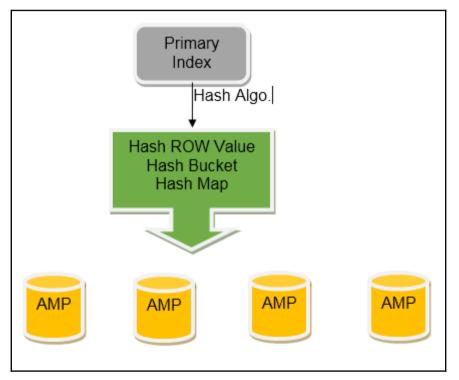
PPITBL_Bckup_2018.arc.txt - Notepad <u>File Edit Format View Help</u> .logon 192.168.0.12/arch1,arch1; ARCHIVE DATA TABLES (cookbook_td.EMP_SAL_PPI) (PARTITIONS WHERE (!dob Between DATE '2017-01-01' AND DATE '2017-12-01'!)) ,RELEASE LOCK, FILE=BKPPPI; LOGOFF;



Terminal	_
File Edit View Terminal Help	
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the click through agreement that brought you to this	
screen ("TERADATA EXPRESS") EVALUATION AND DEVELOPMENT	
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TD-EXPRESS:~ # arcmain	
01/06/2018 21:06:43 Copyright 1989-2015, Teradata Corporation.	
01/06/2018 21:06:43 All Rights Reserved.	
01/06/2018 21:06:43	
01/06/2018 21:06:43 *** **** ****	
01/06/2018 21:06:43 * * * * * PROGRAM: ARCMAIN	
01/06/2018 21:06:43 ***** * RELEASE: 15.10.00.02	
01/06/2018 21:06:43 * * * * BUILD: 150152eLX64 (Sep 2 2015)	1
01/00/2018 21.00.45	
01/06/2018 21:06:43	
01/06/2018 21:06:43 RESTARTLOG = ARCLOG180106_210643_11734.rlg	
01/06/2018 21:06:43	
01/06/2018 21:06:43 PARAMETERS IN USE:	
01/06/2018 21:06:43 01/06/2018 21:06:43	
01/06/2018 21:06:43	
01/06/2018 21:06:44 CHARACTER SET IN USE: ASCII	
UT/00/2010 21.00.14 CHARACTER SET IN USE. ASCII	

```
restore data tables (restore_db)
, release lock
, file = RETBL;
UTILITY EVENT NUMBER - 69
LOGGED ON 8 SESSIONS
STARTING TO RESTORE DATABASE "restore_db"
DICTIONARY RESTORE COMPLETED
"EMP" - 16 BYTES, 2 ROWS RESTORED
"EMP_SAL" - 20 BYTES, 4 ROWS RESTORED
"restore_db"- LOCK RELEASED
STATEMENT COMPLETED
logoff;
LOGGED OFF 8 SESSIONS
```



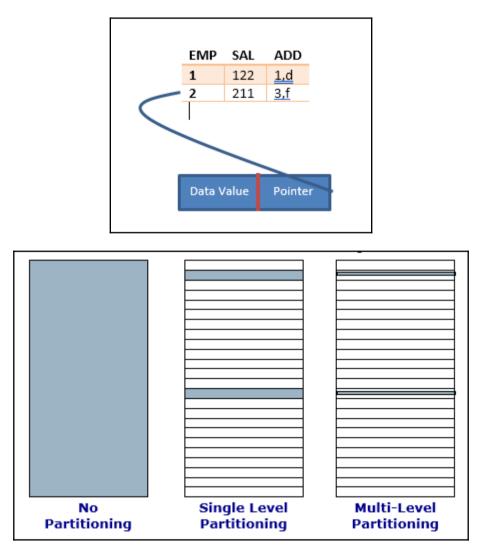


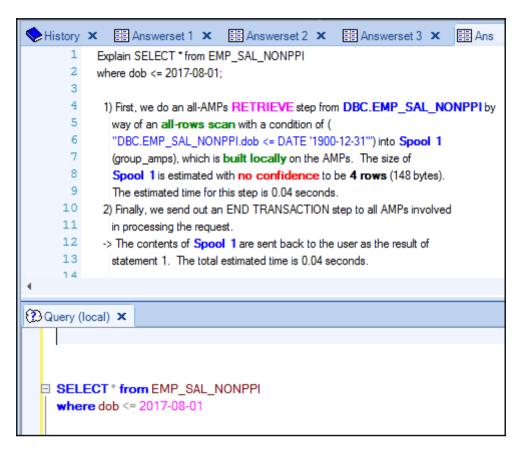
	⊟ S	el * fror	n td_o	cookbook.ldn_EMP_TBL
۰				
E	Ansv	verset 4	x	
	EMP _ID	Name	Sal	
1	5	Andrew	250	
2	3	Rob	2,500	
3	1	Rob	2,500	
4	6	Rose	232	
5	4	Rob	2,500	
6	2	Moss	2,322	

	CREATE SET TABLE DBC.idcol , FALLBACK ,
	NO BEFORE JOURNAL,
	NO AFTER JOURNAL,
	CHECKSUM = DEFAULT,
	DEFAULT MERGEBLOCKRATIO
	(
	TableId BYTE(6) NOT NULL,
	Databaseld BYTE(4) NOT NULL,
	AvailValue DECIMAL(18,0) FORMAT ',,,,9' NOT NULL,
	StartValue DECIMAL(18,0) FORMAT ',,,,,9' NOT NULL,
	MinValue DECIMAL(18,0) FORMAT ',,,9' NOT NULL,
	MaxValue DECIMAL(18,0) FORMAT ',,,9' NOT NULL,
	Increment INTEGER FORMAT ',,9' NOT NULL,
	Cyc CHAR(1) CHARACTER SET LATIN UPPERCASE NOT CASESPECIFIC NOT NULL)
	UNIQUE PRIMARY INDEX (TableId);
۰.	

	⇒ sel * from D	BC.idcol						
4								
E	Answerset 6 🗙							
	Tableld Δ	Databaseld	AvailV alue	StartV alue	MinValue	MaxValue 💧 🏹	Incre ment	Сус
1	00-00-02-01-00-00	00-00-01-00	1	1	1	2,147,483,647	1	Y
2	00-00-17-01-00-00	00-00-01-00	1	1	1	2,147,483,647	1	Y
3	00-00-72-0B-00-00	00-00-02-04	10,001	1	0	1,000,000	1	N
4	00-00-A3-09-00-00	00-00-F4-03	1	1	-999,999,999,999,999,999	999,999,999,999,999,999	1	N
5	00-00-A5-09-00-00	00-00-F4-03	1	1	-999,999,999,999,999,999	999,999,999,999,999,999	1	N
6	00-00-AA-09-00-00	00-00-F4-03	1	1	-999,999,999,999,999,999	999,999,999,999,999,999	1	N
7	00-00-EF-09-00-00	00-00-F5-03	1	1	-999,999,999,999,999,999	999,999,999,999,999,999	1	Y

Chapter 4: All about Indexes



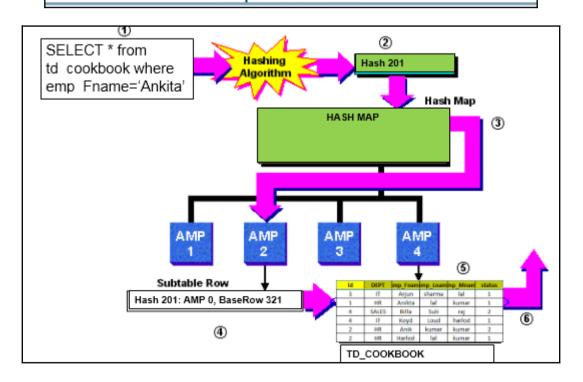


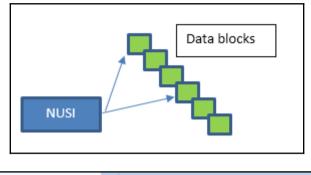


 First, we do an all-AMPs RETRIEVE step from a single partition of SYSDBA.EMP_SAL_PPI with a condition of ("SYSDBA.EMP_SAL_PPI.dob = DATE '2017-08-01"') with a residual condition of ("SYSDBA.EMP_SAL_PPI.dob = DATE '2017-08-01"') into Spool 1 (group_amps), which is built locally on the AMPs. The size of Spool 1 is estimated with no confidence to be 1 row (37 bytes). The estimated time for this step is 0.04 seconds.
 > The contents of Spool 1 are sent back to the user as the result of statement 1. The total estimated time is 0.04 seconds.

	.dept.emp_Fname.emp_Lname.status from td_cookbook.EMP_SAL e emp_Fname="%Anikta%"
	2 3 4
Answ	erset 9× 📰 Answerset 10 × 📰 Answerset 12 × 📰 Answerset 13 × 📰 Ans
3	where emp_Fname='%Anikta%';
4	
5	 First, we lock td_cookbook.EMP_SAL for read on a reserved RowHash
6	to prevent global deadlock.
7	Next, we lock td_cookbook.EMP_SAL for read.
8	We do an all-AMPs RETRIEVE step from td_cookbook.EMP_SAL by way of
9	an all-rows scan with a condition of (
10	"td_cookbook.EMP_SAL.emp_Fname = "%Anikta%"") into Spool 1
11	(group_amps), which is built locally on the AMPs. The size of
12	Spool 1 is estimated with no confidence to be 2 rows (118 bytes).
13	The estimated time for this step is 0.04 seconds.
14	4) Finally, we send out an END TRANSACTION step to all AMPs involved
15	in processing the request.

Teradata uses	То
Primary Index (PI)	satisfy an equality on an IN condition in a join.
Unique Primary Index (UPI)	ensure fastest access to table data.
Non-Unique Primary Index (NUPI)	 Perform a single-disk row selection or join process Avoid sorting or redistributing rows.
Unique Secondary Index (USI)	process requests that employ equality constraints.
UPIs to match values in one table with index values in another	ensure optimal join performance.
information from a single AMP	estimate the cost of using an index when statistics are not available.
	This assumes an even distribution of index values (an uneven distribution affects performance).
index based on more than one column (a composite index) only	process requests that employ equality constraints for all fields that comprise the index.
	You can define an index on a column that is also part of a multi-column index.

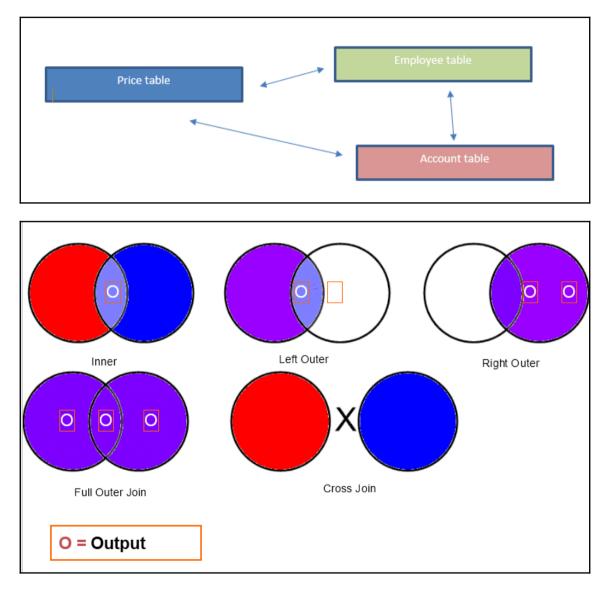


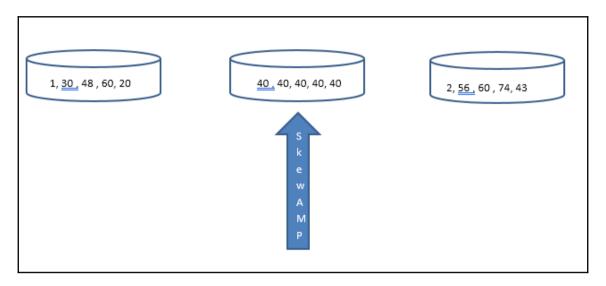




(D Query (I	ocal) 🗙 🥎 History 🗙 🧱 Answerset 1 🗙 🧱 Answerset 2 🗙 🗮 Answerset 3 🗙					
1	Explain sel id, dept from td_cookbook.EMP_SAL;					
2						
3	 First, we lock td_cookbooK.EMP_HASH_INX for read on a reserved 					
4	RowHash to prevent global deadlock.					
5	Next, we lock td_cookbooK.EMP_HASH_INX for read.					
6	We do an all-AMPs RETRIEVE step from td_cookbooK.EMP_HASH					
7	way of an all-rows scan with no residual conditions into Spool 1					
8						
9	9 Spool 1 is estimated with high confidence to be 6 rows (210 bytes).					
10						
11	Finally, we send out an END TRANSACTION step to all AMPs involved					
12	in processing the request.					
13	-> The contents of Spool 1 are sent back to the user as the result of					
14	statement 1. The total estimated time is 0.04 seconds.					
15						

Chapter 5: Mixing Strategies – Joining of Tables





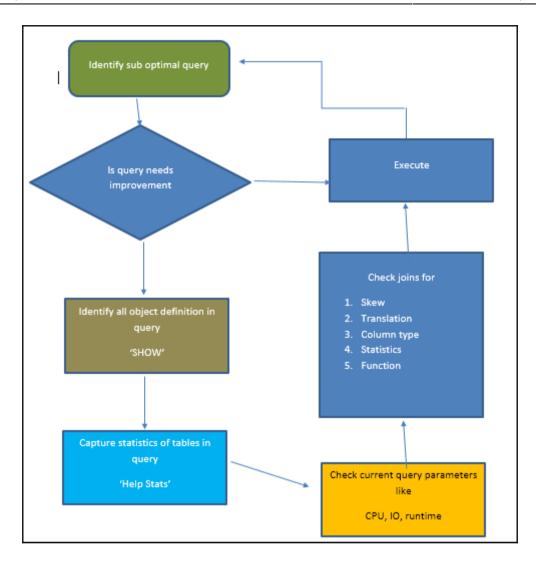
	U	L	1	0
	td_cookbook.A_with_skew		td_cookbook.B_with_nonskew	
Column1	Column2	Column3	cust_id	Sal
cust_id	Cust_name	City	1	2,000
?	Rakesh Jha	AJM	2	2,100
?	Tom A	CA	3	2,200
?	Namcie R	IN	4	2,400
?	Ab Kh	VIC	5	2,600
?	Man Jav	PUN	6	2,600
?	Rajesj Jav	MUM		
?	Donald T	NY		
?	Erica Sven	MS		
?	Holly W	TS		
2	Mnai W	BHK		
3	Raji W	HAD		
4	Raji W	HAD		

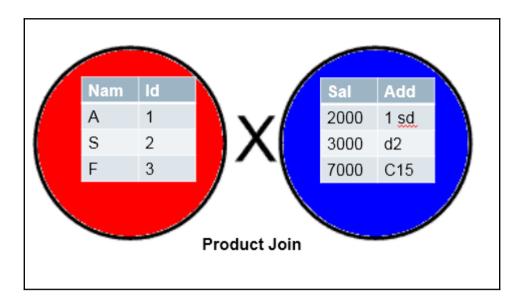
Count(*)
9
1
1
1

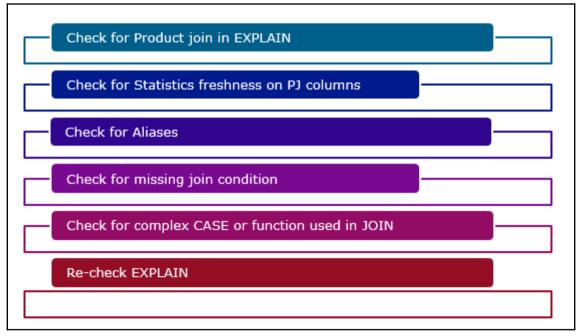
CUST_ID	Count(*)
1	1
4	1
2	1
6	1
3	1
5	1

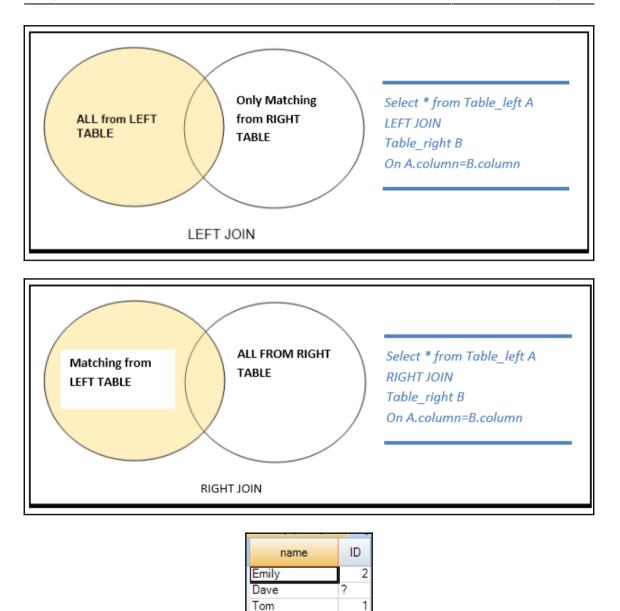
	td_cookbook.A_with_skew	
Column1	Column2	Column3
cust_id	Cust_name	City
-2	Rakesh Jha	MLA
-3	Tom A	CA
-4	Namcie R	IN

	METRIC	VALUE	THRESHOLDS		LAST 15 MINUTES
	CPU Utilization	57.3%			
	User	49.19%			
	System	8.114%	-		
2	Wait I/O	10.17%	-		
	Node CPU Skew	0.39%			
	Node I/O Skew	0.902%			
	AMP CPU Skew	2.246%			
	AMP I/O Skew	4.303%	•		
	AMP Worker Tasks	4	-	_	
	Total Disk Space	54.48%		_	
	Max Disk By AMP	55.98%		_	
	Component Down	0			
	Memory Used	40.3K			
	Max Spool By AMP	0.071%		_	
	Memory Failures	0			









Ross

Rosy

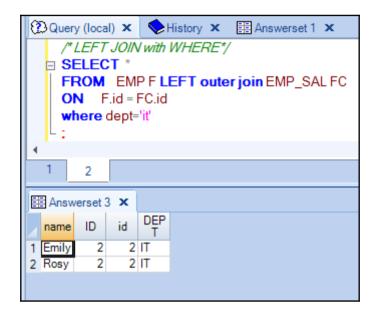
Mark

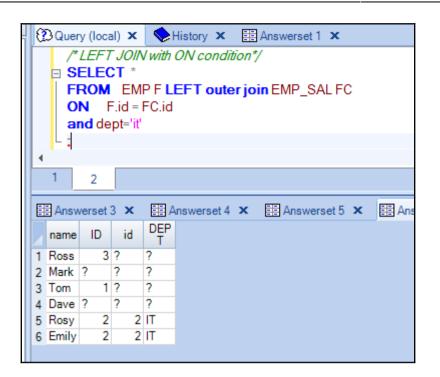
3

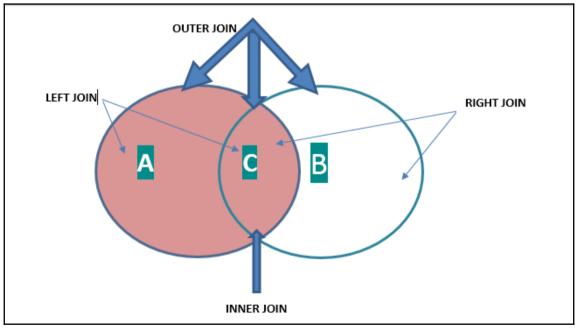
2

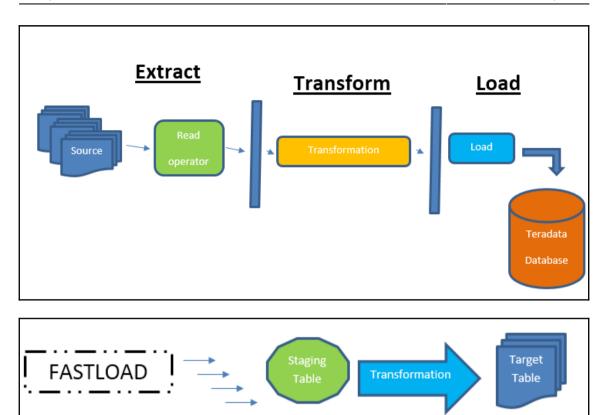
?

1	id	DEPT
	3	CMP
ľ	1	HR
	4	MGMT
	2	IT



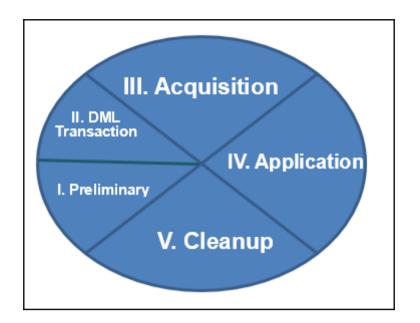






Programs (1) Teradata Fastload	Copyright 1984-2016, Teradata Corporation.	*
° See more results fastload	<pre></pre>	*

Administrator: C:\windows\system32\cmd.exe Microsoft Windows [Version 6.1.7601] Copyright <c> 2009 Microsoft Corporation. All rights reserved. C:\Users\^]'1^_022>fastload < dummy_fl > log_fl.log



```
File Edit View Tools Window Help
 ODBC
              - 📲 🗋 🗁 🛃 🛃 👗
 🔲 🖶 📧 📨 🕨 🔚 🖅 (…) /* 🥶
🕐 Query 🗙
             Selfistory X
     ** TARGET TABLE**
  create table accounts
    CUST_ID,
    CUST_NAME,
    Sal
    ) with data
    primary index (cust_id)
  insert values (1, will', 2000);
  insert values (2, bekky', 2800);
  insert values (3, himesh', 4000);
    ** SOURCE TABLE**
  🛱 create table Hr_payhike
    CUST_ID,
    CUST_NAME,
    Sal hike
    ) with data
    primary index (cust_id)
  insert values (1, 'will', 2030);
  insert values (1, bekky', 3800);
  insert values (3, 'himesh', 7000);
  UPDATE ACC
    FROM ACCOUNTS ACC , Hr_payhike SUPD
    SET Sal= TUPD.Sal_hike
    WHERE
   - Acc.CUST_ID = SUPD.CUST_ID;
```

	=
	= MultiLoad Acquisition Phase =
	=
****	10:15:04 UTY0817 MultiLoad submitting the following request:
****	BEGIN TRANSACTION; 10:15:04 UTY0817 MultiLoad submitting the following request:
	CHECKPOINT LOADING INTERVAL 0;
	10:15:04 UTY0817 MultiLoad submitting the following request: CHECKPOINT LOADING INTERVAL 0;
****	10:15:05 UTY0817 MultiLoad submitting the following request: CHECKPOINT LOADING INTERVAL 0;
****	10:15:06 UTY0817 MultiLoad submitting the following request:
	USING Ckpt(VARBYIE(1024>> INSERT SYSDBA.Restartlog723_mld (Logty Seq, MLoadSeq, MLoadImpSeq, MLoadSrcSeq,
	MiscInt1,MiscInt2,MiscInt3,MiscInt4, MiscInt5,MiscInt6,MiscInt7,MiscInt8,CkptInterval,byteflag,MLoadCkpt>
	UALUES (110, 1, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, :Ckpt); 10:15:06 UTY0817 MultiLoad submitting the following request:
	CHECKPOINT LOADING INTERVAL 0;
****	10:15:07 UTY0817 MultiLoad submitting the following request: USING Ckpt(VARBYTE(1024>) INSERT SYSDBA.Restartlog723_mld (Logty
	Seg, MLoadSeg, MLoadImpSeg, MLoadSrcSeg,
	MiscInt1,MiscInt2,MiscInt3,MiscInt4, MiscInt5,MiscInt6,MiscInt7,MiscInt8,CkptInterval,byteflag,MLoadCkpt>
****	VALUES (110, 1, 1, 1, 0, 4, 4, 4, 4, 0, 0, 0, 0, 0, 1, :Ckpt); 10:15:07 UTY0826 A checkpoint has been taken, recording that end of file
	has been reached for IMPORT 1 of this MultiLoad Import task.
	10:15:07 UTY0817 MultiLoad submitting the following request: CHECKPOINT LOADING INTERVAL 1;
жыны	10:15:08 UTY0817 MultiLoad submitting the following request: USING Ckpt(UARBYTE(1024>> INSERT SYSDBA.Restartlog723_mld
	(Logtype, Seq, MLoadSeq, MLoadImpSeq, MLoadSrcSeq,
	MiscInt1,MiscInt2,MiscInt3,MiscInt4, MiscInt5,MiscInt6,MiscInt7,MiscInt8,CkptInterva1,byteflag,MLoadCkpt)
****	VALUES (110, 1, 2, 1, 0, 4, 4, 4, 4, 0, 0, 0, 0, 1, 1, :Ckpt); 10:15:08 UTY1803 Import processing statistics
	. IMPORT 1 Total thus far
	Candidate records considered: 4 4
	Apply conditions satisfied: 4 4 Candidate records not applied: 0 0 Candidate records rejected: 0 0
	Candidate records rejected:
~~~~	Elapsed time: 00:00:04
	CPU time: 0.0156001 Seconds MB/sec: 2.5e-005
****	MB/cpusec: 0.00641022 10:15:08 UTY0817 MultiLoad submitting the following request:
	CHECKPOINT LOADING INTERVAL 1;
	10:15:09 UTY0817 MultiLoad submitting the following request: CHECKPOINT LOADING INTERVAL 1 END;
****	10:15:11 UTY0817 MultiLoad submitting the following request: INS SYSDBA.Restartlog723_mld (LogType, Seq, MLoadSeq)UALUES(130, 1, 30);
	The starbh. Mestartiogran_mu (hogiype, seq, mbdadseq/onLocation, 1, 50),



Price_ma	itch.txt - N	Votepad	ł	
	F <u>o</u> rmat ',210 2',560 '5',70( 6 ',890		<u>H</u> elp	

	=
	= MultiLoad Acquisition Phase =
	=
****	10:15:04 UTY0817 MultiLoad submitting the following request:
****	BEGIN TRANSACTION; 10:15:04 UTY0817 MultiLoad submitting the following request:
	CHECKPOINT LOADING INTERVAL 0;
	10:15:04 UTY0817 MultiLoad submitting the following request: CHECKPOINT LOADING INTERVAL 0;
****	10:15:05 UTY0817 MultiLoad submitting the following request: CHECKPOINT LOADING INTERVAL 0;
****	10:15:06 UTY0817 MultiLoad submitting the following request:
	USING Ckpt(VARBYIE(1024>> INSERT SYSDBA.Restartlog723_mld (Logty Seq, MLoadSeq, MLoadImpSeq, MLoadSrcSeq,
	MiscInt1,MiscInt2,MiscInt3,MiscInt4, MiscInt5,MiscInt6,MiscInt7,MiscInt8,CkptInterval,byteflag,MLoadCkpt>
	UALUES (110, 1, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, :Ckpt); 10:15:06 UTY0817 MultiLoad submitting the following request:
	CHECKPOINT LOADING INTERVAL 0;
****	10:15:07 UTY0817 MultiLoad submitting the following request: USING Ckpt(VARBYTE(1024>) INSERT SYSDBA.Restartlog723_mld (Logty
	Seg, MLoadSeg, MLoadImpSeg, MLoadSrcSeg,
	MiscInt1,MiscInt2,MiscInt3,MiscInt4, MiscInt5,MiscInt6,MiscInt7,MiscInt8,CkptInterval,byteflag,MLoadCkpt>
****	VALUES (110, 1, 1, 1, 0, 4, 4, 4, 4, 0, 0, 0, 0, 0, 1, :Ckpt); 10:15:07 UTY0826 A checkpoint has been taken, recording that end of file
	has been reached for IMPORT 1 of this MultiLoad Import task.
	10:15:07 UTY0817 MultiLoad submitting the following request: CHECKPOINT LOADING INTERVAL 1;
жыны	10:15:08 UTY0817 MultiLoad submitting the following request: USING Ckpt(UARBYTE(1024>> INSERT SYSDBA.Restartlog723_mld
	(Logtype, Seq, MLoadSeq, MLoadImpSeq, MLoadSrcSeq,
	MiscInt1,MiscInt2,MiscInt3,MiscInt4, MiscInt5,MiscInt6,MiscInt7,MiscInt8,CkptInterva1,byteflag,MLoadCkpt)
****	VALUES (110, 1, 2, 1, 0, 4, 4, 4, 4, 0, 0, 0, 0, 1, 1, :Ckpt); 10:15:08 UTY1803 Import processing statistics
	. IMPORT 1 Total thus far
	Candidate records considered: 4 4
	Apply conditions satisfied:       4       4         Candidate records not applied:       0       0         Candidate records rejected:       0       0
	Candidate records rejected:
~~~~	Elapsed time: 00:00:04
	CPU time: 0.0156001 Seconds MB/sec: 2.5e-005
****	MB/cpusec: 0.00641022 10:15:08 UTY0817 MultiLoad submitting the following request:
	CHECKPOINT LOADING INTERVAL 1;
	10:15:09 UTY0817 MultiLoad submitting the following request: CHECKPOINT LOADING INTERVAL 1 END;
****	10:15:11 UTY0817 MultiLoad submitting the following request: INS SYSDBA.Restartlog723_mld (LogType, Seq, MLoadSeq)UALUES(130, 1, 30);
	The starbh. Mestartiogran_mu (hogiype, seq, mbdadseq/onLocation, 1, 50),

	Answer	set 1	x 🏥
	sym ⊽ bol ⊽	id	open_s hare
1	YAHOO	3	70
2	UB	4	20
3	tdc	1	210
4	MSFT	6	890
5	Goog	2	560
6	Appl	?	5

🗄 Answerset 1 🗙 📑								
	sym ⊽ bol ⊽	id	open_s hare					
1	YAHOO	3	70					
2	UB	4	20					
	tdc	1	210					
4	MSFT	6	890					
5	Goog	2	560					
6	Appl	?	5					

Chapter 6: Building Loading Utility – Replication and Loading

Terminal	_		×
File Edit View Terminal Help			
Your use is subject to the terms and conditions of the click through agreement that brought you to this screen ("TERADATA EXPRESS") EVALUATION AND DEVELOPMENT LICENSE AGREEMENT), including the restriction that this evaluation copy is not for production use.			~
TD-EXPRESS:~ # ip addr •			
<pre>1: lo: <loopback,up,lower_up> mtu 16436 qdisc noqueue state UNKNOWN link/loopback 00:00:00:00:00 brd 00:00:00:00:00:00 inet 127.0.0.1/8 brd 127.255.255.255 scope host lo inet 127.0.0.2/8 brd 127.255.255.255 scope host secondary lo inet6 ::1/128 scope host valid_lft forever preferred_lft forever</loopback,up,lower_up></pre>			II
2: eth0: <broadcast,multicast,up,lower_up> mtu 1500 qdisc pfifo_fast state</broadcast,multicast,up,lower_up>	e UP	, d	L
<pre>en 1000 link/ether 00:0c:29:2a:91:f3 brd ff:ff:ff:ff:ff:ff inet6 fe80::20c:29ff:fe2a:91f3/64 scope link tentative flags 08 valid_lft forever preferred_lft forever TD-EXPRESS:~ #</pre>			

🙀 Te	eradata Paralle	l Transporter		-	- O X
<u>F</u> ile	Edit Jobs	<u>H</u> elp			
	🗋 <u>N</u> ew	Ctrl-N			
	🗾 <u>E</u> dit	Ctrl-E	Name	Description	
	X <u>D</u> elete	Ctrl+Shift-D		Description	
	🤰 <u>R</u> efresh	F5			
	<u>E</u> nable L	og F11			

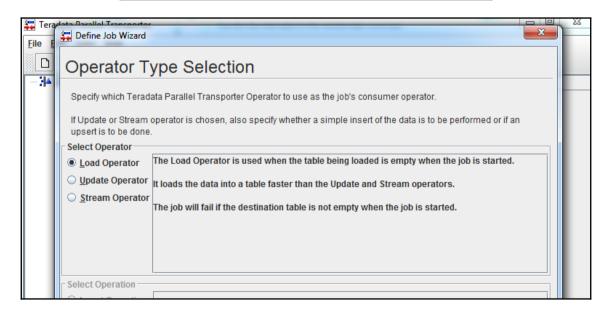
Eil	🛱 Define Job W	Vizard	X	233
	Job Nar	me/Description		
	Specify the jo Job <u>N</u> ame:	b's name, description and character set. tpt_source		E
	Description:	tpt_source		

🙀 Tera		23
<u>File</u>	E Define Job Wizard	
	Job Source	
-,1-	Select the type of the source of the job's data. Then fill in the information for the selected data source type.	F
	Source Specification	
	Source Type: Teradata Table 💌	
	Teradata Logon	
	Teradata Host tpt_source	
	User ID tpt_source	
	Password	
	Authentication Mechanism	
	Include User ID in Generated Job	
	V OK X Cancel	

🙀 Terad	Teradata Davallol Transmoster						
	🙀 Define Job Wizard					23	
	Job Destination						
	Select the type of the destination of the job's data. Then fill in the information for the selected data destination type.						
	Destination Specification						
	Des <u>t</u> ination Type: Teradata Table 💌						
	- I TPOC_CDBOR_PREP	-	Ī	Name	TPT Type	1	
1 II	TPOC_CSTMR_DTL_LOAD		S	symbol	Char(10)	CHA	
	TPOC_SRCRM_PREP			d	Char(2)	CHA	
	─ III tpt_source ─ III TRAIL		0	open_share	Decimal/Numeric(18,0)	DEC	
	Tse1201_Crrr_back						
	— III ttemp						
	— Ⅲ TTT2						
	- III tuning	=					
	UNICA CAMPAGIN		- 3				

📮 Define Job Wizard
Job Destination
Select the type of the destination of the job's data. Then fill in the information for the selected data destination type. Destination Specification Destination Type:

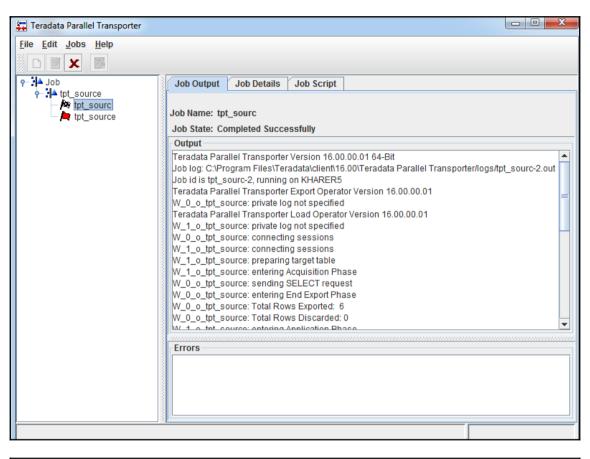
Teradata Logon
Teradata Host
UserID
Password
Include User D in Generated Job 🛛 🗖 Include Password in Generated Job
V OK X Cancel

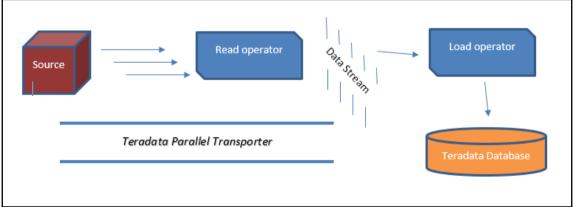


🙀 Terav <u>F</u> ile <u>E</u>	Define Job Wizard	1		23
	Map Source to Desti	nation		
-34	For each destination column to receive Insert Statement	a value, select the name of the source col	umn whose value will be assigned.	
	Source	Destination		
	symbol/Char(10)	symbol/Char(10)		
	id/Char(2)	id/Char(2)		
	open_share/Decimal/Numeric(18,0)	open_share/Decimal/Numeric(18,0)		

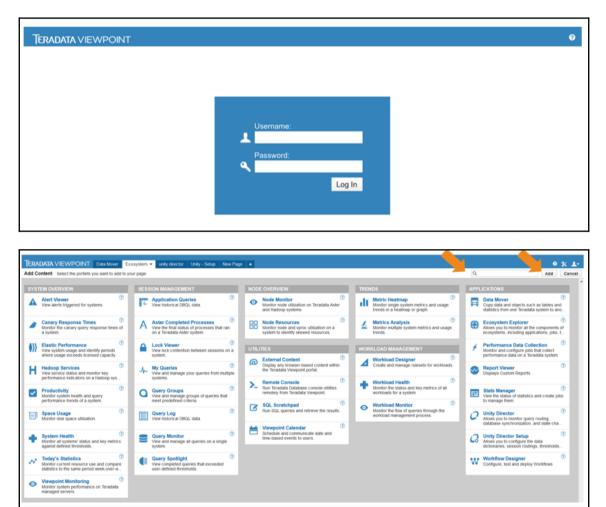
Eile g Define Job Wizard	
E Finish Job	
Below is a summary of the job's definition. Pressing the "Finish" button will save the job and, if the Run Job Now checkbox is checked, run the job.	
Job Name: tpt_source Description: tpt_source Character Set: Platform Default Data Source Teradata Table Source System Name: 127.0.0.2 Databasename: Cookbook_tpt Table Name: tpt_source Columns Name Type Symbol Char(10) Id Char(2) Open_share Decimal/Numeric(18,0) Data Destination System Name: 127.0.0.4 Databasename: Cookbook_tpt_target Table Name: tpt_source Columns	
Run Job Now	
Back As Einish	X Cancel

🙀 Teradata Para	llel Transporter		
<u>File Edit Jobs</u>	s <u>H</u> elp		
	7		
P I Job	🕎 Run Job		
tpt_se	Job Name: tpt_source		
	Checkpoint Interval:		
	Retry Limit:		
	Latency Interval:		
	Enable <u>T</u> race		
	Job Attributes		
	Attribute Name	Value	
	TeradataDestinationUser	tpt_source	
	TeradataDestinationPassword	•••••	
	TeradataSourceUser	tpt_source	
	TeradataSourcePassword	•••••	
	Teradata Parallel Transporter Script		



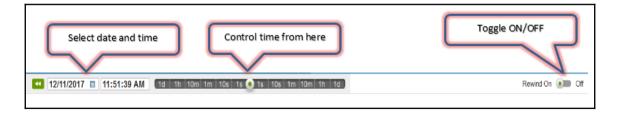


Chapter 7: Monitoring the better way



Top session REQ CPU	s by:										
365	34	21	0	0	0	12	331	0	0	1	
All	Not idle	Active	e Block	Delay	Abort	Resp	Idle	Parse	Other	QTDel	
SESSION ID	IN STAT	TE 💌	STATE 1	ΔCPU	ΔΙ/Ο	WOR	KLOAD	CPU SKEW	SPOO	L	U 🔻
filter				filter	filter	filte	r	filter	filter		filt
171768457	0:24:50)	+++	0	0			99.87	0		EDV
171768456	0:24:50	0	+++	0	0			99.87	0		EDV
171768458	0:24:50	0	+++	0	0			99.87	0		EDV
171768459	0:24:50	0	+++	0	0			99.87	0		EDV
171771715	0:06:50	0	+++	0.002	0			99.87	0		EDV
171771694	0:06:50	0	***	0	0			99.87	0		EDV
171771720	0:06:50	0	+++	0.004	0			99.87	0		EDV
171771714	0:06:50	0	+++	0.004	0			99.87	0		EDV
171771716	0:06:50	0	***	0.004	0			99.87	0		EDV

CPU Ske	w v		Click on column						
278	217	81	name to sort	0	6	61	2	0	-
All	Not Idle	Activ		Abort	Resp	Idle	Parse	Unkno	•
IN ST	SESSIO	STAT	The state of the s	MPACT CPL -	PJI	<u>Δ1/O</u>	WORKLOAD)	
0:36:50	66686901	19.9	0		0	0			
0:36:50	66686902	10.0	0		0	0			- 1
0:36:50	66686903	10.0	0		0	0			
0:36:50	66686904	19.9	0		0	0			
0:36:50	66686905	10.0	0		0	0			
0:36:50	66686906	10.8	0.001		0	0			
0:36:50	66686907	10.0	0.001		0	0			
0:36:50	66686908	10.0	0.001		0	0			
0:36:50	66686909	10.8	0.001		0	0			
0:36:50	66686910	10.0	0.001		0	0			
0:36:50	66686911	10.0	0.001		0	0			
0:36:50	66686912	10.8	0.001		0	0			
0:36:50	66686913		0.001		0	0			
0:36:50	66686914	10.0	0.001		0	0			
0:36:50	66686915	10.0	0.001		0	0			
0:36:50	66686916	10.0	0		0	0			
0:36:50	66686919	19.9	0		õ	0			
0.90.50	eeenennn		0		0	0			



	Click	on properties tab select config colu		↑ Dra	gure Columns g the rows to reord	
1 Delay	0 Abort	6 335 Resp Idle	1 Parse		SESSION ID	contraction are net when scroning tonzonicany.
SPOOL 0 0 0	ΔCPU 0 0 0	0 27.89 0	Clear Filters Configure Columns Abort		START STATE USERNAME STATE ICON	Click option to set values
0 0 0 0	0 0 0.002 0	0 99.21 0 99.21	Change Workload Release Export		DURATION REQ CPU SPOOL	Set Threshold Set Threshold Set Threshold

Select system name, an time period	ıd		Rewind query s	$\overline{\langle}$	ナ cf 〒 + 次 /13/17 4:13 PM
START	DURATION -	IMPACT CPU	REQ CPU	UNNECESSAF	PJI T
		filter	filter	filter	filter
10/19/17 6:51:03 AN	0:00:06	441.5	0.176	0.063	16
10/23/17 9:23:05 AN	0:00:06	1.01K	375.9	4.292	0.233
10/23/17 9:23:05 AN	0:00:06	5.15K	273.4	1.572	0.636
10/19/17 9:33:01 AN	0:00:08	1.2K	500.4	3.193	0.313
10/23/17 1:28:03 PM	0:00:08	1.53K	645	2.262	0.442
10/23/17 1:28:03 PM	0:00:08	1.54K	674.6	2.313	0.432
11/13/17 8:50:07 AM	0:00:08	2.55K	704.8	2.994	0.334
10/19/17 3:04:01 PN	0:00:08	1.79K	794.2	2.122	0.471
10/19/17 3:04:01 PM	0:00:08	1.79K	794.7	2.167	0.462
11/12/17 9:12:02 PM	0:00:09	4.47K	558	3.487	0.287
11/12/17 9:12:02 PN	0:00:09	1.63K	729.2	2.401	0.417
11/12/17 9:12:02 PN	0:00:09	1.59K	712.6	2.402	0.416
11/12/17 9:12:02 PN	0:00:09	1.91K	835.5	2.743	0.365
11/12/17 9:12:02 PN	0:00:09	1.28K	565.5	3.503	0.285
11/9/17 12:10:00 PN	0:00:09	1.15K	505.7	3.128	0.32
•					•





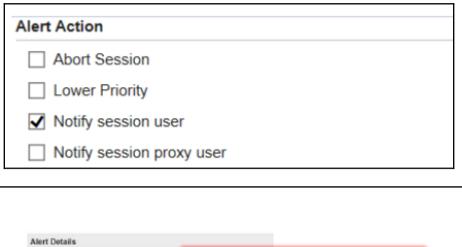
Setup Options	Delivery Types
Delivery Settings	Alert Viewer
Alert Presets	Email
Alert Exceptions	SNMP
Database User Alerts	SQL Queries
	Notification Service
	Windows
	Linux

Email Details
SMTP Host:* SMTP address Enable email 🔲 Use SSL
Port
 Use default port Enter port number
Server Timeout
Server Timeout.* 30 seconds
Login
 Anonymous login Enter credentials
Reply-To
Email Address:* Teradata.DBA. Email address
Display Name:
Advanced Options
Advanced (Optional Java mail):



Alert Details			
Alert Name: * TJ Alert Severity: * Critical	•	Enable alert	
Table:	DBC.TransientJ	ournal	
Current Perm	>	1000 MB	
Skew	>	90 %	
Alert Action			
Alert Action Action: * Administr	ator Default	•	
	ator Default 90 minutes	•	
Action: * Administr		▼.	
Action: * Administr Do not run twice in	90 minutes	•	

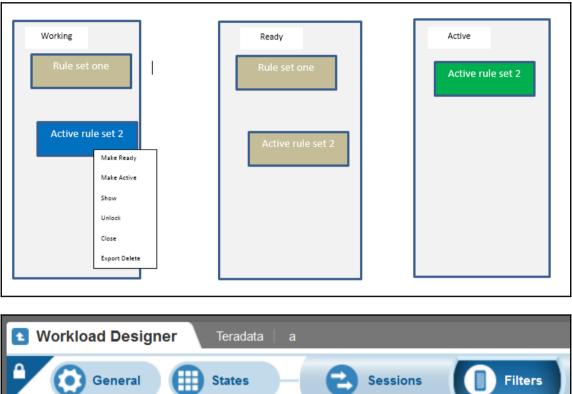
_

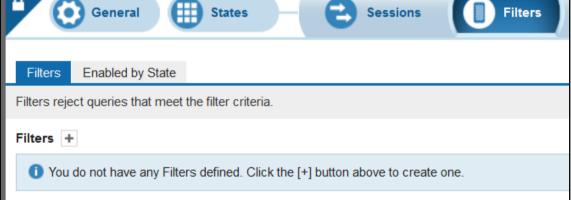


Vert Name: *	TableSpace TJ alert	Enable alert	
Severity: *	High v		

Days: Monday V through Friday V	Core Hours: Monday through Friday, 9:00 AM to 5:00 PM
Time: 24 hours 9:00 AM V through 5:00 PM V	Evening Hours: Monday through Friday, 5:00 PM to 9:00 AM Weekend Hours: Friday 5:00 PM through Monday 9:00 AM
Time Zone: (GMT+00:00) GMT (no daylight saving)	×

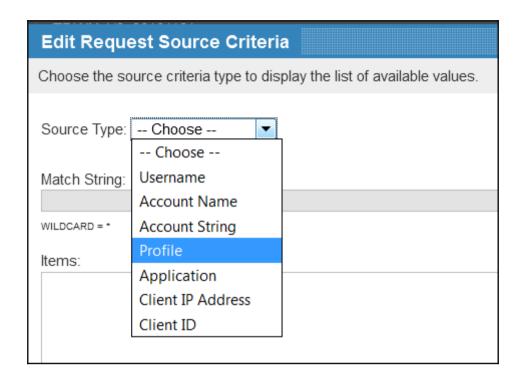
General 🕀 State	es - 🔁 Sessions	Filters
		•



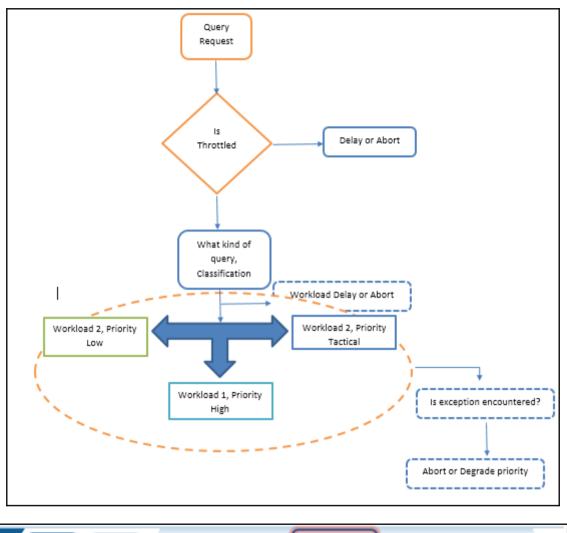


🚹 Workle	oad Designer	Teradata a	
New Filte	ər		
General	Classification	State Specific Settings	
Name: Description:]
Warning			

General	Classification	State Specific Settings	
Classificatio	on criteria determi	ne the queries to which this th	hrottle will be applied.
Add Classif	ication Criteria R	Request Source	Add
		arget Juery Characteristics	
		Query Band	



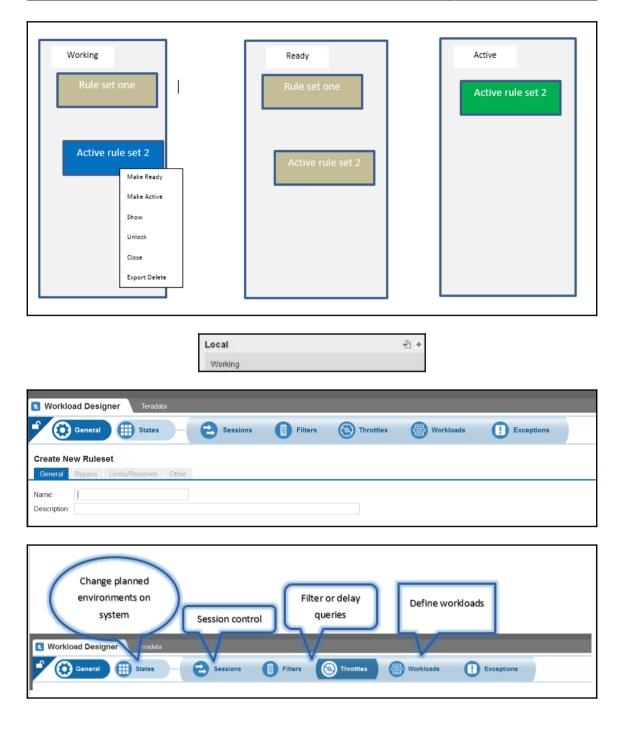
Classification criteria determine the queries to which this throttle will be applied.
Add Classification Criteria Request Source Add
Request Sources
Request Source Include: (Profiles: *) Exclude:



General III States - Exceptions II Filters Workloads II Exceptions

New Thro	ottle	
General	Classification	State Specific Settings
Name:		
Description:		
Rule Type:		
Collecti	ive: one queue for	r all matched queries
Individu	ual: one queue for	each DB object
Member	r: one queue for e	ach user
Disable	manual Release	or Abort

Default Settings	
Concurrency Limit: Unlimited 10	
● Delay● Reject	



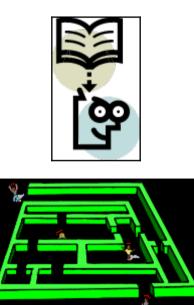
Make Ready Make Active View/Edit Show All Export	
Workload Designer Teradata	
Import Ruleset	
Name:	
File: Browse No file selected.	
Save Reset	
General 🜐 States — 🔁 Sessions 🚺 Filters 🛞 Throttles]
General Classification Throttles Service Level Goals Exceptions	
General	
Name: User IO skew notification only	
Description: user io skew	

Criteria		
Exception Criteria:	Choose 🔻	+
	Choose	
	Maximum Spool Rows	
	Spool Usage (bytes)	
	Number of AMPs	
	Blocked Time	
	Elapsed Time	
	I/O Count	
	CPU Time	
(*) Qualification Time	CPU Skew Percent	nds
	I/O Skew Percent	
Actions	CPU Skew Difference	
Notification Only	I/O Skew Difference	
Abort	CPU Disk Ratio	
Abort Selects O	I/O Physical Bytes	

ions		
Notification Only		
Abort		
Abort Selects O	nlv	
State Selects o	,	
ifications:		
	Select your team dl-	 •
ifications:	- -	* *
fications:	- -	

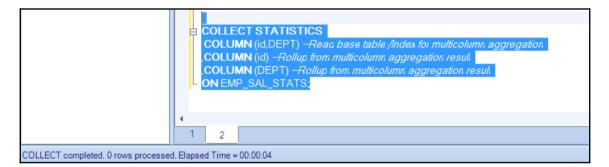
Choose
Choose
Maximum Spool Rows
Spool Usage (bytes)
Number of AMPs
Blocked Time
Elapsed Time
I/O Count
CPU Time
CPU Skew Percent
I/O Skew Percent
CPU Skew Difference
I/O Skew Difference
CPU Disk Ratio
I/O Physical Bytes

Chapter 8: Collect Statistics the Better Way



Statistics Version	Teradata Database Release Introduced	Description
1	V2R1	Initial version. Supports up to 100 intervals.
2	V2R5	Added sampling fields to interval 0. Supports up to 100 intervals.
3	12.0	Added new fields NumAllNulls and AvgAMPRPV to interval 0. Raised the default max detailed intervals to 200.
4	12.0.3	Added new fields AllAMPSampleEst and OneAMPSampleEst to interval 0 for better data growth detection.
5	14.0	New histogram layout, larger value length, modifiable number of intervals, history records and SUMMARY statistics.
6	14.10 (with NoDot0BackDown set to TRUE)	New fields added to interval 0 to support UDI counts.

	help stats EMP_SAL_STATS
	4
	1 2
Failed. 3624: There are no statist	ics defined for the table. ●

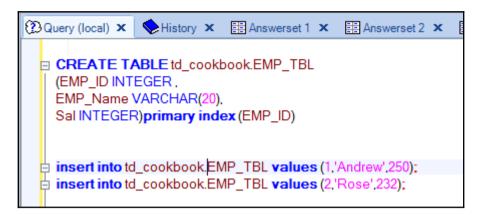


±/	Answerset 1 🗙					
	DataBaseName	TableName	CurrentPerm	MaxPerm	AvgPerm	SkewPe rcent
1	AP	athelete_data	2,377,728.00	1,188,864.00	1,188,864.00	0.00
2	AP	countries	6,144.00	3,072.00	3,072.00	
3	DBC	AccessRights	1,191,936.00	595,968.00	595,968.00	0.00
4	DBC	AccessRights_TD14	34,816.00	17,408.00	17,408.00	0.00
5	DBC	AccLogRuleTbl	6,144.00	3,072.00	3,072.00	0.00
6	DBC	AccLogRuleTbl_TD13	6,144.00	3,072.00	3,072.00	0.00
7	DBC	AccLogRuleTbl_TD14	6,144.00	3,072.00	3,072.00	0.00
8	DBC	AccLogTbl	3,072.00	1,536.00	1,536.00	0.00
9	DBC	AccLogTbl_TD14	3,072.00	1,536.00	1,536.00	0.00
10	DBC	Accounts	6,144.00	3,072.00	3,072.00	0.00
11	DBC	Acctg	14,336.00	7,168.00	7,168.00	0.00
12	DBC	ArchiveLoggingObjsTbl	2,048.00	1,024.00	1,024.00	0.00
13	DBC	AsgdSecConstraints	2,048.00	1,024.00	1,024.00	0.00

Chapter 9: Application and OPS DBA Insight

					Tab	le			
			Co	lumns	[Field	ls]			
						~		-	C 11
	EMP	_	EMP_N		EMP		EMP_ADD		City
			Rose					IN	
Rows [Records]	-		Bose				29, Jhu	MN	
		3	Philip			33Z	101, DI	LK	
		4	Aks			1323	Gt-192	KL	
		5	Ross			2324	132, Rd	HF	
		6	Liberty	/	2	6677	9-appt	AD	
		7	Rajke			4344	Road, 23	AD	
		8	Snown	nan	3	6543	56-Rd	AD	
		9	Cucus	/		4676	79-Street	MN	
			/						
		Co	lumns \	/alues					

3	Query (local) 🗙	S History	×	Answerset 1	×
E	CREATE TA (EMP_ID INT EMP_Name ` Sal INTEGER	EGER . VARCHAR	(<mark>20)</mark> .		

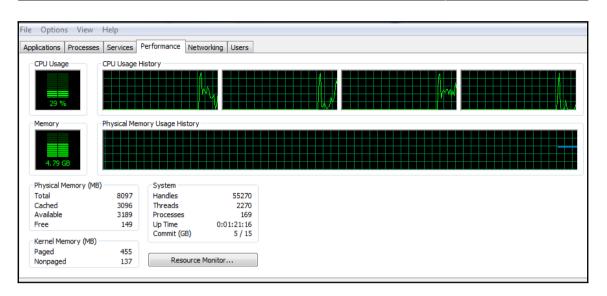


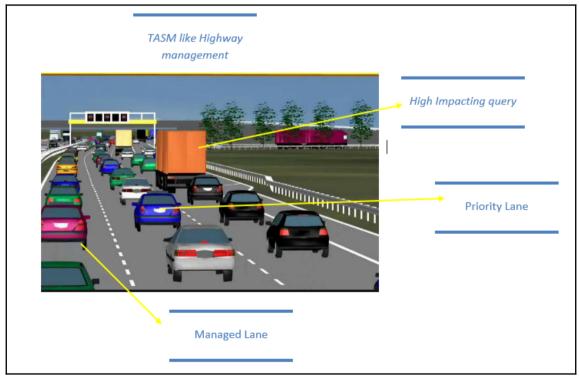


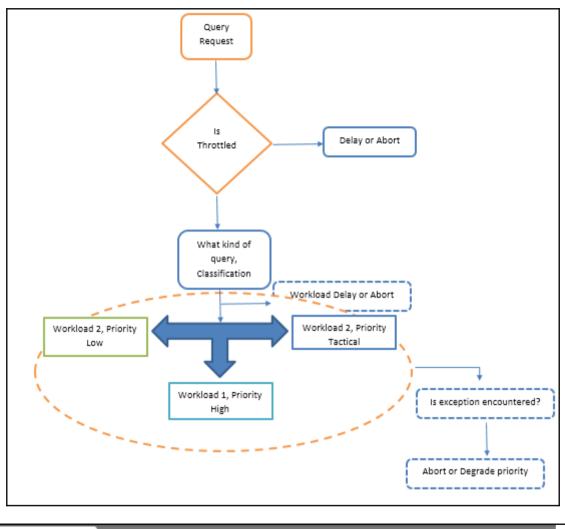
▼ 🖁) Sysdba
⊳	🗀 Indexes
⊳	🗀 Macros
⊳	Stored Procedures
	🗀 Tables
⊳	User-Defined Functions
	🗀 Views
⊳	盟 ckb_db
⊳	峇 ckb_usr
⊳	🖫 cookbook_test_database
⊳	🖫 td_cookbook_nyse

EMP_ID	EMP_DEPT	DEPT_CITY	
1032	2	4	

	sel * from db	c.tables wher	e tablekind=	'V';				
	and the Decode Cost	M						
- Ie	eradata Result Set	Viewer 23 to- Na	ivigator					
Resu	It Set - SQL Editor	r 1 (1) Result	Set - SQL Editor	1 (2) Result	Set - SQL Editor	1 (3) 🖾		
	DatabaseName	TableName	Version	TableKind	ProtectionType	JournalFlag	CreatorName	RequestText
1	DBC	QryLogExcepti	1	v	F	NN	DBC	REPLACE VI
2	DBC	AccountInfoV	1	v	F	NN	DBC	REPLACE VI
3	DBC	SHOWCOLCH	1	v	F	NN	DBC	REPLACE VI
4	DBC	TableSizeV	1	v	F	NN	DBC	REPLACE VI
5	SYSUIF	UIF_V	1	v	F	NN	DBC	REPLACE VI
6	DBC	Databases2V	1	v	F	NN	DBC	REPLACE VI
7	DBC	QryLogExplain	1	v	F	NN	DBC	REPLACE VI
8	DBC	CostProfileVal	1	v	F	NN	DBC	REPLACE VI
9	DBC	ZoneGuestsVX	1	v	F	NN	DBC	REPLACE VI
10	DBC	DatabasesV_SZ	1	v	F	NN	DBC	REPLACE VI

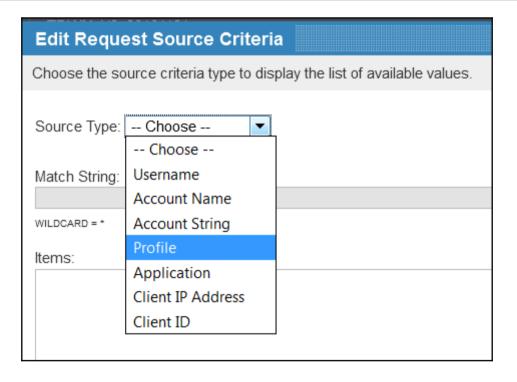






1 Workload Designer	Teradata						
🕈 💽 General 🌐	States	Sessions	Filters	Throttles	Workloads	Exceptions	

inforcement O Tactical Monty O Priority	
Priority O Priority	
Priority Priority	
Normal Background	



r.b. n	Former Followin			
East Request	Source Criteria	lay the list of available values.		
Choose the soc	ince criteria type to unapr	ay the list of available values.		
Source Type:				
	Choose Username k			
Match String	Account Name			Selected
	Account String Profile		Include	Included
WILDCARD = *	Application		Exclude	
-	Client IP Address Client ID			
Items:	Clienc 10		Include	
			Exclude	
			Exclusion	
				Excluded
			-	
			OK Car	icel

Spool/SesQ MISSED SLG	ryBnd	0	Spool/TxnQryBnd MISSED SLG
Blocked Que	eries		DBC NO SLG
My_THR1 NO SLG			Viewpoint NO SLG
WD-Default NO SLG			

- D X





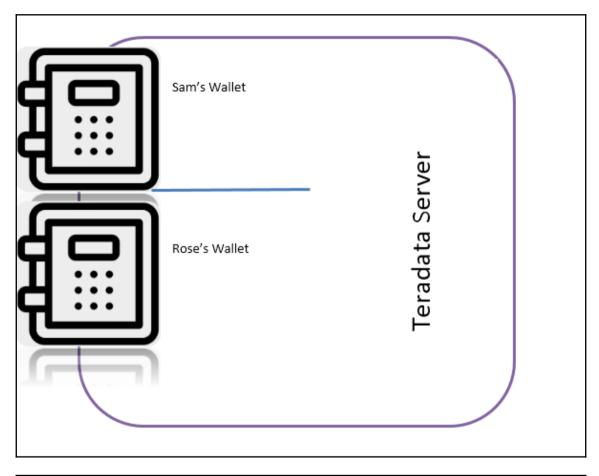
😽 Administrator: Teradata Wallet

Use the "help" command to get help. tdwallet> help USAGE: help [<topic>] ... DESCRIPTION: Displays helpful information about the listed topic(s). If no topic is given, displays this information. Available topics include: overview tool security encodings limits add del list help exit version SEE ALSO: help overview tdwallet>

Teradata BTEQ 16.00.00.02 for WIN32. PID: 11552 Copyright 1984-2016, Teradata Corporation. ALL RIGHTS RESERVED. Enter your logon or BTEQ command: .logon 192.168.0.12/sysdba,\$tdwallet(finance_application)

Teradata Database ODBC Dri	ver 16.20 Connection Dialog	×
Data Source		
Name:		_
Description:		
Teradata Server Info		
Name or 192.10 IP address	58.0.12	* *
Authentication		
Use Integrated Security		
Mechanism:	•	
Parameter:		Change
Username:	dbc	
C Password		
Teradata Wallet String	finance_application	
	<pre>\$tdwallet(finance_application)</pre>	
Optional		
Default Database:		
Account String:		
Session Character Set:		
	-	
v 16.20.00.0006 (32 bit)	OK Cancel	Help

My \$db = DBI->connect("dbi:ODBC:DSN=\$tdserver","



tdwallet> help USAGE: help [<topic>] ...

DESCRIPTION: Displays helpful information about the listed topic(s). If no topic is given, displays this information. Available topics include: overview tool security encodings limits add del list help exit version SEE ALSO: help overview tdwallet>

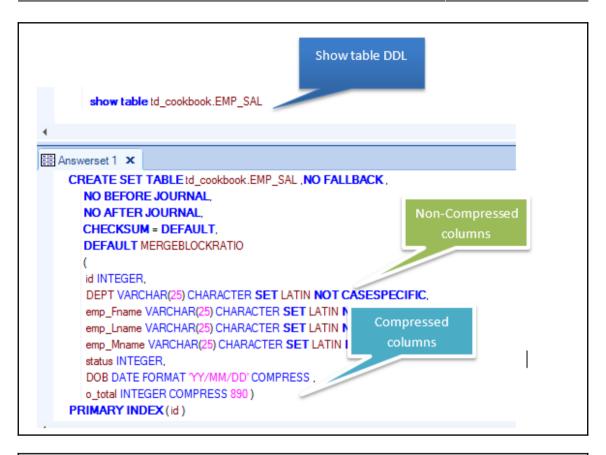


		Table Header			
	td	cookbook.EMP_SAL			
Presence Bit O	toal	O_total D		Presence Bit D	OB
	90	90 Uncompressed actual		00000001	
Compressed	120	values store		0000001	
Values	530			00000001	All Compressed
	800			00000010	values
	810			00000010	
0000 0001				00000010	
00000001				00000011	
00000001				0000001	
00000001				00000010	

Chapter 10: Application and OPS DBA Insight

		🖻	Administration) 🚹 Query Develop	ment
 ase Create a new d	-	≣ ₱ 0 4 80 8	: Bi ∰ ⊉ Pc	💩 🖏 万 🔳	8
Owner Name	Perm Space	Spool Space	Temp Space	Access Count	Las

🟮 *Create Database 🐹			- 8
Database: cookbook_test_database		Commit Res	t Cancel
General Journaling SQL	cookbook_test_database DBC DBC Default DFault DS Extensl.AP ExtrustR LockLogSneeder PD PUBLIC SQU SSUL SSGUR SysAdmin	L L L L	Ÿ

🚺 *Create Database 🛞				0
Database: cookbook_test_database			Commit Reset Canc	el
General Journaling SQL	Name: Barent:	Cookbook_test_dstabase	• 7	
Enter databasename	Permanent Space: Spool Space:	USC diacrang Default DS	Î	
Select database parent	Temporary Space: Account:	ExtrangLAP EXTUSER LockLogStredder PD	=	
	Comment:	PUBLIC SQLI SQL Sender SysSanR SysSanR SysSanB SysSaba SYSDBC SYSDBC		
· · · · ·				

Database: cookbook_test_database		Commit Reset	Cancel
	Journal No		•
	alt Journal Table al Database: [** New Database/User ** *		•
	Char		
Journal option			

Database: cookbook_test_database		
General Journaling SQL	CREATE DATABASE "cookbook_test_database" FROM "DBC" AS PERMANENT = 1099511627776, NO FALLBACK PROTECTION, NO BEFORE JOURNAL, NO AFTER JOURNAL;	•

🔺 📇 Sysdba
⊳ 🧻 ckb_db
kb_usr
cookbook_test_database

	help databas	e td	_cookbook;											*
														-
	•													*
	Teradata Result Set	View	ver 🛙						🔑 <mark>sal</mark> 📑	3 🥒 D	T _T §	🗟 🖬 🖬 👜	~ -	- 0
Res	ult Set - SQL Editor	(1)	Result Set - S	QL Editor (2) 🖾	_									
	Table/View/N	a	Kind	Comment		Protection	Creator Name	Commit Option	Transaction Log	Table/Vie	ew/Ma	Table/View/Ma	Tabl	le/View,
1	cookbook_1	Т		null	Ν		TD_COOKBOOK	Ν	Y	cookbook	1	cookbook_1		

				1	E	Administration		
🛢 Object List Viewer 🔀								
	s 🔁 😵	i 🔠 🏚 🖻 🕯	à 🗿 🖻 🗖	6 P (80 85	B B 2 B		
Connection New Teradata Databases TDPLISER Create a new user								
Starts With:								
Database Name	Туре	Owner Name	Perm Space	Spool S	pace	Temp Space		

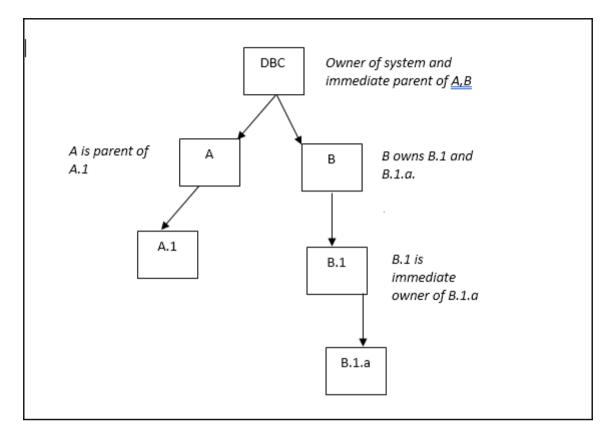
Our Section 2010 S		Commit Reset Can
General Journaling Security Constraints SQL	Name: Parent: Password: Confirm Password: Permanent Space: Spool Space: Temporary Space: DBA: Account(s): Startup String: Default Database: Profile: Role: Comment:	

Grahpics

SUser The field Name must not be empty		Commit Reset	Cancel
General Session Session Security Constraints SQL	Fallback: Before Journal No After Journal Default Journal Table Journal Table Cleax		•
General Journaling Session Security Constraints	Collation: Date Form:		•

Security Constraints SQL	Date Form:	•
SQL	Default Character Set:	•
	Export Width Definition:	•
	Time Zone: Minus 0 1 Africa Egypt *	

Our Set and S	
General Journaling Session Security Constraints SQL	CREATE USER "" FROM "dbc" AS PERMANENT = 0, PASSWORD = "", NO FALLBACK PROTECTION, NO BEFORE JOURNAL, NO AFTER JOURNAL;



👪 Navigator 🛛	- 8	😑 Object List Viewer 🛛	3		
Connection New Teradata Connection New Teradata SYSUIF SYSUIF Connection New Teradata Connection New		Connection New Ter Starts With: Profile Name ckbook_admin ckbook_author cookbook_admin cookbook_user	adata 🕨 Profiles	Default Databa	Comment

🗄 😰 🛙 🎇 Administration 🚺 Query Development 🛛 🃅 Data Transfer
🤣 📑 🖬 👘 🖓
Create a new profile

Profile: cookbook_user_profile			Commit Reset C
General Pasword Query Band Users in Profile Security Constraints SQL	Name: Account(s): Default Database: Spool Space: Temporary Space: Comment:	* cookbook_user_profile \$M_medium_&S&D&H/: \$H0+Urgent&S&D&H' DS 10 MB cook book used 4	γ • γ

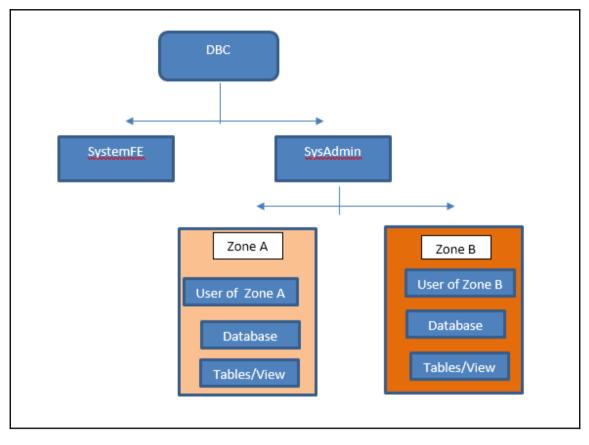
å⊐ Profile: cookbook_user_profile		Commit	Reset Ca	ncel
Profile: Cookbook_user_profile General Password Query Band Users in Profile Security Constraints SQL	Length Maximum Length: 10 Minimum Length: 8 Maximum Log On Attempts: 3 Security Expiration (days): 90 Maximum Log On Attempts: 3 Reuse (days): 3 Lock User (minutes): 180 Restrictions Ø Allow User Name Ø Search for Restricted Words Digits: Allowed Special Characters (# 5 _): Allowed Alpha Characters: Allowed Mixed Case Characters: Allowed T	Commit	Reset Car	ıcel
	Clear Password Options			

🖢 Profile: cookbook_user_profile			Commit Reset Cancel
General Password Query Band	Set Query Band as Default Query Band		
Users in Profile Security Constraints	Name	Value	Add
Security Constraints	nohelpstats	Yes	Remove
- sec			Keniove
			Up
			Down
			Down

🖢 Profile: cookbook_user_profile			
General Password Query Band Users in Profile Security Constraints SQL	All Users All ckb_usr ckb_usr2 Crashdumps DBC Default External AP EXTUSER LockLogShredder PUBLC SysAdmin Sysdba SystemFe Sys_Calendar TDPUSER tdwm	> <	Users In Profile td_cookbooK

General Password Query Band Users in Profile Security Constraints SQL	CREATE PROFILE "cookbook_user_profile" AS ACCOUNT = ("'SM_medium_&&S&D&H"',"' "'SH0+Urgent&S&D&H"') DEFAULT DATABASE = "DS" SPOOL = 10485760 TEMPORARY = 10485760 PASSWORD = (EXPIRE = 90, MINCHAR = 8, MAXCHAR = 10, DIGITS = "Y', MAXLOGONATTEMPTS = 3, LOCKEDUSEREXPIRE = 180, REUSE = 3, RESTRICTWORDS = 'Y') QUERY_BAND = 'nohelpstats=Yes;' (DEFAULT); COMMENT ON PROFILE "cookbook_user_profile" AS 'cook book user'; MODIFY USER "td_cookbooK" AS PROFILE = "cookbook_user_profile";
--	---

ProfileName	DefaultAccount	DefaultDB	SpoolSpace	TempSpace	ExpirePassword	PasswordMinChar	PasswordMaxC	PasswordDigits	PasswordSpecC	PasswordRestric	MaxLogonAtte
ckbook_author	\$M0+EDUC&S&D&H	null	5.0E8	1.0E8	null	6	15	Y	I	null	3
cookbook_user	\$M0+EDUC&S&D&H	null	5.0E8	1.0E8	null	6	15	Y	I	null	3
cookbook_admin	\$M0+EDUC&S&D&H	null	1.0E9	1.0E9	null	6	15	Y	I	null	3
ckbook_Admin	\$M0+EDUC&S&D&H	null	1.0E9	1.0E9	null	6	15	Y	I	null	3



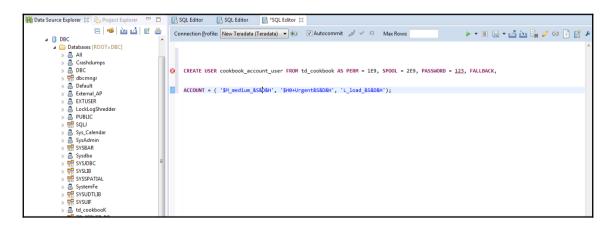
						🖻 📡	Administration	
🖏 Navigator 🔀		🛢 Object List Viewer 🔀						
Connection New Teradata Connection New Teradata Key Status (Teradata v. 15.10.0.07)		Connection > New Teradata > SecureZones Starts With:						
> [t] Databases [ROOT=DBC]	Zone Name	Root Name	Root Type	Zone DBA Name	Creator Name			

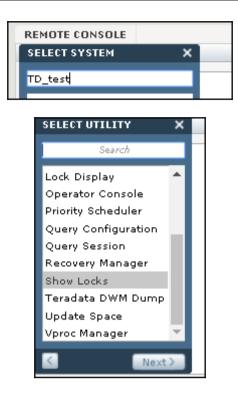
🕌 Administration ቤ Query Development 📅 Data Transfer
🔗 🕵 🙃 👰 属 🗸 🗖 🗖
Create a new secure zone

🔒 Secure Zone: cookbook_india_zone	Commit I	Reset	Cancel
General SQL Name * cookbook_india_zone Enter secure zone t Name name			• 7

Secure Zone: COOKBOOK_INDIA_ZONE			Close
General			
Users in Zone	Name *	COOKBOOK_INDIA_ZONE	
	Zone DBA		
	Root Name	COOKBOOK_TEST_DATABASE	
	Root Type	Database	

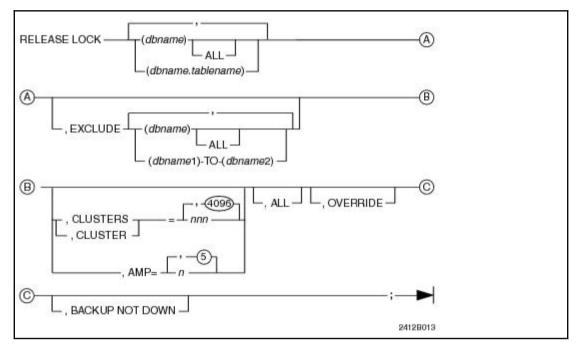
ZoneId	ZoneNameI	CreateUID	CreateTimeStamp	ZoneRootId	RootType	ZoneDBAId	CommentString
00-00-1b-04	COOKBOOK_IN	00-00-01-00	2017-10-16 11:38 0	0-00-17-04	D	null	null





REMOTE CONSOLE
TDDB002 Show Locks Utility
the data base level and the table level.
For each lock which is found, an entry will appear on your console which includes the following information: Data Base Name Table Name (if applicable) User Name of user who placed lock Lock Mode AMP Number
There are currently no host utility locks in the DBC
ShowLocks Processing Complete





Chapter 11: Performance Tuning

login as: root Using keyboard-interactive authentication. Password:

TDExpress15.10_Sles11:~ # cnsterm 6 Attempting to connect to CNS...Completed.

Input Supervisor Command:



	· · · · · · · · · · · · · · · · · · ·		
0	0	0	0
Active	Block	Delay	Abort

dbs <u>1:~</u> # <u>sa</u>	<u>r</u> 5 5						
Linux 11.6.8	5-7.244	l-smp ((dbs1)	I			
1:16:35	CPU	%u	ser	%nice	%system	% <u>iowait</u>	%idle
1:16:38	all	0.0	0.0	0.17	0.00		99.83
1:16:41	all	0.0	0.0	0.17	0.0		99.83
1:16:44	all	0.00	0.0	0.0	0.0		100.00
Average:	all	0.0	0.0	0.1	0.0		99.89
dbs <u>18:~</u> #							

dbs 001-9 <u>t:~</u> # awtmon -s
====> Sat Nov 4 1:5:28 2017 <====
byn001-9: Amp 0: Inuse: 4: FOUR: 1 THREE: 3
byn001-10: Amp 1: <u>Inuse</u> : 3: THREE: 3
byn001-11: Amp 29:Inuse: 68:ABORT: 5 NEW:57 THREE: 3 TWO: 3
byn002-12: Amp 89 : Inuse: 5: NEW:

REMOTE CONSOLE	≁ d' ∓ + X
Query Session Utility	Clear Console Disconnect
Enter command : Utility qrysessn started in processor 0, partition 20.	•
Teradata	
Pelease 14.30.07.21 Version 34.30.07.23 SESSION STATUS Utility (Dec 94)	
Session state Query Utility : 17/11/06 16:22:06	
Please enter a logical host id (? for help):	
Enter command here	

Host	Active Users	Session	IFP
1	sysdba	101239	16383

HostId	SessionNo	NumOfSteps	CurLvl1StepNo	CurLv12StepNo
1	101239	5	4	4

E.

-

StepNum 3 EstRowCount 1 ActRowCount 1 EstElapsedTime .082 ActElapsedTime 1 SQLStep We do a SUM step to aggregate from Spool 2750 (Last Use) by way of an all-rows scan. Aggregate Intermediate Results are computed StepNum 4 EstRowCount 1000000 ActRowCount 0 EstElapsedTime 123,131 ActElapsedTime 1 SQLStep We do an All-AMPs RETRIEVE step from Spool 2754
ActRowCount 1 EstElapsedTime .082 ActElapsedTime 1 SQLStep We do a SUM step to aggregate from Spool 2750 (Last Use) by way of an all-rows scan. Aggregate Intermediate Results are computed StepNum 4 EstRowCount 1000000 ActRowCount 0 EstElapsedTime 123,131 ActElapsedTime 1
EstElapsedTime .082 ActElapsedTime 1 SQLStep We do a SUM step to aggregate from Spool 2750 (Last Use) by way of an all-rows scan. Aggregate Intermediate Results are computed StepNum 4 EstRowCount 1000000 ActRowCount 0 EstElapsedTime 123,131 ActElapsedTime 1
ActElapsedTime 1 SQLStep We do a SUM step to aggregate from Spool 2750 (Last Use) by way of an all-rows scan. Aggregate Intermediate Results are computed StepNum 4 EstRowCount 1000000 ActRowCount 0 EstElapsedTime 123,131 ActElapsedTime 1
SQLStep We do a SUM step to aggregate from Spool 2750 (Last Use) by way of an all-rows scan. Aggregate Intermediate Results are computed
Use) by way of an all-rows scan. Aggregate Intermediate Results are computed StepNum 4 EstRowCount 1000000 ActRowCount 0 EstElapsedTime 123,131 ActElapsedTime 1
Use) by way of an all-rows scan. Aggregate Intermediate Results are computed StepNum 4 EstRowCount 1000000 ActRowCount 0 EstElapsedTime 123,131 ActElapsedTime 1
StepNum 4 EstRowCount 1000000 ActRowCount 0 EstElapsedTime 123,131 ActElapsedTime 1
EstRowCount1000000ActRowCount0EstElapsedTime123,131ActElapsedTime1
ActRowCount0EstElapsedTime123,131ActElapsedTime1
EstElapsedTime 123,131 ActElapsedTime 1
ActElapsedTime 1
SOLStep We do an All-AMPs RETRIEVE step from Spool 2754
(Last Use) by way of an all-rows scan into Spool 2748, which is
built locally on
StepNum 5
EstRowCount 1
ActRowCount 0
EstElapsedTime 0
ActElapsedTime 0
SQLStep We send out an END TRANSACTION step to all AMPs
involved in processing the request.

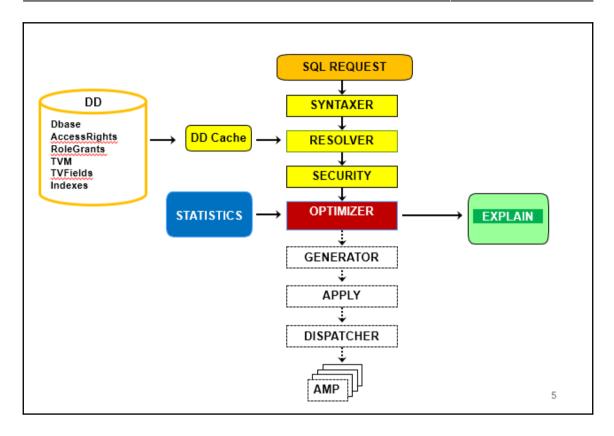
REMOTE CONSOLE	
Gateway Global Utility	Clear Console Disconnect
	A
Release 14.10.07.21 Version 14.10.07.23 SESSION STATUS Utility (Dec 94)	
Session state Query Utility : 17/11/08 16:22:08	
Please enter a logical host id (? for help):	
Utility xghuglobal started in processor 0, partition 20.	
Teradata	
Enter gateway command or enter h for Help:	
Enter command here	

REMOTE CONSOLE	רים ∓ + X
Abort Host Utility	Clear Cansale Discannect
Teradata	•
Release 14.10.07.21 Version 14.10.07.23 Abort Host Utility (Dec 94)	
Enter :	
ABORT HOST mm	
to abort all DBC operations on behalf of host <nmp until that host is restarted.</nmp 	
Enter :	
QUIT	
to exit from this utility.	–
Enter command here	e
=	

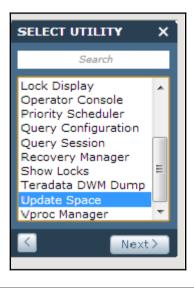
Node <u>1.~</u> # puma -	-c -V 2	-node	number	
Resource Control	Displa	ау		
VPROC = 2				
WorkType	Min	Max	Inuse	Peak
MSGWORKNEW	3	50	62	48
MSGWORKONE	3	999	8	54
MSGWORKTWO	3	999	0	27
MSGWORKTHREE	3	999	0	11
MSGWORKFOUR	0	999	0	0
MSGWORKFIVE	0	999	0	1
MSGWORKSIX	0	999	0	1
MSGWORKSEVEN	0	999	0	0
MSGWORKEIGHT	0	999	0	0
MSGWORKNINE	0	999	0	0
MSGWORKTEN	0	999	0	0
MSGWORKELEVEN	0	999	0	0
MSGWORKABORT	3	999	0	20
MSGWORKSPAWN	3	999	0	6
MSGWORKNORMAL	3	999	0	41
MSGWORKCONTROL	3	999	0	6

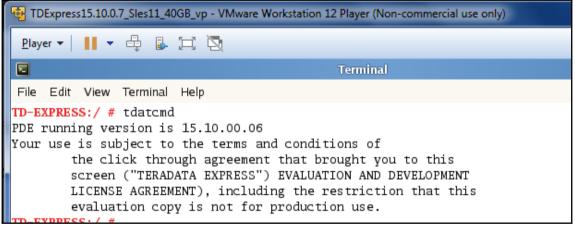
<	D+		001-6	MC		>
MbxId 171909067	rait	Vproc 81	25345	MsgCou 20	<u></u>	MsgDQCou 446
171912845		81	13971	19		88
171913303		81	983	19		1
171909144		81	31078	20		624
171913255		81	32250	4		6
171912043		81	32347	20		1708
171913067		81	32640	18		37
171911532		81	17786	20		5467
171911342		81	31670	20		6142
171913011		81	32348	20		2661
171907316		81	23003	19		1237
171908597	11	81	30710	21	Work	481087
171913213		81	31229	11		10
170691363		82	1014	6		14
170379523		83	31845	13		7

NodeID	vprid	LastDone
1-06	81	65081
1-09	201	2539
1-11	74	2352
1-11	65	2322
1-11	71	2301
1-11	68	2193
3-10	248	2063
1-11	2	2057



Chapter 12: Troubleshooting



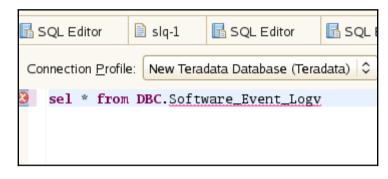


	Terminal	
_	File Edit View Terminal Help	
Gnome Terminal	Your use is subject to the terms and conditions of the click through agreement that brought you to this screen ("TERADATA EXPRESS") EVALUATION AND DEVELOPMENT LICENSE AGREEMENT), including the restriction that this evaluation copy is not for production use. TD-EXPRESS:~ #	

```
Your use is subject to the terms and conditions of
the click through agreement that brought you to this
screen ("TERADATA EXPRESS") EVALUATION AND DEVELOPMENT
LICENSE AGREEMENT), including the restriction that this
evaluation copy is not for production use.
TD-EXPRESS:~ # tpareset
tpareset: Error, Reason for the reset must be specified.
Usage: tpareset [ -force ] [ -dump | -panic [-nodump] ]
[ -stop [-keephgpgs] | -xit [-keephgpgs] | -exit [-keephgpgs]]
[ -yes ] [ -help ] reason
```

TD-EXPRESS:~ # tpareset -f testing the restart command You are about to restart the database on the system 'localhost' Do you <u>w</u>ish to continue (default: n) [y,n] ^Ctp

```
TD-EXPRESS:~ # pdestate -a
PDE state is RUN/STARTED.
DBS state is 5: Logons are enabled - The system is quiescent
TD-EXPRESS:~ #
```



Jan	2	05:33:29	TD-EXPRESS	gnome-session[4769]: WARNING: Unable to determine session: Unable to lookup session information for process '4
				gnome-session[4769]: WARNING: Unable to determine session: Unable to lookup session information for process '4
				Teradata[4994]: INFO: Teradata: 13895 #PDE: TPA restart initiated by this node, 001-01, for event 10198.
Jan	2	05:39:19	TD-EXPRESS	Teradata[4994]: INFO: Teradata: 13895 #PDE: TPA restart requested by node 001-01 for event 10198.
Jan	2	05:39:19	TD-EXPRESS	kernel: tdmeter: meter_mode Set To 0.
Jan	2	05:39:19	TD-EXPRESS	Teradata[10803]: DEGRADED: Teradata: 10198.#Force a TPA restart
Jan	2	05:39:19	TD-EXPRESS	Teradata[10803]: Restart reason is: testing the restart command
Jan	2	05:39:27	TD-EXPRESS	recond[10815]: INFO: TdatTools: 29001 #tuning change: /usr/pde/etc/recondTunables.txt
Jan	2	05:39:27	TD-EXPRESS	recond[10815]: Before: t11_current_soft_resource_limit = 0
Jan	2	05:39:27	TD-EXPRESS	recond[10815]: After: tll_current_soft_resource_limit = 0xffffffff(-1)
Jan	2	05:39:27	TD-EXPRESS	recond[10815]: INFO: TdatTools: 29001 #tuning change: /usr/pde/etc/recondTunables.txt
Jan	2	05:39:27	TD-EXPRESS	recond[10815]: Before: t12_maximum_hard_resource_limit = 0
				recond[10815]: After: t12_maximum_hard_resource_limit = 0xffffffff(-1)
				recond[10815]: INFO: TdatTools: 29001 #Current Working Directory set: /var/opt/teradata/tdtemp
Jan	2	05:39:28	TD-EXPRESS	recond[10815]: INFO: TdatTools: 29001 #pdeMain has started recond -r
Tom	2	05.20.20	TD EVDDECC	macond[10016], TNEO, Edgetecolo, D0001 #4010 Crowt DDENATH, Edgenein macuned

```
TDExpress15.10.0.7_Sles11_40GB_vp - VMware Workstation 12 Player (Non-commercial use only)
Player 
Player
```

	Terminal
	File Edit View Terminal Help
Gnome Terminal	Your use is subject to the terms and conditions of the click through agreement that brought you to this screen ("TERADATA EXPRESS") EVALUATION AND DEVELOPMENT LICENSE AGREEMENT), including the restriction that this evaluation copy is not for production use. ID-EXPRESS:~ #

TD-EXPRESS:/ # dbscontrol
Release 15.10.00.06 Version 15.10.00.07 DBSControl Utility (Dec 99)
The current DBS Control GDO has been read.
Enter a command, HELP, or QUIT:

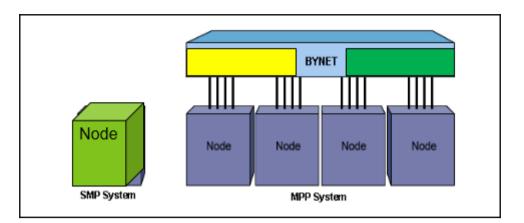
DBS Control Record - Optimizer Statistics Fields: 1. DefaultTimeThreshold = 0 (Disabled; Default value) 2. DefaultUserChangeThreshold = 0 (Disabled; Default value) 3. SysChangeThresholdOption = 0 (Enabled with DEQL ObjectUsage; Default value) 4. SysSampleOption = 0 (Enabled; Default value) 5. BLCStats = 0 (Enabled; Default value) Enter a command, HELP, or QUIT: display

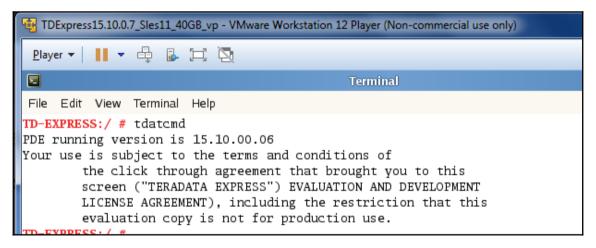
DBS Cor	ntrol Record - Performance Fie	lds:	
1.	DictionaryCacheSize	= 8192	(KB; Default value)
	DBSCacheCtrl	= TRUE	(Enabled)
з.	DBSCacheThr	= 10	(Percent; Default value)
4.	MaxParseTreeSegs	= 4000 •	
5.	ReadAhead	= TRUE	(Enabled)
6.	StepsSegmentSize	= 1024	(KB; Default value)
7.	RedistBufSize	= 3832	(Bytes; Default value)
8.	DisableSyncScan	= FALSE	(Enabled)
9.	SyncScanCacheThr	= 10	(Percent; Default value)
10.	HTMemAlloc	= 10	(Percent; Default value)
11.	SkewAllowance	= 75	(Percent; Default value)
12.	Read Ahead Count	= 1	(Data block; Default value)
13.	PPICacheThrP	= 10	(PPI cache per AMP = 1.0% of 100.00MB: 1.00MB)
	ReadLockOnly	= FALSE	
15.	IAMaxWorkloadCache	= 64	(MB)
16.		= 600	
17.			(Blocks; Default value)
18.		= 20	(Blocks; Default value)
	DisablePeekUsing	= FALSE	(Enabled)
	IVMaxWorkloadCache	= 1	(MB; Default value)
	RevertJoinPlanning	= FALSE	(Default value)
	MaxJoinTables	= 128	
23.		= 64000	(KB; Default value)
24.		= 1048576	
25.	5		(SizeofSegment is 1024KB)
26.	1	= 64000	(KB; Default value)
27.			(* 64 KBs; Default value)
	PRPDMaxSkewedVals	= 50	(Default value)
	PRPDSkewPct	= 80	(Percent; Default value)
	DBQLLOBCacheSize		(MB; Default:2, Min:2, Max:16)
31.	HJ2IMHJ	= FALSE	
1			

Enter a command, HELP, or QUIT: dis g							
DBS Control Record - General Fields:							
1. Version	= 10						
2. SysInit	= TRUE	(2015-10-17 23:42)					
 DeadLockTimeout 	= 240	(Seconds)					
(Reserved for future use)							
5. HashFuncDBC	= 6	(Universal)					
(Reserved for future use)							
(Reserved for future use)							
8. SessionMode	= 0	(Teradata mode)					
9. LockLogger	= FALSE	(Disabled)					
10. RollbackPriority	= FALSE	(Disabled)					
11. MaxLoadTasks	= 5						
 RollForwardLock 	= FALSE	(Disabled)					
13. MaxDecimal	= 15						
14. CenturyBreak	= 0						
15. DateForm	= 0	(IntegerDate)					
16. System TimeZone Hour	= 0						
17. System TimeZone Minute	= 0						
 System TimeZone String 	= Not Set						
(Reserved for future use)							
20. RoundHalfwayMagUp	= FALSE						
(Reserved for future use)							
22. Target Level Emulation	= FALSE						
23. Export Width Table ID	= 0	(Expected Defaults)					
24. DBQL Log Last Resp	= FALSE						
25. DBQL Options	= 0	(No options)					
26. ExternalAuthentication	= 0	(0n)					
27. IdCol Batch Size	= 10000						
28. LockLogger Delay Filter	= FALSE						
29. LockLogger Delay Filter Time	= 0	(Seconds; Default value)					

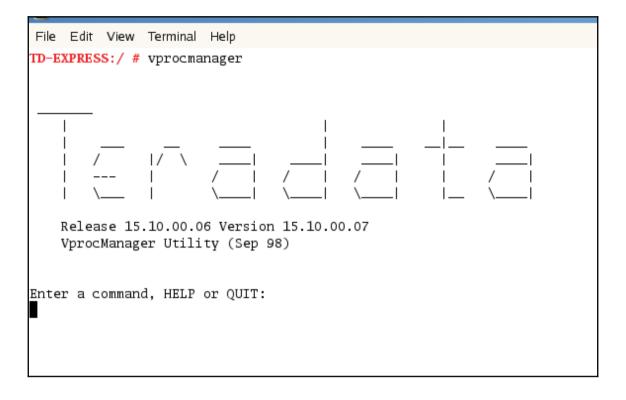
>_ Remote Console		Ξ
Beles DBS Control Utility	Clear Console	Disconnect
Utility dbscontrol started in processor 0, pa	artition 20.	
The current DBS Control GDO has been read. Enter a command, HELP, or QUIT: Enter command here		4

```
TD-EXPRESS:/ # cnsterm 6
Attempting to connect to CNS...Completed.
Hello
Input Supervisor Command:
> start dbscontrol
start dbscontrol
Started 'dbscontrol' in window 1
at Tue Jan 2 08:01:13 2018
Input Supervisor Command:
> dis perf
```





	Terminal
	File Edit View Terminal Help
Gnome Terminal	Your use is subject to the terms and conditions of the click through agreement that brought you to this screen ("TERADATA EXPRESS") EVALUATION AND DEVELOPMENT LICENSE AGREEMENT), including the restriction that this evaluation copy is not for production use. TD-EXPRESS:~ #



	lit View											Terminal
Enter a		Terminal	Help									
	comman	d, HELP	or QU	IT:								
status												
SYSTEM	NAME: 1	ocalhos	t						18/01/	03 03:	45:46	
			D	BS LOGI	CAL CON	FIGURATI	ION					
										Rcv		
Voroc	Rel.	Node	Can	Crash	Vproc	Config	c	onfig	Cluster/	Jrnl/ Host		
Number	Vproc#	ID	Move	Count	State	Status	Τ	ype	Host No.	Type	Vproc	
	1	1-01			ONLINE				0	0n		
1					OFFLINE				0	On	28671	
26623	5	1-01	Yes	0	ONLINE	N/A		RSG	0	N/A	N/A	
22528	4	1-01	No	0	ONLINE	N/A		GTW	1		N/A	
									0			
30719	3	1-01	Yes	0	ONLINE	Online		PE	1	COP	N/A	
	Contro											-
DBS S	tate: L	ogons a	re ena	bled -	The sys	tem is c	quie	escent				
DBS R	estartK	ind: CO	LD									
			P:	DE PHYS	SICAL CO	NFIGURAT		T -				
Node ID	State		r CPUs	(MB)	CHANS	LANS AME	Ps N	lode Na	une			
1-01		0			0	1 1	1 1	ocalho	st			

Enter a command, HELP or QUIT: SET 1 = online Vproc 1 will begin recovery in the background via the Recovery Control Task Enter a command, HELP or QUIT:

			D _	BS LOG	CAL CON	FIGURA	TION			
		Node ID			State	Statu		Host No.	Type	TVS
0*		1-01			ONLINE	Onlin	e AMP	0	On	28671
1	2	1-01	Yes	0	UTILITY	Catch	up AMP	0	On	28671
	5	1-01	Yes	0	ONLINE		RSG			
22528	4	1-01	No	0	ONLINE	N/A	GTW	1	COP	N/A
28671	6	1-01	Yes	0	ONLINE	N/A	TVS	0	N/A	N/A
30719	3	1-01	Yes	0	ONLINE	Onlin	e PE	1	COP	N/A
* DR	S Contro	al AMP								
DBS S			LD		-		quiescent			
DBS S	State: 1	Logons a	LD		The sys SICAL CO					
DBS S	State:] RestartH Node	Logons a Kind: CO Cliqu	LD P: -	DE PHY: 	SICAL CO	NFIGUR				

Enter a command, HELP or QUIT: restart

Are you sure you want to Restart the DBS now (Y/N)?

File Edit View Terminal Help DBS LOGICAL CONFIGURATION _____ Rcv Jrnl/ Vproc Rel. Node Can Crash Vproc Config Config Cluster/Host TVS Number Vproc# ID Move Count State Status Type Host No. Type Vproc
 0*
 1
 1-01
 Yes
 0
 ONLINE
 Online
 AMP
 0
 On
 28671

 1
 2
 1-01
 Yes
 0
 ONLINE
 Online
 AMP
 0
 On
 28671

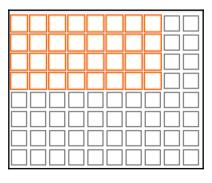
 26623
 5
 1-01
 Yes
 0
 ONLINE
 N/A
 RSG
 0
 N/A
 N/A

 22528
 4
 1-01
 No
 0
 ONLINE
 N/A
 GTW
 1
 COP
 N/A

 28671
 6
 1-01
 Yes
 0
 ONLINE
 N/A
 TVS
 0
 N/A
 N/A

 30719
 3
 1-01
 Yes
 0
 ONLINE
 Online
 PE
 1
 COP
 N/A
 _____ DBS Control AMP DBS State: Logons are enabled - The system is quiescent DBS RestartKind: COLD PDE PHYSICAL CONFIGURATION _____ Node Clique Memory Node TD State Number CPUs (MB) CHANs LANs AMPs Node Name _____ _ _____ 1-01 ONLINE 0 1 3700 0 1 2 localhost _____ _____ PDE State: RUN/STARTED

```
Enter a command, HELP or QUIT:
help set
SET [/V] <VprocList> [=] <VprocState> [[,] <VprocList> [=] <VprocState>]...
SET RESTART [=] <RestartKind>
   o The first format of this command is used to change the state
     of a vproc or a list of vprocs. A maximum of 30720 vprocs
    can be specified. Any state change becomes effective immediately,
     although *no* changes are made regarding the Message Group(s)
     the vproc is in and whether it is the Control vproc or not.
    These changes are deferred until after the next DBS restart.
    The slash "V" option enables verbose mode if specified.
   o A VprocList is composed of one or more VprocIds or a range
     of VprocIds as seen below:
          <VProcList> ::= VprocRange [ [,] VprocRange ]...
          <VprocRange> ::= [ VprocId | VprocId TO VprocId ]
    Examples:
          0123
          0. 1, 1022 to 1023
          0 to 10, 1021, 1022
   o Valid VprocStates are ONLINE, OFFLINE, UTILITY, NEWPROC,
     or FATAL. Enter "HELP <VprocState>" for additional
    information.
   o The second format of this commands is used to define the Restart-
    Kind to use during the next DBS restart. It does not force an
    immediate restart.
   o Valid RestartKinds are COLD or COLDWAIT. Enter
     "HELP <RestartKind>" for additional information.
```

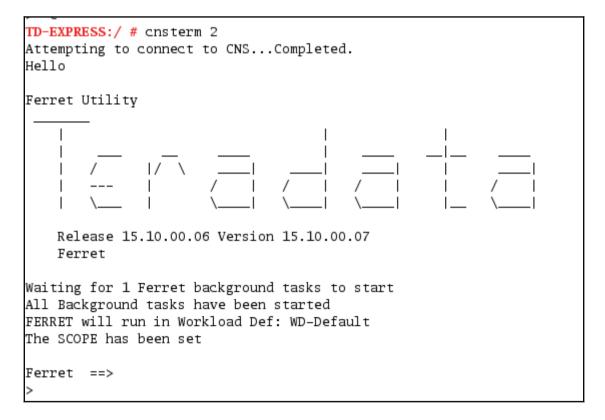


😼 TDExp	press15.10.0.7_Sles11_40GB_vp - VMware Workstation 12 Player (Non-commercial use only)	
<u>P</u> layer •	▼│ ▼ ⊕ 🔒 💢 🔯	
	Terminal	
File Ed	dit View Terminal Help	
PDE run	<pre>RESS:/ # tdatcmd nning version is 15.10.00.06 se is subject to the terms and conditions of the click through agreement that brought you to this screen ("TERADATA EXPRESS") EVALUATION AND DEVELOPMENT LICENSE AGREEMENT), including the restriction that this evaluation copy is not for production use. </pre>	

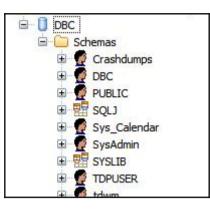
	互 File Edit View Terminal	Terminal Help
Gnome Terminal	the click thro screen ("TERAD LICENSE AGREEN	the terms and conditions of ugh agreement that brought you to this ATA EXPRESS") EVALUATION AND DEVELOPMENT ENT), including the restriction that this y is not for production use.

TD-EXPRESS:/ # cnsterm 6 Attempting to connect to CNSCompleted. Hello
Input Supervisor Command:

```
Input Supervisor Command:
start > ferret
start ferret
Started 'ferret' in window 2
at Wed Jan 3 05:52:41 2018
Input Supervisor Command:
```



File Edit View Terminal Help 17 \ 1 Release 15.10.00.06 Version 15.10.00.07 Ferret Waiting for 1 Ferret background tasks to start All Background tasks have been started FERRET will run in Workload Def: WD-Default The SCOPE has been set Ferret ==> > scandisk scandisk Wed Jan 03, 2018 05:59:14 : Scandisk will be started On all AMP vprocs Do you wish to continue based upon this scope?? (Y/N) > y v Wed Jan 03, 2018 05:59:21 : Scandisk has been started Type 'ABORT' to stop the command before completion Type 'INQUIRE' to check on progress of command 2 of 2 vprocs responded with no messages or errors. Wed Jan 03, 2018 05:59:23 : Scandisk has completed Ferret ==>



```
TD-EXPRESS:/ # cnsterm 6
Attempting to connect to CNS...Completed.
Hello
Input Supervisor Command:
> start tstsql
Start tstsql
Start tstsql
Started 'tstql' in window 1
at Tue 16 Jan 2018 09:01:18 2018
...
```

_ 0

9	Driver Options			S
	📝 Use Column Names	Session Mode:	System Default 👻	
	Use X Views	Date Time Format:		
	Ignore Search Patterns	Return Generated Keys: (V2R6.2 and above)	No 🔻	
	Disable Parsing Log Error Events	UPT Mode:	Notset 💌	
g	Use Regional Settings for De	cimal Symbol		
	 Enable Data Encryption Enable Extended Statement 	Information		
	Warning	Inomation		
	Changing the advanced op ODBC driver to perform imp		Advanced	
		ОК Са	ncel Help	
0		0	0	

Putty 192.168.43.213 - Putty

login as: root
Using keyboard-interactive authentication.
Password:
Last login: Tue Jan 16 21:08:17 2018 from console
Your use is subject to the terms and conditions of
the click through agreement that brought you to this
screen ("TERADATA EXPRESS") EVALUATION AND DEVELOPMENT
LICENSE AGREEMENT), including the restriction that this
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P 192.168.43.213 - PuTTY	
login as: root Using keyboard-interactive authentication. Password:	Enter CTL utility
Last login: Tue Jan 16 21:08:17 2018 from console Your use is subject to the terms and conditions of the click through agreement that brought screen ("TERADATA EXPRESS") EVALUATION AN LICENSE AGREEMENT) including the restrict	f you to this D DEVELOPMENT
evaluation copy is not for production use	
Hardware	

D-EXPRESS:- #	ctl	_
> hardware	CC1	
lardware		
Jaraward		
Node	min max avg min max avg	
nodes	1 cpus/node 1 1 1 nodes/clique 1 1	
1		
nodes w/AMPS	1 mips/cpu 359 359 359 arrays/clique 0 0	
0		
	segmem/vproc(mb) 1109 1109 1109	
/PROCS		
Type Name	## Min Max AVG	
1 AMP	2 vprocs/node 2 2 2 kmem/vproc 440320 440320 440320	
2 PE	1 vprocs/node 1 1 1 kmem/vproc 0 0 0	
3 GTW	1 vprocs/node 1 1 1 kmem/vproc 0 0 0	
4 R5G	1 vprocs/node 1 1 1 kmem/vproc 0 0 0	
5 TVS	1 vprocs/node 1 1 1 kmem/vproc 0 0 0	
6	0 vprocs/node 0 0 0 kmem/vproc 0 0 0	

