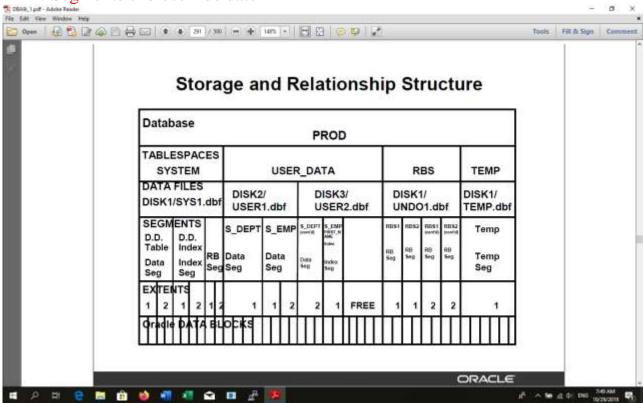
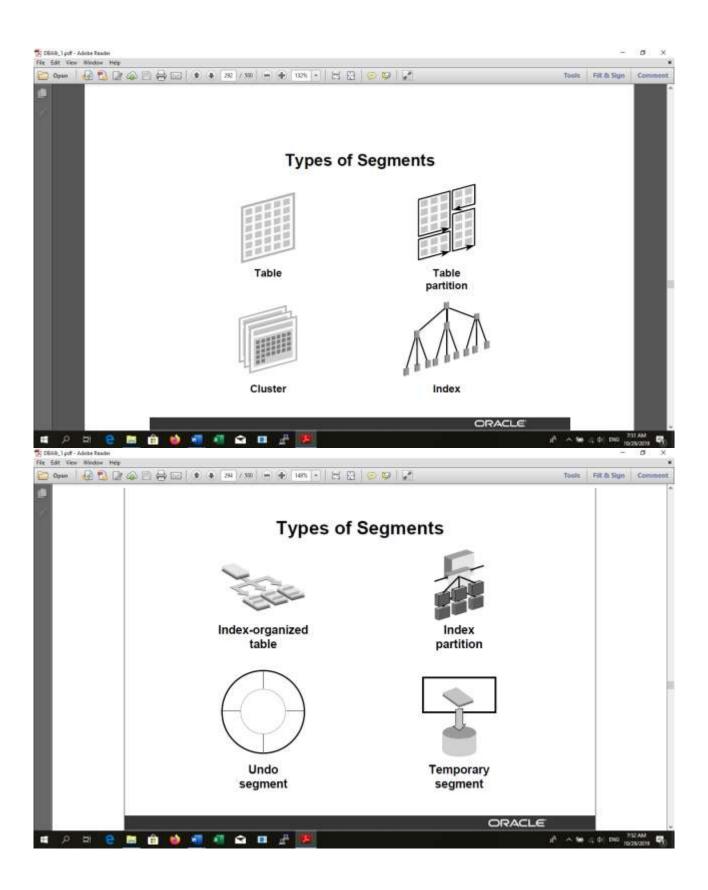
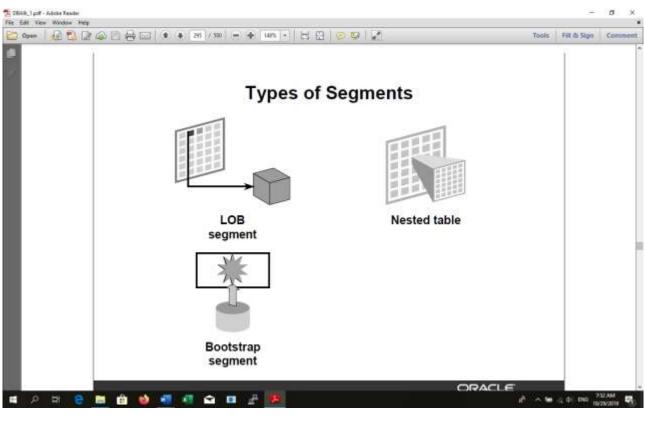
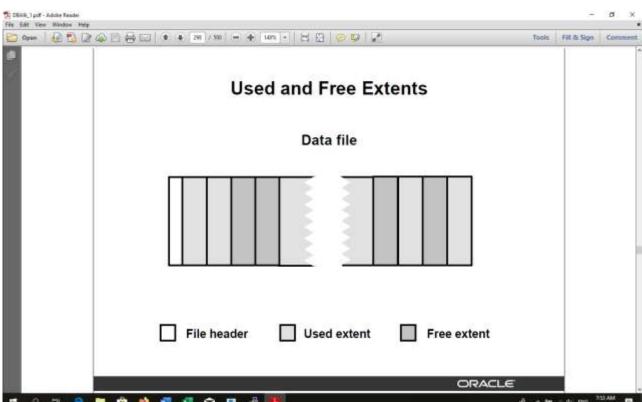
Structuri de stocare a datelor

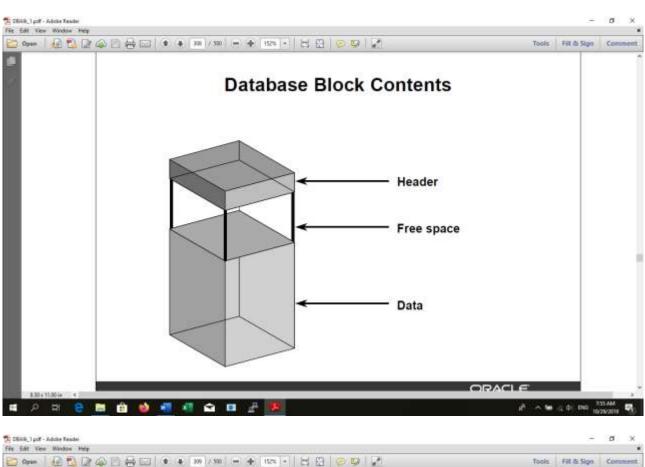
A. Segmente si blocuri de date

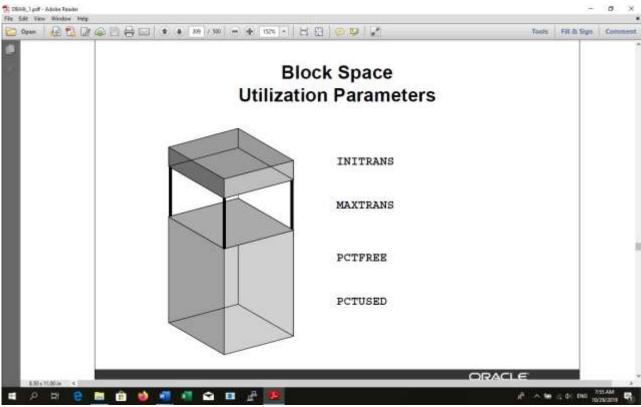


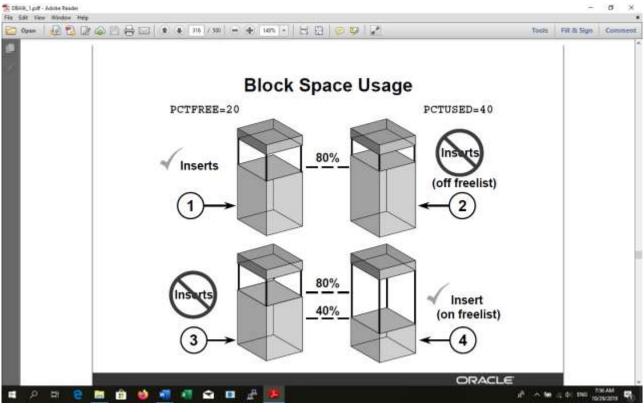


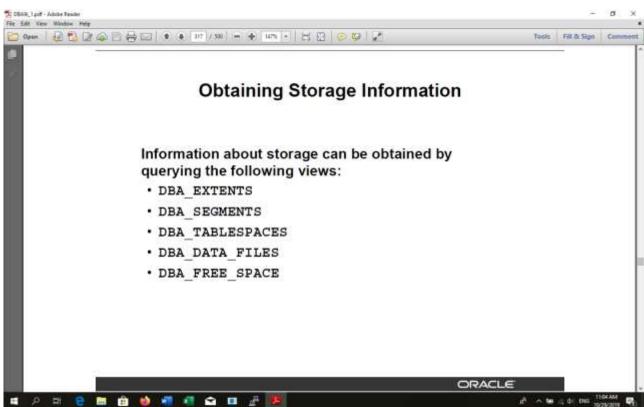








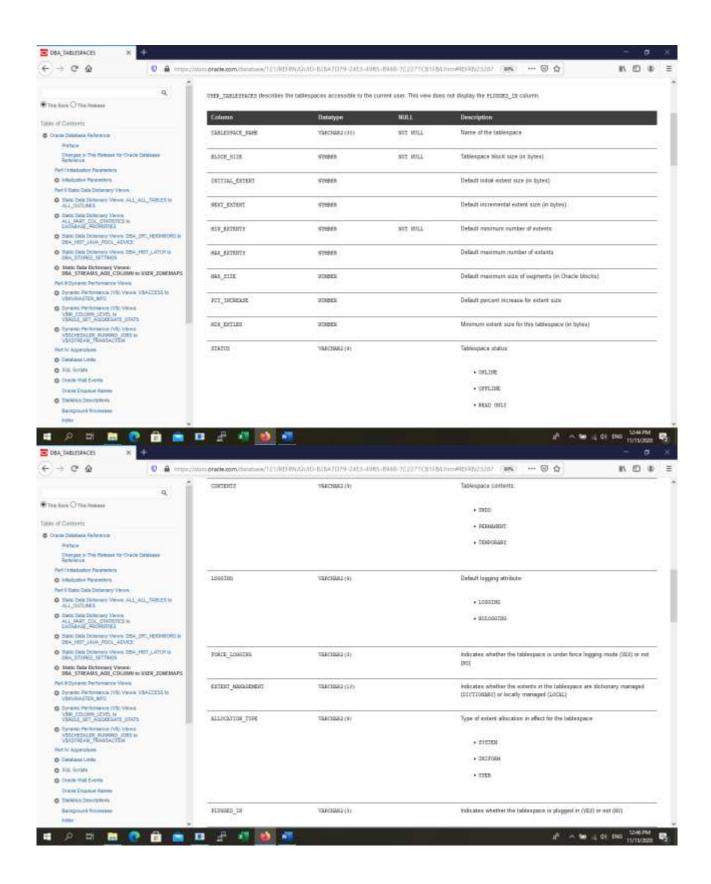


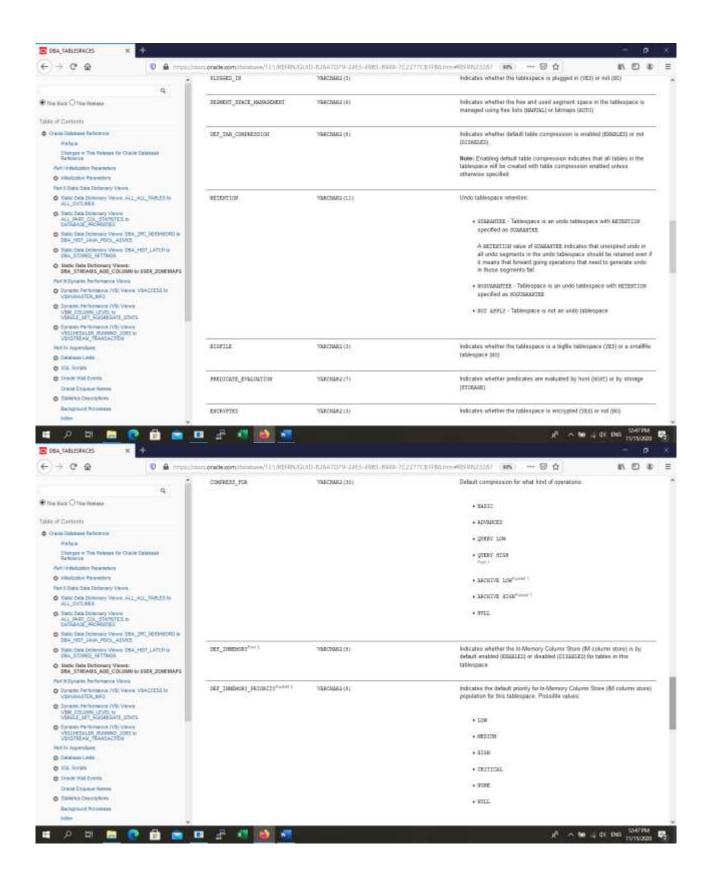


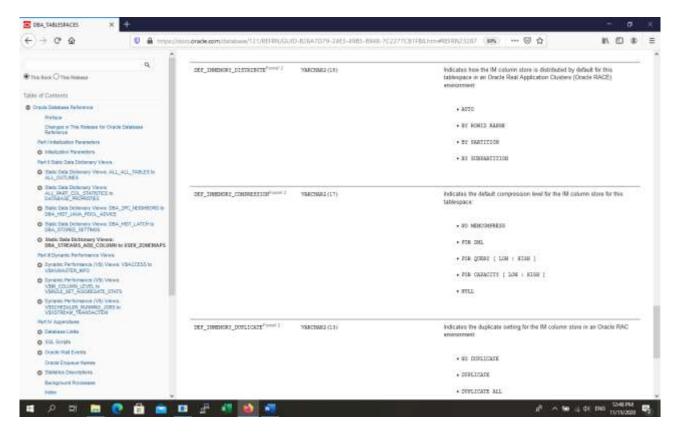
1) Informatii despre starea unui tablespace si parametrii specifici blocurilor de date:

SQL> desc dba_tablespaces

Name	Null?	Type
TABLESPACE_NAME	NOT NULL	VARCHAR2(30)
BLOCK_SIZE	NOT NULL	NUMBER
INITIAL_EXTENT		NUMBER
NEXT_EXTENT		NUMBER
MIN_EXTENTS	NOT NULL	NUMBER
MAX_EXTENTS		NUMBER
MAX_SIZE		NUMBER
PCT_INCREASE		NUMBER
MIN_EXTLEN		NUMBER
STATUS		VARCHAR2(9)
CONTENTS		VARCHAR2(9)
LOGGING		VARCHAR2(9)
FORCE_LOGGING		VARCHAR2(3)
EXTENT_MANAGEMENT		VARCHAR2(10)
ALLOCATION_TYPE		VARCHAR2(9)
PLUGGED_IN		VARCHAR2(3)
SEGMENT_SPACE_MANAGEMENT		VARCHAR2(6)
DEF_TAB_COMPRESSION		VARCHAR2(8)
RETENTION		VARCHAR2(11)
BIGFILE		VARCHAR2(3)
PREDICATE_EVALUATION		VARCHAR2(7)
ENCRYPTED		VARCHAR2(3)
COMPRESS_FOR		VARCHAR2(30)
DEF_INMEMORY		VARCHAR2(8)
DEF_INMEMORY_PRIORITY		VARCHAR2(8)
DEF_INMEMORY_DISTRIBUTE		VARCHAR2(15)
DEF_INMEMORY_COMPRESSION		VARCHAR2(17)
DEF_INMEMORY_DUPLICATE		VARCHAR2(13)







SQL> select tablespace_name,block_size,initial_extent,min_extents, max_extents, contents, status from dba_tablespaces where tablespace_name='USERS';

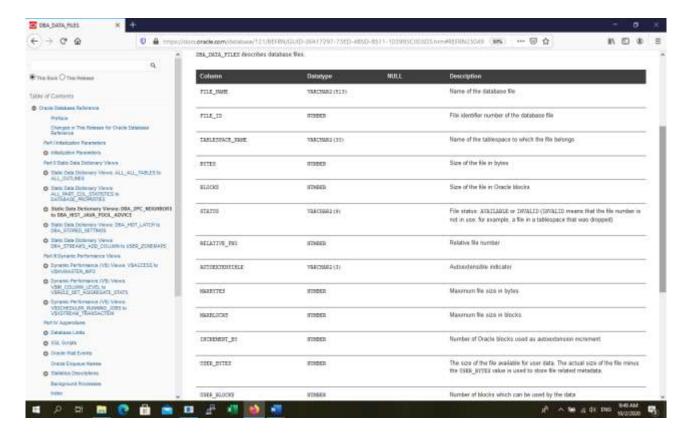
TABLESPACE_NAME	BLOCK_SIZE	INITIAL_EXTENT	MIN_EXTENTS	MAX_EXTENTS	CONTENTS STATUS
USERS	8192	65536	1	2147483645	PERMANENT ONLINE

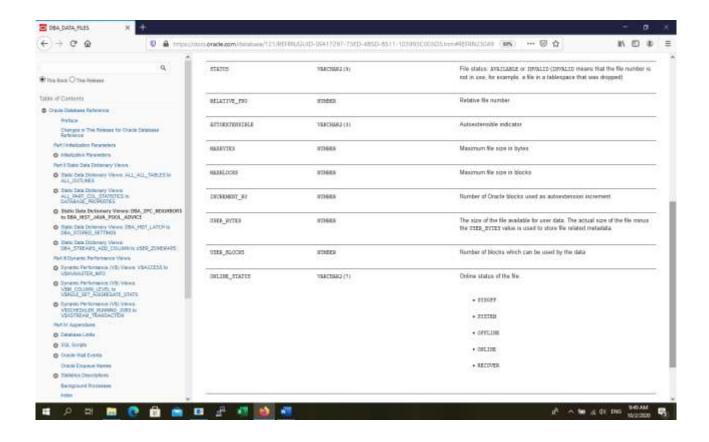
2) Informatii despre un tablespace, fisierul de date alocat, numarul total de blocuri si dimensiunea lor:

SQL> desc dba_data_files;

Name	Null?	Type
FILE_NAME		VARCHAR2(513)
FILE_ID		NUMBER
TABLESPACE_NAME		VARCHAR2(30)
BYTES		NUMBER
BLOCKS		NUMBER
STATUS		VARCHAR2(9)
RELATIVE_FNO		NUMBER
AUTOEXTENSIBLE		VARCHAR2(3)
MAXBYTES		NUMBER
MAXBLOCKS		NUMBER

INCREMENT_BY USER_BYTES USER_BLOCKS ONLINE_STATUS NUMBER NUMBER NUMBER VARCHAR2(7)





SQL> select tablespace_name, file_id, file_name, blocks, bytes from dba_data_files where tablespace_name='USERS';

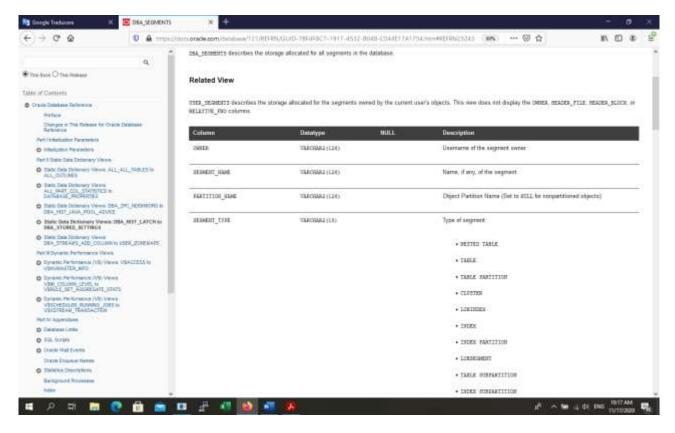
TABLESPACE_NAME	FILE_I	D FILE_NAME B	BLOCKS	BYTES
USERS	6	C:\ORACLE 12C\ORADATA\BD\USERS01.DBF	640	5242880

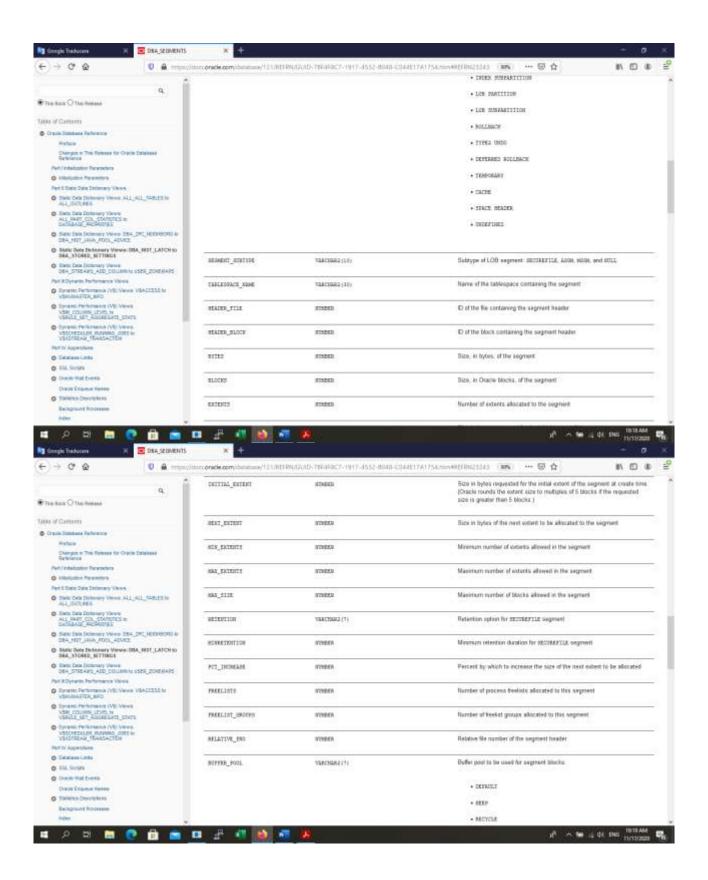
3) Informatii despre segmentele de tip tabela create intr-un tablespace :

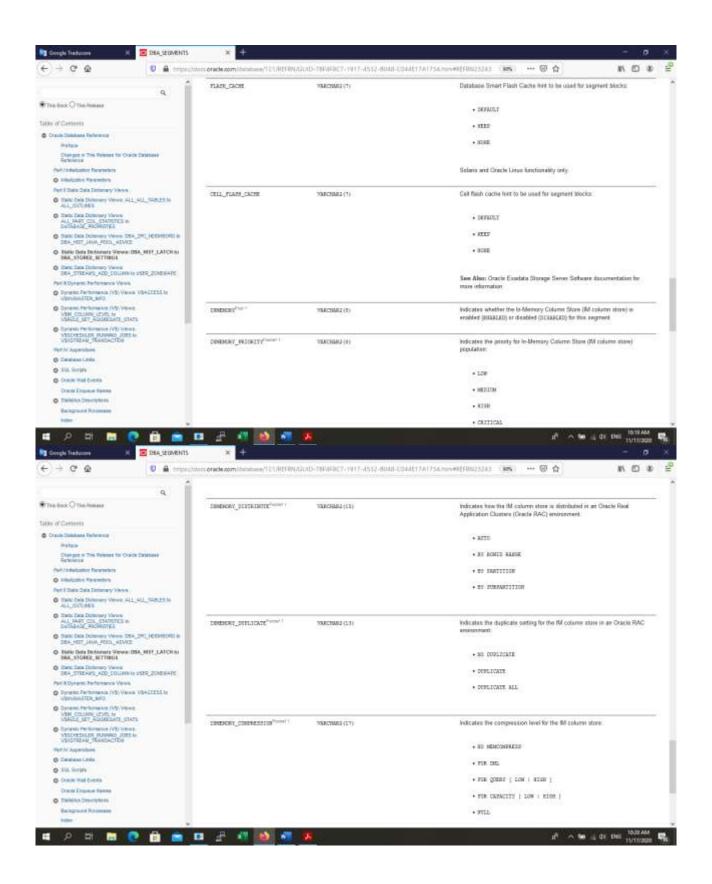
SQL> desc dba_segments;

Name	Null?	Туре
OWNER SEGMENT_NAME PARTITION NAME		VARCHAR2(128) VARCHAR2(128) VARCHAR2(128)
SEGMENT_TYPE SEGMENT_SUBTYPE TABLESPACE NAME		VARCHAR2(18) VARCHAR2(10) VARCHAR2(30)
HEADER_FILE HEADER_BLOCK BYTES		NUMBER NUMBER NUMBER
BLOCKS EXTENTS INITIAL_EXTENT		NUMBER NUMBER NUMBER
NEXT_EXTENT		NUMBER

MIN_EXTENTS MAX EXTENTS MAX_SIZE RETENTION **MINRETENTION** PCT_INCREASE **FREELISTS** FREELIST_GROUPS RELATIVE_FNO BUFFER_POOL FLASH_CACHE CELL_FLASH_CACHE **INMEMORY** INMEMORY_PRIORITY INMEMORY_DISTRIBUTE INMEMORY DUPLICATE INMEMORY_COMPRESSION **NUMBER NUMBER NUMBER** VARCHAR2(7) **NUMBER NUMBER NUMBER NUMBER NUMBER** VARCHAR2(7) VARCHAR2(7) VARCHAR2(7) VARCHAR2(8) VARCHAR2(8) VARCHAR2(15) VARCHAR2(13) VARCHAR2(17)







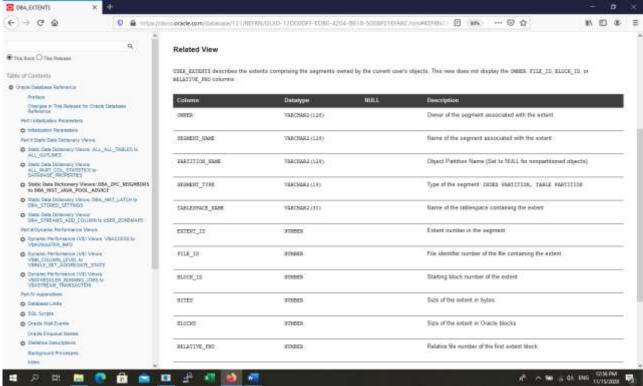
SQL> select owner,segment_name,segment_type, tablespace_name, blocks, extents from dba_segments where owner='SCOTT'and segment_type='TABLE';

OWNER	SEGMENT_NA	A SEGMENT_TYPE	TABLESPACE	BLOCKS	EXTENTS
SCOTT	DEPT	TABLE	USERS	8	1
SCOTT	EMP	TABLE	USERS	8	1
SCOTT	SALGRADE	TABLE	USERS	8	1

4) Informatii despre dimensiunea extensiilor alocate unui segment:

SQL> desc dba_extents

Name	Null?	Type
OWNER		VARCHAR2(30)
SEGMENT_NAME		VARCHAR2(81)
PARTITION_NAME		VARCHAR2(30)
SEGMENT_TYPE		VARCHAR2(18)
TABLESPACE_NAME		VARCHAR2(30)
EXTENT_ID		NUMBER
FILE_ID		NUMBER
BLOCK_ID		NUMBER
BYTES		NUMBER
BLOCKS		NUMBER
RELATIVE_FNO		NUMBER



SQL> select owner, segment_name, segment_type, tablespace_name from dba_extents where owner='SCOTT' and segment_name='EMP';

OWNER	SEGMENT_NAME	SEGMENT_TYPE	TABLESPACE_NAME
SCOTT	EMP	TABLE	USERS

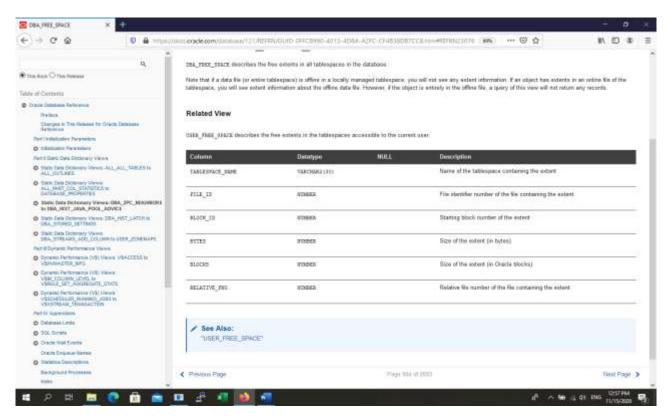
SQL> select segment_name, extent_id, file_id, block_id, blocks, bytes from dba_extents where owner='SCOTT' and segment_name='EMP';

SEGMENT_NAME	EXTENT_ID	FILE_ID	BLOCK_ID	BLOCKS	BYTES
EMP	0	6	192	8	65536

5) Informatii despre tablespace, fisierul de date alocat, numarul de blocuri si spatiul liber in fiecare bloc :

SQL> desc dba_free_space

Name	Null?	Type
TABLESPACE_NAME		VARCHAR2(30)
FILE_ID		NUMBER
BLOCK_ID		NUMBER
BYTES		NUMBER
BLOCKS		NUMBER
RELATIVE_FNO		NUMBER



SQL> select * from dba_free_space where tablespace_name='USERS';

TABLESPACE	FILE_ID	BLOCK_ID	BYTES	BLOCKS	RELATIVE_FNO
USERS	6	216	3473408	424	6
USERS	6	216	264	8	6
USERS	6	216	272	8	6

SQL> select tablespace_name, count(*), max(blocks), sum(blocks) from dba_free_space group by tablespace_name;

TABLESPACE_NAME	COUNT(*)	MAX(BLOCKS)	SUM(BLOCKS)
BI_IAS_OPSS	1	384	384
SYSAUX	140	5104	9632
UNDOTBS1	12	76544	78416
BI_IAU	1	7488	7488
BI_STB	1	1040	1040
USERS	1	424	424
SYSTEM	3	128	304
EXAMPLE	2	5200	5328
BI_BIPLATFORM	1	14744	14744
BI_WLS	1	7520	7520
BI_IAS_UMS	1	11760	11760
BI_MDS	2	10496	10536

SQL> select tablespace_name, blocks from dba_free_space where tablespace_name='SYSTEM';

TABLESPACE_NAME	BLOCKS
SYSTEM	64
SYSTEM	112
SYSTEM	128

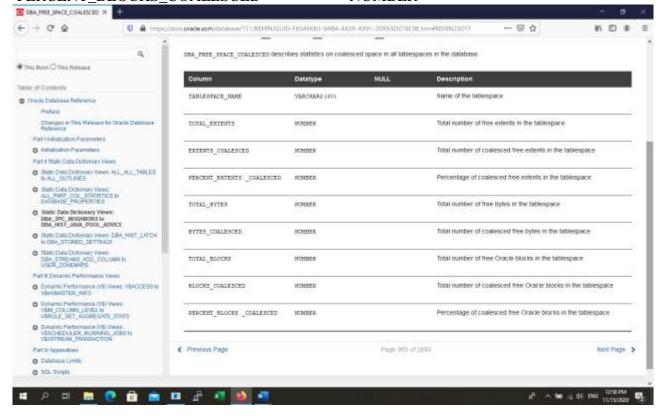
6) Unificarea spatiilor contigue dintr-un tablespace(defragmentare):

SQL> desc dba_free_space_coalesced

Name	Null?	Type
TABLESPACE_NAME		VARCHAR2(30)
TOTAL_EXTENTS		NUMBER
EXTENTS_COALESCED		NUMBER
PERCENT_EXTENTS_COALE	ESCED	NUMBER
TOTAL_BYTES		NUMBER
BYTES_COALESCED		NUMBER
TOTAL_BLOCKS		NUMBER

BLOCKS_COALESCED PERCENT_BLOCKS_COALESCED

NUMBER NUMBER

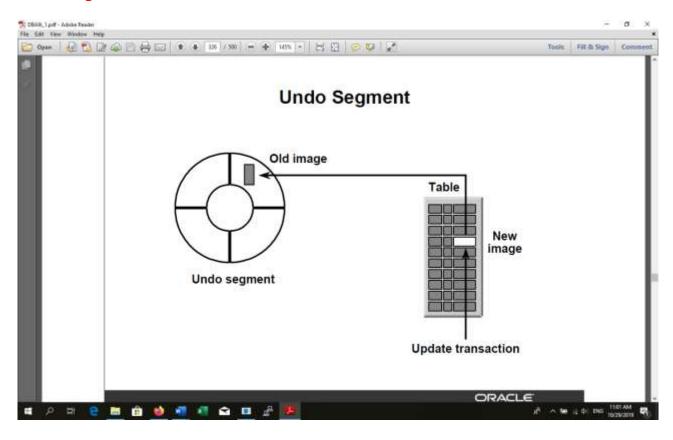


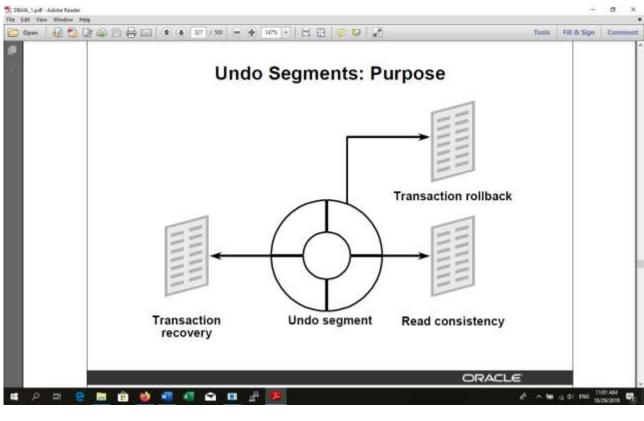
SQL> alter tablespace BD coalesce;

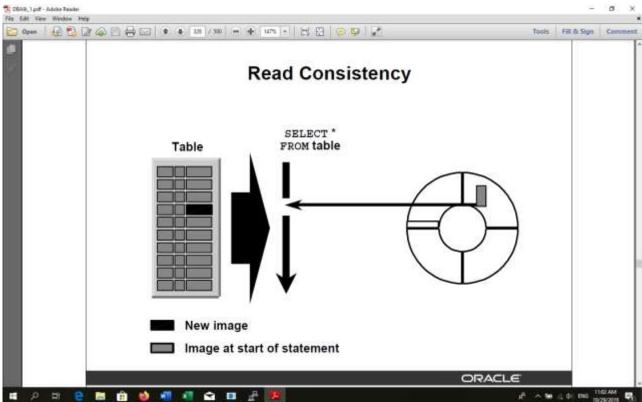
SQL> select tablespace_name,total_extents, percent_extents_coalesced from dba_free_space_coalesced;

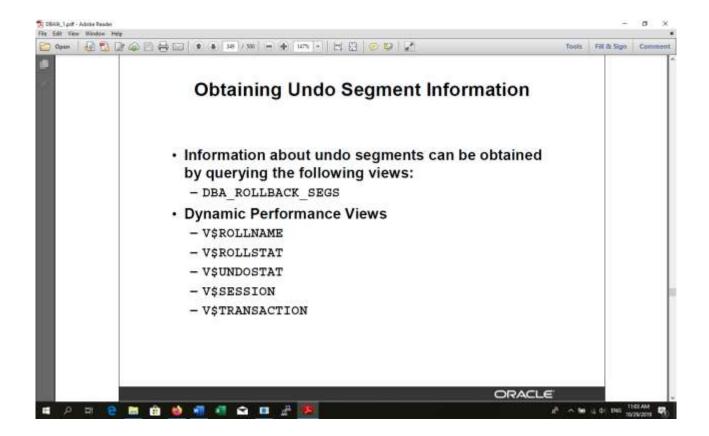
TABLESPACE_NAME	TOTAL_EXTENTS	PERCENT_EXTENTS_COALESCED
SYSAUX	144	100
BI_IAS_OPSS	1	100
BI_BIPLATF	1	100
BI_STB	1	100
UNDOTBS1	10	100
USERS	1	100
EXAMPLE	2	100
BI_IAS_UMS	1	100
SYSTEM	3	100
BI_MDS	2	100
BI_IAU	1	100
BI_WLS	1	100

B. Segmente de undo si sortare









7) Crearea unui tablespace de undo:

SQL> create undo tablespace ABD_UNDO datafile 'g:\temp\abd_undo_db01.dbf' size 2M;

Tablespace created.

8) Crearea unui segment de undo in tablespace-ul de undo:

SQL> create rollback segment ABD_UNDO_SEG tablespace ABD_UNDO storage (initial 100k next 100k optimal 4M minextents 20 maxextents 100);

Rollback segment created.

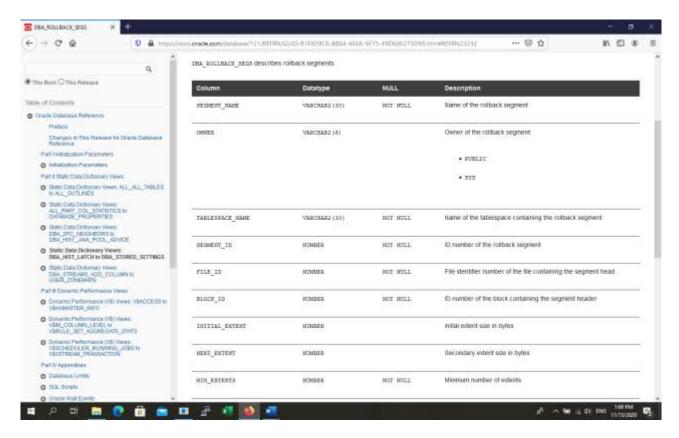
Obs. Daca la startarea bazei de date parametrul UNDO_MANAGEMENT= AUTO atunci segmentul nu poate fi utilizat online.

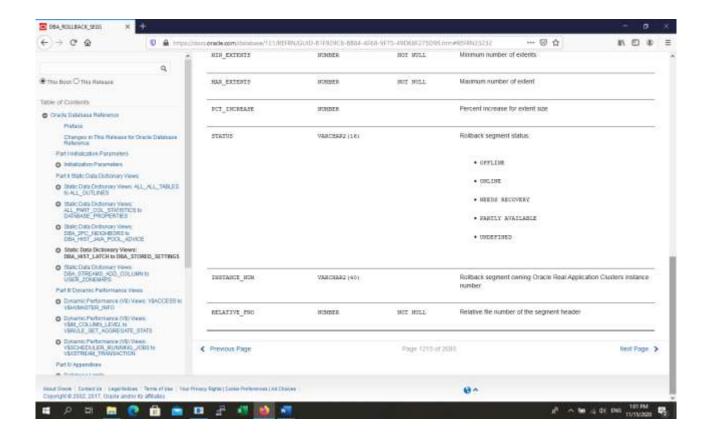
9) Informatii din dictionar privind segmentele de undo:

SQL> desc dba_rollback_segs

Name	Null?	Type
SEGMENT_NAME	NOT NULL	VARCHAR2(30)

OWNER VARCHAR2(6) TABLESPACE_NAME **NOT NULL** VARCHAR2(30) NOT NULL SEGMENT ID **NUMBER** FILE_ID **NOT NULL NUMBER** BLOCK ID NOT NULL **NUMBER** INITIAL_EXTENT **NUMBER NEXT EXTENT NUMBER** MIN_EXTENTS **NOT NULL NUMBER** MAX_EXTENTS **NOT NULL NUMBER** PCT INCREASE **NUMBER STATUS** VARCHAR2(16) INSTANCE_NUM VARCHAR2(40) RELATIVE FNO **NOT NULL NUMBER**



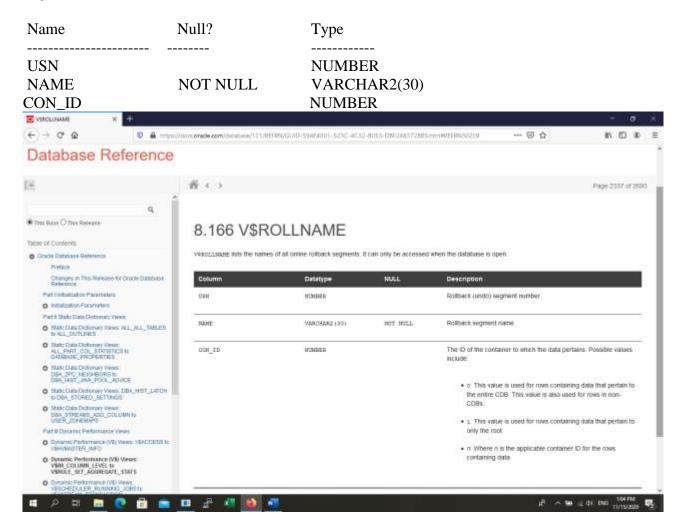


SQL> select segment_name,tablespace_name,owner,status from dba_rollback_segs;

SEGMENT_NAME	TABLESPACE	OWNER	STATUS
GN/GTEN A	CALCEDEN A		ONIL INIE
SYSTEM	SYSTEM	SYS	ONLINE
_SYSSMU11_1204745426\$	UNDOTBS1	PUBLIC	OFFLINE
_SYSSMU10_3901898544\$	UNDOTBS1	PUBLIC	ONLINE
_SYSSMU9_889291946\$	UNDOTBS1	PUBLIC	ONLINE
_SYSSMU8_153572397\$	UNDOTBS1	PUBLIC	ONLINE
_SYSSMU7_233526786\$	UNDOTBS1	PUBLIC	ONLINE
_SYSSMU6_3822221795\$	UNDOTBS1	PUBLIC	ONLINE
_SYSSMU5_3484600714\$	UNDOTBS1	PUBLIC	ONLINE
_SYSSMU4_910366693\$	UNDOTBS1	PUBLIC	ONLINE
_SYSSMU3_2165878102\$	UNDOTBS1	PUBLIC	ONLINE
_SYSSMU2_3197760948\$	UNDOTBS1	PUBLIC	ONLINE
_SYSSMU1_1607784644\$	UNDOTBS1	PUBLIC	ONLINE
_SYSSMU19_2088400043\$	BD_UNDO	PUBLIC	OFFLINE
_SYSSMU18_1275962030\$	BD_UNDO	PUBLIC	OFFLINE
_SYSSMU17_46852941\$	BD_UNDO	PUBLIC	OFFLINE
_SYSSMU16_2926588256\$	BD_UNDO	PUBLIC	OFFLINE
_SYSSMU15_3531944707\$	BD_UNDO	PUBLIC	OFFLINE
_SYSSMU14_3622294764\$	BD_UNDO	PUBLIC	OFFLINE

10) Segmentele de undo folosite de instanta curenta:

SQL> desc v\$rollname



SQL> select * from v\$rollname;

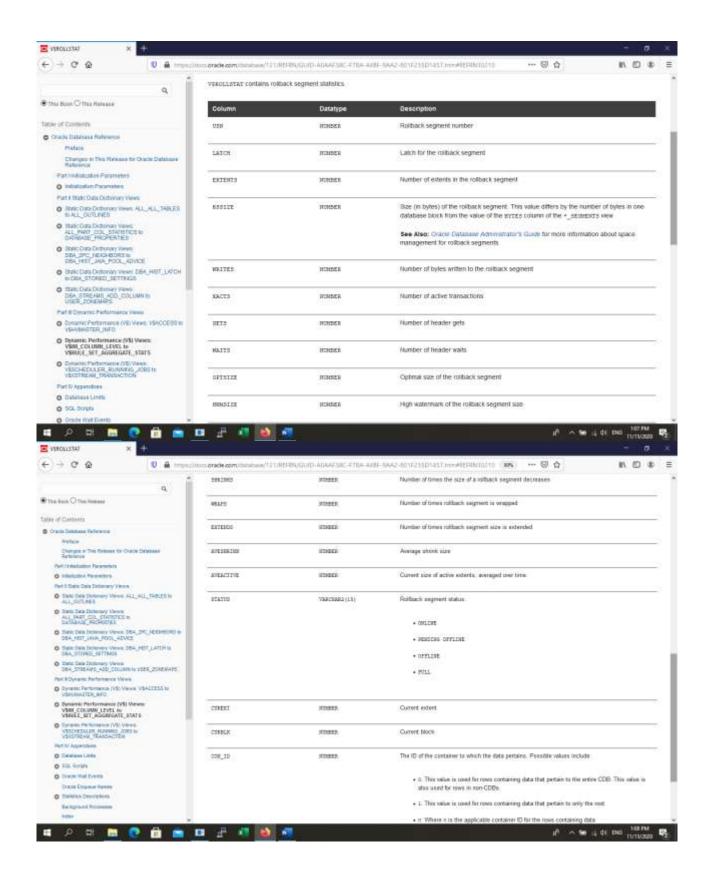
NAME	CON_ID
SYSTEM	0
_SYSSMU1_1607784644\$	0
_SYSSMU2_3197760948\$	0
_SYSSMU3_2165878102\$	0
_SYSSMU4_910366693\$	0
_SYSSMU5_3484600714\$	0
_SYSSMU6_3822221795\$	0
_SYSSMU7_233526786\$	0
	SYSTEM _SYSSMU1_1607784644\$ _SYSSMU2_3197760948\$ _SYSSMU3_2165878102\$ _SYSSMU4_910366693\$ _SYSSMU5_3484600714\$ _SYSSMU6_3822221795\$

8	_SYSSMU8_153572397\$	0
9	_SYSSMU9_889291946\$	0
10	_SYSSMU10_3901898544\$	0

11) Statistici despre segmentele de undo:

SQL> desc v\$rollstat

Name	Null? Type
USN	NUMBER
LATCH	NUMBER
EXTENTS	NUMBER
RSSIZE	NUMBER
WRITES	NUMBER
XACTS	NUMBER
GETS	NUMBER
WAITS	NUMBER
OPTSIZE	NUMBER
HWMSIZE	NUMBER
SHRINKS	NUMBER
WRAPS	NUMBER
EXTENDS	NUMBER
AVESHRINK	NUMBER
AVEACTIVE	NUMBER
STATUS	VARCHAR2(15)
CUREXT	NUMBER
CURBLK	NUMBER
CON_ID	NUMBER



SQL> select usn, rssize, extents, status from v\$rollstat;

USI	N RSSIZE	EXTENTS	S STATUS
0	385024	6	ONLINE
1	1171456	3	ONLINE
2	1171456	3	ONLINE
3	1171456	3	ONLINE
4	1171456	3	ONLINE
5	1171456	3	ONLINE
6	1171456	3	ONLINE
7	1171456	3	ONLINE
8	385024	6	ONLINE
9	1171456	3	ONLINE
10	1171456	3	ONLINE

12) Informatii despre useri si sesiuni:

SQL> desc v\$session

Name	Null?	Type
SADDR		RAW(4)
SID		NUMBER
SERIAL#		NUMBER
AUDSID		NUMBER
PADDR		RAW(4)
USER#		NUMBER
USERNAME		VARCHAR2(30)
COMMAND		NUMBER
OWNERID		NUMBER
TADDR		VARCHAR2(8)
LOCKWAIT		VARCHAR2(8)
STATUS		VARCHAR2(8)
SERVER		VARCHAR2(9)
SCHEMA#		NUMBER
SCHEMANAME		VARCHAR2(30)
OSUSER		VARCHAR2(30)
PROCESS		VARCHAR2(12)
MACHINE		VARCHAR2(64)

TERMINAL VARCHAR2(16)
PROGRAM VARCHAR2(64)
TYPE VARCHAR2(10)

SQL_ADDRESS RAW(4)
SQL_HASH_VALUE NUMBER
PREV_SQL_ADDR RAW(4)
PREV_HASH_VALUE NUMBER

MODULE VARCHAR2(48)

MODULE_HASH NUMBER

ACTION VARCHAR2(32)

ACTION_HASH NUMBER

CLIENT_INFO VARCHAR2(64)

FIXED_TABLE_SEQUENCE NUMBER
ROW_WAIT_OBJ# NUMBER
ROW_WAIT_FILE# NUMBER
ROW_WAIT_BLOCK# NUMBER
ROW_WAIT_ROW# NUMBER
LOGON_TIME DATE
LAST_CALL_ET NUMBER

PDML_ENABLED VARCHAR2(3) FAILOVER_TYPE VARCHAR2(13) FAILOVER METHOD VARCHAR2(10) FAILED OVER VARCHAR2(3) RESOURCE_CONSUMER_GROUP VARCHAR2(32) PDML STATUS VARCHAR2(8) PDDL_STATUS VARCHAR2(8) PQ STATUS VARCHAR2(8) CURRENT_QUEUE_DURATION **NUMBER**

CLIENT_IDENTIFIER VARCHAR2(64)

.

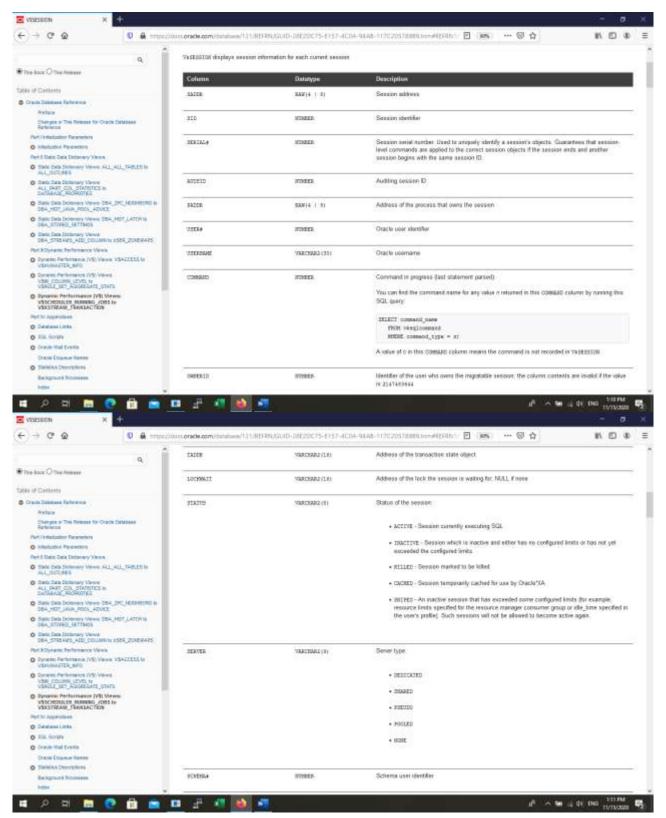
SERVICE_NAME VARCHAR2(64)
SQL_TRACE VARCHAR2(8)
SQL_TRACE_WAITS VARCHAR2(5)
SQL_TRACE_BINDS VARCHAR2(5)
SQL_TRACE_PLAN_STATS VARCHAR2(10)

SESSION_EDITION_ID NUMBER
CREATOR_ADDR RAW(8)
CREATOR_SERIAL# NUMBER

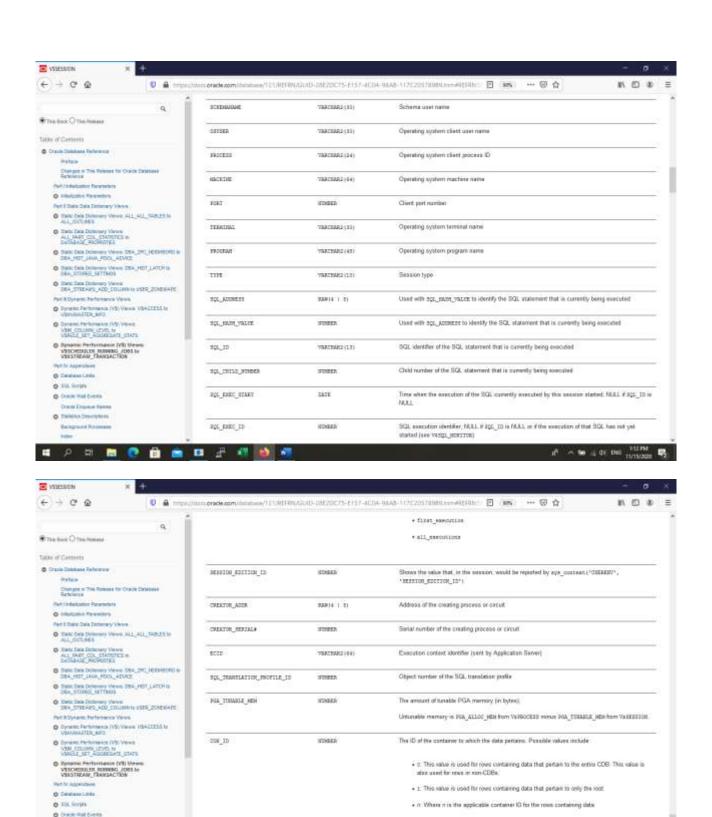
ECID VARCHAR2(64)

SQL_TRANSLATION_PROFILE_ID NUMBER PGA_TUNABLE_MEM NUMBER CON ID NUMBER

EXTERNAL_NAME VARCHAR2(1024)



.



VERCHARD (1124)

External name of the database user. For enterprise users, returns the Oracle Internet Directory

Drattic Exposure Horses

Nacignant Processes

KETERNAL MOR

SQL> select username, sid, saddr, service_name from v\$session;

USERNAME	SID	SADDR	SERVICE_NAME
	1	00007FFC6DD1F780	SYS\$BACKGROUND
	2	00007FFC6DD1D6B0	SYS\$BACKGROUND
	3	00007FFC6DD1B5E0	SYS\$BACKGROUND
	4	00007FFC6DD19510	SYS\$BACKGROUND
	5	00007FFC6DD17440	SYS\$BACKGROUND
	6	00007FFC6DD15370	SYS\$BACKGROUND
	7	00007FFC6DD132A0	SYS\$BACKGROUND
	8	00007FFC6DD111D0	SYS\$BACKGROUND
	9	00007FFC6DD0F100	SYS\$BACKGROUND
	10	00007FFC6DD0D030	SYS\$BACKGROUND
	13	00007FFC6DD06DC0	SYS\$BACKGROUND
	14	00007FFC6DD04CF0	SYS\$BACKGROUND
SCOTT	16	00007FFC6DD00B50	SYS\$USERS
	40	00007FFC6DCCF7D0	SYS\$BACKGROUND

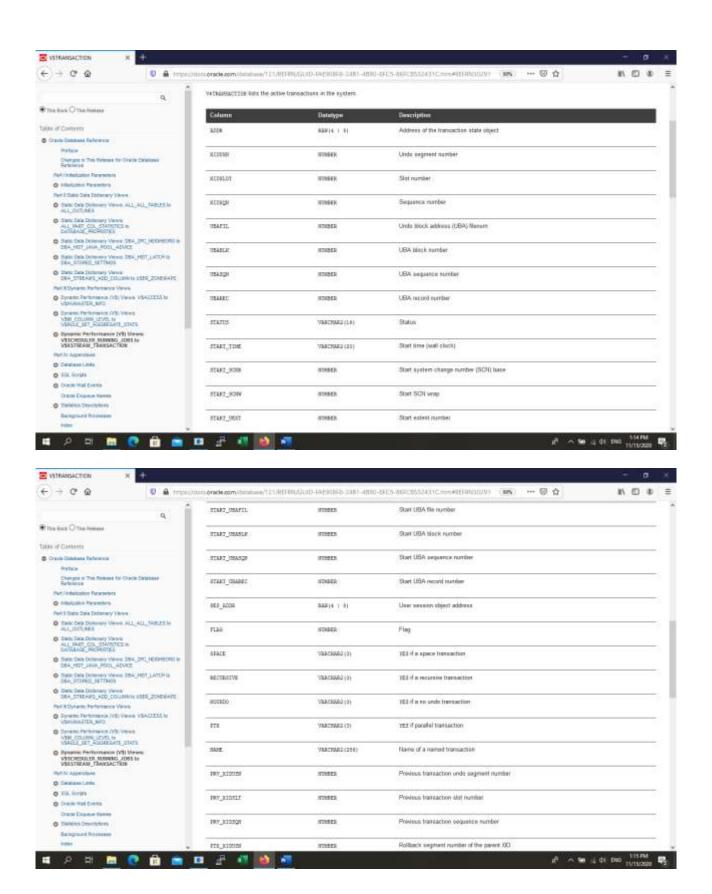
13) Informatii despre tranzactii(adresele tranzactiilor pot fi relationate cu sesiunile prin ses_addr):

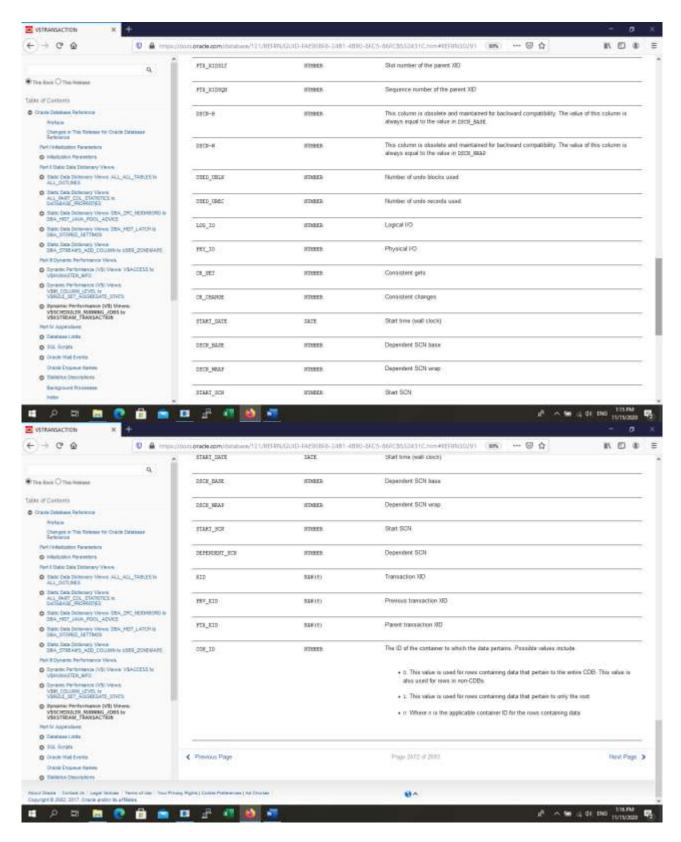
SQL> desc v\$transaction

Name	Null?	Type
ADDR		RAW(4)
XIDUSN		NUMBER
XIDSLOT		NUMBER
XIDSQN		NUMBER
UBAFIL		NUMBER
UBABLK		NUMBER
UBASQN		NUMBER
UBAREC		NUMBER
STATUS		VARCHAR2(16)
START_TIME		VARCHAR2(20)
START_SCNB		NUMBER
START_SCNW		NUMBER
START_UEXT		NUMBER
START_UBAFIL		NUMBER
START_UBABLK		NUMBER
START_UBASQN		NUMBER
START_UBAREC		NUMBER
SES_ADDR		RAW(4)

FLAG NUMBER
SPACE VARCHAR2(3)
RECURSIVE VARCHAR2(3)
NOUNDO VARCHAR2(3)
PTX VARCHAR2(3)
NAME VARCHAR2(250

VARCHAR2(256) PRV_XIDUSN **NUMBER** PRV_XIDSLT **NUMBER** PRV_XIDSQN **NUMBER** PTX_XIDUSN **NUMBER** PTX_XIDSLT **NUMBER** PTX_XIDSQN **NUMBER** DSCN-B **NUMBER** DSCN-W **NUMBER** USED_UBLK **NUMBER** USED_UREC **NUMBER** LOG_IO **NUMBER** PHY_IO **NUMBER** CR_GET **NUMBER** CR_CHANGE **NUMBER** START_DATE **DATE** DSCN BASE **NUMBER** DSCN_WRAP **NUMBER** START_SCN **NUMBER** DEPENDENT_SCN **NUMBER** XID **RAW(8)** PRV_XID **RAW**(8) PTX_XID RAW(8) CON_ID **NUMBER**





SQL> insert into emp values (999, 'TEST','TRANZACT',1111,sysdate, 100,0,10); 1 row created.

SQL> select addr, xidusn, used_ublk,start_uext, start_ubafil from v\$transaction;

ADDR	XIDUSN	USED_UBLK	START_UEXT	START_UBAFIL
00007FFC695843D8	2	1	2	5

ADDR – adresa sesiunii

XIDUSN – nr. segmentului de undo

USED_UBLK – nr. de blocuri de undo generate de tranzactie

START_UEXT- extensia segmentului de undo pentru care tranzactia a inceput scrierea

START_UBAFIL – fisierul de undo in care tranzactia curenta a inceput scrierea

UBABLK – numarul blocului de undo utilizat

14) Informatii despre blocurile de undo folosite de tranzactia curenta:

SQL> SELECT s.username, t.xidusn, t.ubafil, t.ubablk, t.used_ublk FROM v\$session s, v\$transaction t WHERE s.saddr = t.ses_addr;

USERNAME	XIDUSN	UBAFIL	UBABLK	USED_UBLK
SCOTT	2	5	441	1

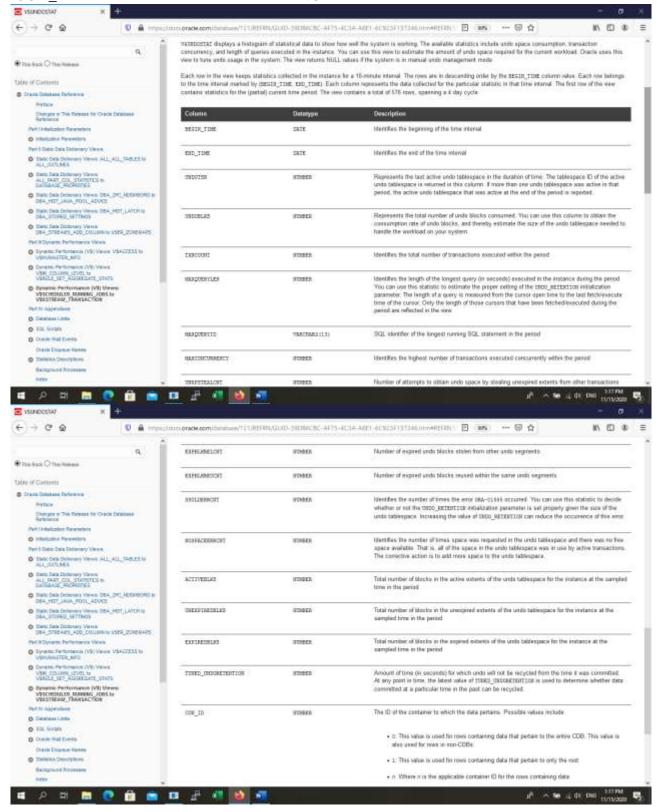
15) Statistici privind dimensiunea spatiului de undo:

SQL> desc v\$undostat

Name	Null? Type	
BEGIN_TIME	DATE	
END_TIME	DATE	
UNDOTSN	NUMBER	
UNDOBLKS	NUMBER	
TXNCOUNT	NUMBER	
MAXQUERYLEN	NUMBER	
MAXQUERYID	VARCHAR2(13	3)
MAXCONCURRENCY	NUMBER	
UNXPSTEALCNT	NUMBER	
UNXPBLKRELCNT	NUMBER	
UNXPBLKREUCNT	NUMBER	
EXPSTEALCNT	NUMBER	
EXPBLKRELCNT	NUMBER	
EXPBLKREUCNT	NUMBER	
SSOLDERRCNT	NUMBER	
NOSPACEERRCNT	NUMBER	
ACTIVEBLKS	NUMBER	
UNEXPIREDBLKS	NUMBER	

EXPIREDBLKS TUNED_UNDORETENTION CON ID

NUMBER NUMBER NUMBER



SQL> SELECT to_char(begin_time, 'dd-mm-yyyy hh:mi:ss') start_time, to_char(end_time,'dd-mm-yyyy hh:mi:ss') end_time, ((end_time-begin_time)* 24)*60 minute, undoblks FROM v\$undostat;

START_TIME	END_TIME	MINUTE	UNDOBLKS
29-10-2019 11:53:53	29-10-2019 12:01:36	7.71666667	171
29-10-2019 11:43:53	29-10-2019 11:53:53	10	7
29-10-2019 11:33:53	29-10-2019 11:43:53	10	1
29-10-2019 11:23:53	29-10-2019 11:33:53	10	4
29-10-2019 11:13:53	29-10-2019 11:23:53	10	3
29-10-2019 11:03:53	29-10-2019 11:13:53	10	7
29-10-2019 10:53:53	29-10-2019 11:03:53	10	174
29-10-2019 10:43:53	29-10-2019 10:53:53	10	1

SQL> SELECT (SUM(undoblks) / SUM ((end_time - begin_time) * 24*60*60)) nr_med_blocuri_undo_sec FROM v\$undostat;

NR_MED_BLOCURI_UNDO_SEC

0.114826753

16) Reducerea spatiului alocat unui segment de undo:

SQL> alter rollback segment abd_undo_seg shrink to 4M; Rollback segment altered.

17) Stergerea din dictionar a unui segment de undo:

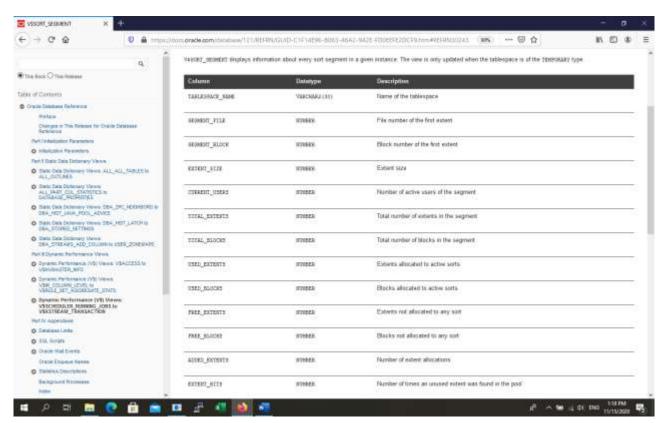
SQL> drop rollback segment abd_undo_seg; Rollback segment dropped.

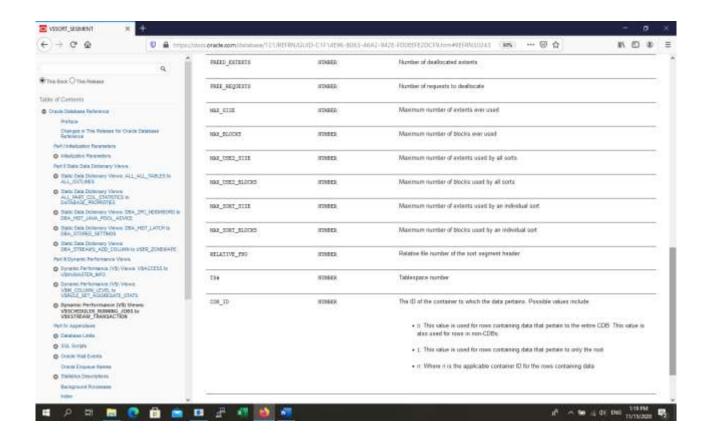
18) Informatii despre segmentele temporare de sortare (folosite in comenzile SQL de sortare):

SQL> desc v\$sort_segment

Name	Null?	Type
TABLESPACE_NAME		VARCHAR2(31)
SEGMENT_FILE		NUMBER
SEGMENT_BLOCK		NUMBER
EXTENT_SIZE		NUMBER
CURRENT_USERS		NUMBER
TOTAL_EXTENTS		NUMBER
TOTAL_BLOCKS		NUMBER

USED_EXTENTS	NUMBER
USED_BLOCKS	NUMBER
FREE_EXTENTS	NUMBER
FREE_BLOCKS	NUMBER
ADDED_EXTENTS	NUMBER
EXTENT_HITS	NUMBER
FREED_EXTENTS	NUMBER
FREE_REQUESTS	NUMBER
MAX_SIZE	NUMBER
MAX_BLOCKS	NUMBER
MAX_USED_SIZE	NUMBER
MAX_USED_BLOCKS	NUMBER
MAX_SORT_SIZE	NUMBER
MAX_SORT_BLOCKS	NUMBER
RELATIVE_FNO	NUMBER
TS#	NUMBER
CON_ID	NUMBER





SQL> select tablespace_name,max_sort_size,extent_size,max_sort_blocks from v\$sort_segment;

TABLESPACE_NAME	MAX_SORT_SIZE	EXTENT_SIZE	MAX_SORT_BLOCKS
TEMP	1	128	128
UBD TEMP	1	512	512

19) Informatii despre sesiuni si tablespace-ul in care se afla segmentele temporare de sortare folosite in sesiunea curenta:

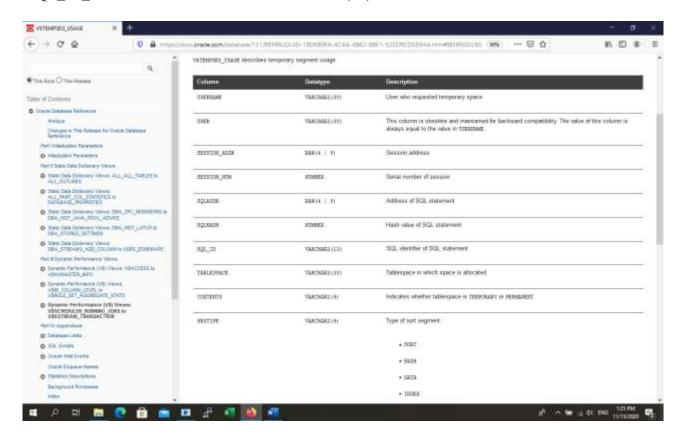
SQL> desc v\$tempseg_usage (v\$sort_usage)

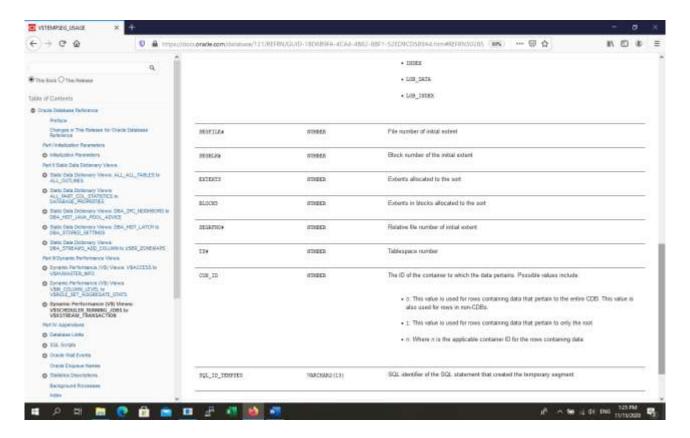
Name	Null?	Type
USERNAME		VARCHAR2(30)
USER		VARCHAR2(30)
SESSION_ADDR		RAW(4)
SESSION_NUM		NUMBER
SQLADDR		RAW(4)
SQLHASH		NUMBER
TABLESPACE		VARCHAR2(31)
CONTENTS		VARCHAR2(9)

SEGTYPE VARCHAR2(9)

SEGFILE# NUMBER
SEGBLK# NUMBER
EXTENTS NUMBER
BLOCKS NUMBER
SEGRFNO# NUMBER
TS# NUMBER
CON_ID NUMBER

SQL_ID_TEMPSEG VARCHAR2(13)





SQL> select username, user, table space, contents, extents, blocks from v\$tempseg_usage;

USERNAME	USER	TABLESPACE	CONTENTS	EXTENTS	BLOCKS
SYS	SCOTT	TEMP	TEMPORARY	1	128

20) Setarea zonei de memorie utilizata pentru sortare in sesiunea curenta la 10K.

SQL> alter system set sort_area_size=10240 deferred;