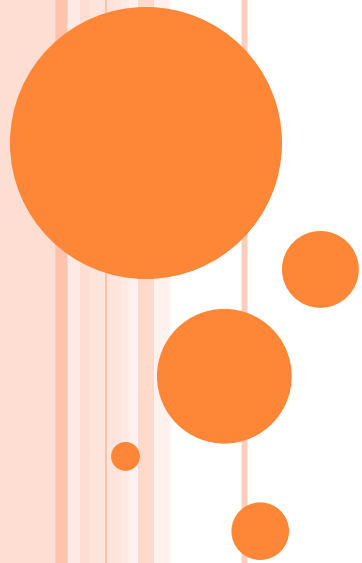


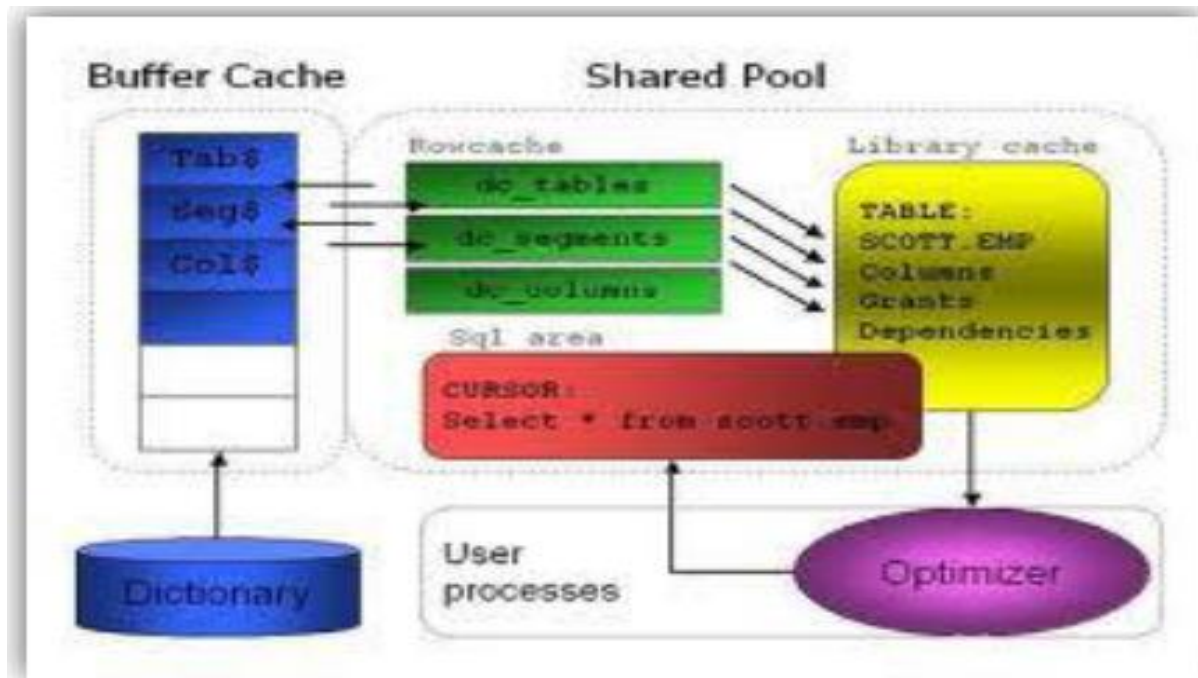
BÖLÜM- 10: VERİ SÖZLÜĞÜ

- Veri Sözlüğü (Data Dictionary) nedir?
- Data Dictionary View nasıl kullanılır?
- Data Dictionary View ile hangi veriler alınabilir?

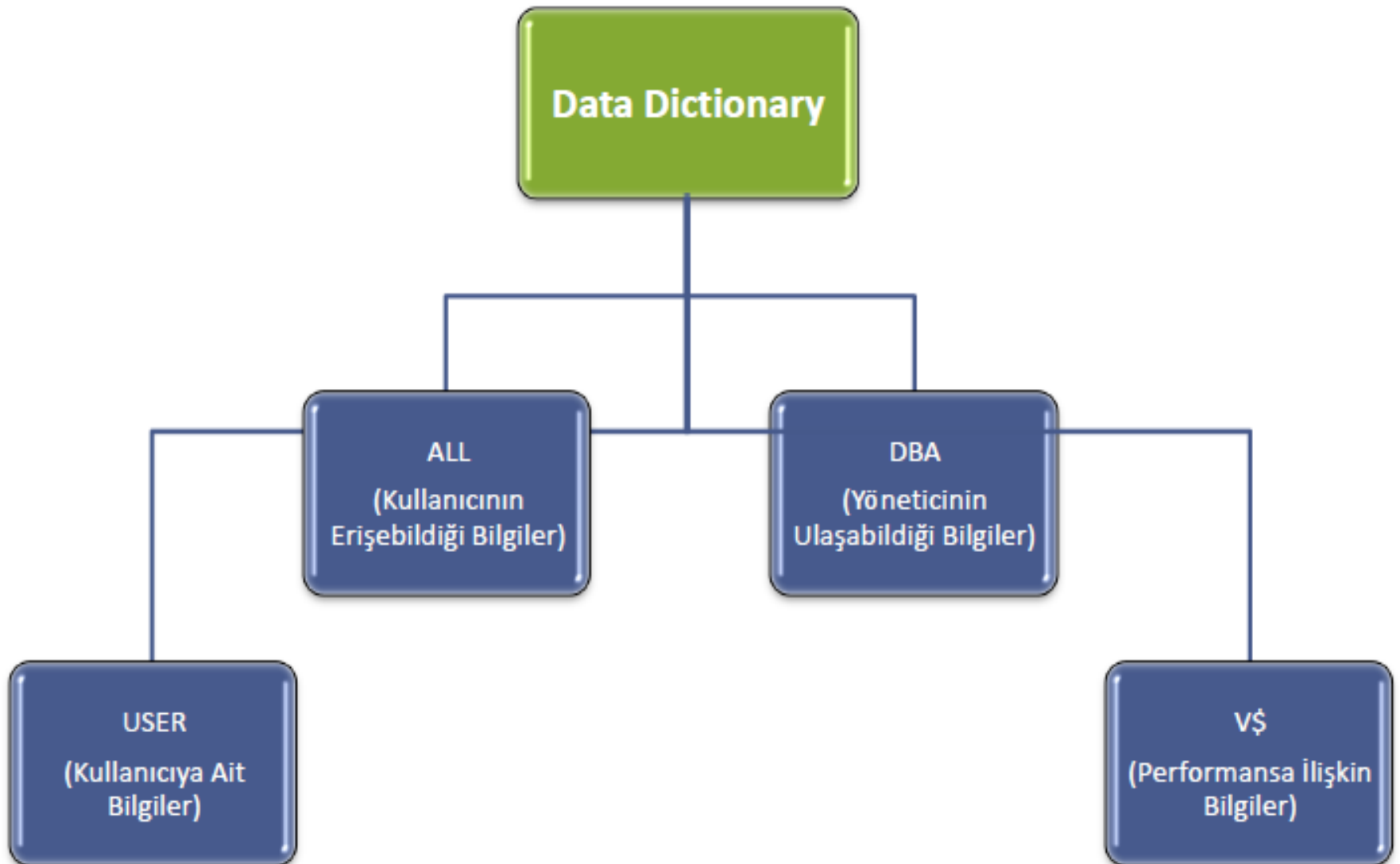


DATA DICTIONARY

- Data Dictionary, veritabanı bilgileri, tüm objelere dair bilgiler, kullanıcı yetkileri vb. bilgilerin saklandığı yerlerdir.
- Bu veriler tablolar yada view'lar üzerinden elde edilebilirler.



DATA DICTIONARY YAPISI



DATA DICTIONARY VIEWS NASIL KULLANILIR

- Aramak istediğimiz tüm view isimleri DICTIONARY altındadır.
- Dictionary, sadece TABLE_NAME ve COMMENTS isminde 2 kolona sahiptir.
- Aranmak istenen view'lar, Dictionary sorgulanarak bulunabilir.
- *select * from dictionary;*

TABLE_NAME	COMMENTS
USER_CONS_COLUMNS	Information about accessible columns in constraint definitions
ALL_CONS_COLUMNS	Information about accessible columns in constraint definitions
DBA_CONS_COLUMNS	Information about accessible columns in constraint definitions
USER_LOG_GROUP_COLUMNS	Information about columns in log group definitions
ALL_LOG_GROUP_COLUMNS	Information about columns in log group definitions
DBA_LOG_GROUP_COLUMNS	Information about columns in log group definitions
USER_LOBS	Description of the user's own LOBs contained in the user's own tables

20: 1 | Row 1 of 500 fetched so far (more rows exist) | MSDEVECI@TESTDB | Modified

DATA DICTIONARY VIEWS

USER_OBJECTS

- Kullanıcın sahip olduğu tüm nesneler hakkında bilgi verir
- Nesnenin oluşturulma tarihi
- Son değişikliğe uğradığı tarih
- Nesnenin geçerli yada geçersiz olduğunun bilgisi
- Nesne Tipi
- *select * from user_objects;*

OBJECT_NAME	SUBOBJECT_NAME	OBJECT_ID	DATA_OBJECT_ID	OBJECT_TYPE	CREATED	LAST_DDL_TIME	TIMESTAMP	STATUS	TEMPORARY	GENERATED	SECONDARY	NAMESPACE	EDITION_NAME
TEST		88990		VIEW	22-Jul-14 12:37:34 PM	22-Jul-14 12:37:34 PM	2014-07-22:12:37:34	VALID	N	N	N	1	
TEST2		88992		VIEW	22-Jul-14 12:46:58 PM	22-Jul-14 12:46:58 PM	2014-07-22:12:46:58	VALID	N	N	N	1	
ISCILER		88993		VIEW	22-Jul-14 12:48:59 PM	22-Jul-14 12:54:37 PM	2014-07-22:12:54:37	VALID	N	N	N	1	
BOLUM		88994		VIEW	22-Jul-14 1:50:16 PM	22-Jul-14 2:00:59 PM	2014-07-22:13:50:16	VALID	N	N	N	1	
SEQ_ORNEK		88995		SEQUENCE	22-Jul-14 2:06:48 PM	22-Jul-14 2:19:53 PM	2014-07-22:14:06:48	VALID	N	N	N	1	
PERSONEL		89001		SYNONYM	22-Jul-14 2:51:55 PM	22-Jul-14 2:51:55 PM	2014-07-22:14:51:55	VALID	N	N	N	1	

DATA DICTIONARY VIEWS

ALL_OBJECTS

- Kullanıcın sahip olduğunun yanında erişebildiği diğer tüm nesneler hakkında bilgi verir
- `select * from all_objects;`

OWNER	OBJECT_NAME	SUBOBJECT_NAME	OBJECT_ID	DATA_OBJECT_ID	OBJECT_TYPE	CREATED	LAST_DDL_TIME	TIMESTAMP	STATUS	TEMPORARY	GENERATED	SECONDARY	NAMESPACE	ED
SYS	CON\$		28	28	TABLE	01-Oct-13 9:29:42 PM	01-Oct-13 10:18:38 PM	2013-10-01:21:29:42	VALID	N	N	N	1	
SYS	I_COL2		49	49	INDEX	01-Oct-13 9:29:42 PM	01-Oct-13 9:29:42 PM	2013-10-01:21:29:42	VALID	N	N	N	4	
SYS	I_USER#		11	11	INDEX	01-Oct-13 9:29:42 PM	01-Oct-13 9:29:42 PM	2013-10-01:21:29:42	VALID	N	N	N	4	
SYS	C_TS#		6	6	CLUSTER	01-Oct-13 9:29:42 PM	01-Oct-13 9:29:42 PM	2013-10-01:21:29:42	VALID	N	N	N	5	
SYS	I_OBJ#		3	3	INDEX	01-Oct-13 9:29:41 PM	01-Oct-13 9:29:41 PM	2013-10-01:21:29:41	VALID	N	N	N	4	
SYS	I_CON2		52	52	INDEX	01-Oct-13 9:29:42 PM	01-Oct-13 9:29:42 PM	2013-10-01:21:29:42	VALID	N	N	N	4	
SYS	I_OBJ5		40	40	INDEX	01-Oct-13 9:29:42 PM	01-Oct-13 9:29:42 PM	2013-10-01:21:29:42	VALID	N	N	N	4	

39 msec Row 1 of 500 fetched so far (more rows exist) MSDEVECI@TESTDB Modified

DATA DICTIONARY VIEWS

- Kullanıcıların oluşturduğu tablolar sorgulanabilir
- *select * from user_tables;*

TABLE_NAME	TABLESPACE_NAME	CLUSTER...	IOT_NAME	STATUS	PCT_FREE	PCT_USED	INI_TRANS	MAX_TRANS	INITIAL_EXTENT	NEXT_EXTENT	MIN_EXTENTS	MAX_EXTENTS	PCT_INC...	FREELISTS	FREELIST_GROUPS...
DENEME	USERS			VALID	10		1	255	65536	1048576	1	2147483645			
ISCI	USERS			VALID	10		1	255	65536	1048576	1	2147483645			
JOBS	USERS			VALID	10		1	255	65536	1048576	1	2147483645			
PAYMENT	USERS			VALID	10		1	255	65536	1048576	1	2147483645			
EMPLOYER	USERS			VALID	10		1	255	65536	1048576	1	2147483645			
DEPARTMENT	USERS			VALID	10		1	255	65536	1048576	1	2147483645			
EMPLOYEE	USERS			VALID	10		1	255	65536	1048576	1	2147483645			

25: 1 Row 1 of 7 total rows MSDEVECI@TESTDB Modified

- Tabloların sahip olduğu kolonlar sorgulanabilir
- *select * from user_tab_columns;*

TABLE_NAME	COLUMN_NAME	DATA_TYPE	DATA_TYPE_MOD	DATA_TYPE_OWNER	DATA_LENGTH	DATA_PRECISION	DATA_SCALE	NULLABLE	COLUMN_ID	DEFAULT_LENGTH	DATA_DEFAULT	NUM_DISTINCT	LOW_VALUE
ISCI	DEPARTMENT_ID	NUMBER			22	4	0 Y		1		(WideMemo)		
DEPARTMENT	DEPARTMENT_NAME	VARCHAR2			30			N	2		(WideMemo)		
EMPLOYER	MANAGER_ID	NUMBER			22	6	0 Y		3		(WideMemo)		
DEPARTMENT	MANAGER_ID	NUMBER			22	6	0 Y		3		(WideMemo)		
JOBS	LOCATION_ID	NUMBER			22	4	0 Y		4		(WideMemo)		
PAYMENT	MANAGER_ID	NUMBER			22	6	0 Y		3		(WideMemo)		
JOBS	DEPARTMENT ID	NUMBER			22	4	0 Y		1		(WideMemo)		

27: 1 Row 1 of 40 total rows MSDEVECI@TESTDB Modified

DATA DICTIONARY VIEWS

- Kullanıcıların oluşturduğu constraintler detaylı bir şekilde sorgulanabilir
- `select * from user_constraints;`

OWNER	CONSTRAINT_NAME	CONSTRAINT_TYPE	TABLE_NAME	SEARCH_CONDITION	R_OWNER	R_CONSTRAINT_NAME	DELETE_RULE	STATUS	DEFERRABLE	DEFERRED	VALIDATOR
MSDEVECI	SYS_C0011388	C	JOBS	(WIDEMEMO)				ENABLED	NOT DEFERRABLE	IMMEDIATE	VA
MSDEVECI	SYS_C0011387	C	EMPLOYEE	(WIDEMEMO)				ENABLED	NOT DEFERRABLE	IMMEDIATE	VA
MSDEVECI	SYS_C0011386	C	DEPARTMENT	(WIDEMEMO)				ENABLED	NOT DEFERRABLE	IMMEDIATE	VA
MSDEVECI	SYS_C0011385	C	EMPLOYER	(WIDEMEMO)				ENABLED	NOT DEFERRABLE	IMMEDIATE	VA
MSDEVECI	SYS_C0011384	C	PAYMENT	(WIDEMEMO)				ENABLED	NOT DEFERRABLE	IMMEDIATE	VA
MSDEVECI	BIN\$/spQR8lwAALgQ6wZA4DEKQ==\$0	C	BIN\$/spQR8lxAALgQ6wZA4DEKQ==\$0	(WIDEMEMO)				ENABLED	NOT DEFERRABLE	IMMEDIATE	VA
MSDEVECI	SYS_C0011382	C	ISCI	(WIDEMEMO)				ENABLED	NOT DEFERRABLE	IMMEDIATE	VA

- Constraintler (table,column) hakkında kısa bilgiler verir
- `select * from user_cons_columns`

OWNER	CONSTRAINT_NAME	TABLE_NAME	COLUMN_NAME	POSITION
MSDEVECI	SYS_C0011381	DENEME	DEPARTMENT_NAME	
MSDEVECI	SYS_C0011382	ISCI	DEPARTMENT_NAME	
MSDEVECI	BIN\$/spQR8lwAALgQ6wZA4DEKQ==\$0	BIN\$/spQR8lxAALgQ6wZA4DEKQ==\$0	DEPARTMENT_NAME	
MSDEVECI	SYS_C0011384	PAYMENT	DEPARTMENT_NAME	
MSDEVECI	SYS_C0011385	EMPLOYER	DEPARTMENT_NAME	
MSDEVECI	SYS_C0011386	DEPARTMENT	DEPARTMENT_NAME	
MSDEVECI	SYS_C0011387	EMPLOYEE	DEPARTMENT_NAME	

DATA DICTIONARY VIEWS

○ *select * from user_views;*

VIEW_NAME	TEXT_LENGTH	TEXT	TYPE_TEXT_LENGTH	TYPE_TEXT	OID_TEXT_LENGTH	OID_TEXT	VIEW_TYPE_OWNER	VIEW_TYPE	SUPERVIEW_NAME	EDITIONING_VIEW	READ_ONLY
TEST	24	(WIDEMEMO)								N	N
TEST2	87	(WIDEMEMO)								N	N
ISCILER	52	(WIDEMEMO)								N	N
BOLUM	126	(WIDEMEMO)								N	N

27: 1	Row 1 of 4 total rows	MSDEVECI@TESTDB	Modified
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○ *select * from user_sequences;*

SEQUENCE_NAME	MIN_VALUE	MAX_VALUE	INCREMENT_BY	CYCLE_FLAG	ORDER_FLAG	CACHE_SIZE	LAST_NUMBER
SEQ_ORNEK	1	10000	2	N	N	0	14

27: 1	Row 1 of 1 total rows	MSDEVECI@TESTDB	Modified
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