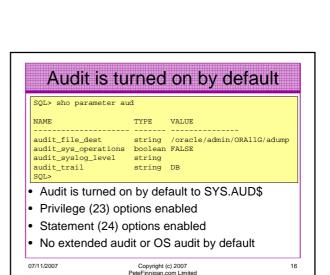
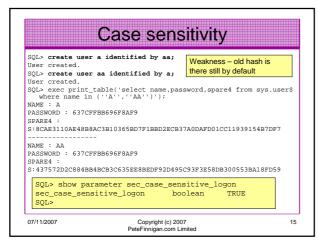
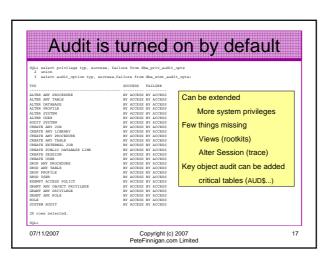
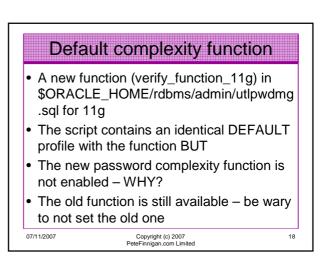


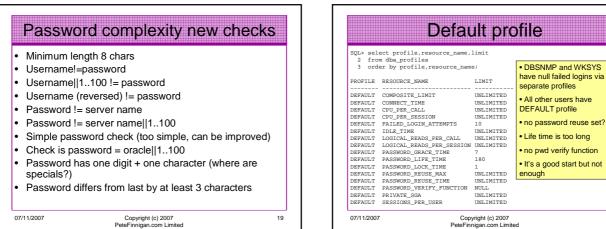
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Fine Grained Network Access

SQL> exec dbms\_output.put\_line(utl\_inaddr.get\_host\_name);

BEGIN dbms\_output.put\_line(utl\_inaddr.get\_host\_name); END;

DRR.VG at life 1. ORA-046512: at "SYS.UTL\_INADDR", line 4 ORA-06512: at "SYS.UTL\_INADDR", line 35 ORA-06512: at line 1

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Works with UTL\_TCF

the network and UTL\_INADDR for resolve

DNS requests

Access denied by default for non privileged uers

UTL\_SMTP. UTL\_MAIL and UTL\_HTTP for connections to

21

SOL> create user cc identified by cc;

SQL> grant create session to cc;

SQL> connect cc/cc@orallg

at line 1:

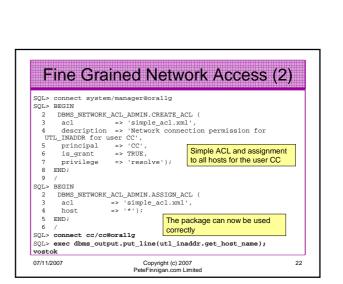
User created.

Connected

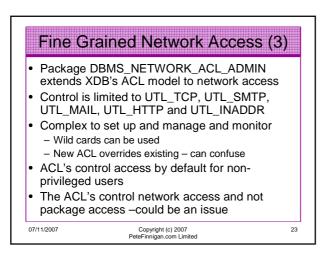
ERROR

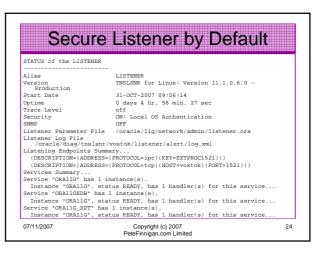
07/11/2007

Grant succeeded.



20







25

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12 rows selected.	Can implement y same	our own version o	fthe
07/11/2007	Copyright (c) 2007 PeteFinnigan.com Limi	ted	26
Conn	ection th	rottling	
CONT		nottinig	
SQL> show parameter s	ec		
NAME		TYPE	VALUE
db securefile		string	PERMITTED
optimizer_secure_view	_merging	boolean	TRUE
sec_case_sensitive_lc	gon	boolean	TRUE
<pre>sec_max_failed_login_</pre>	attempts	integer	10
sec_protocol_error_fu	_		CONTINUE
sec_protocol_error_tr	ace_action	string	TRACE

			888888
	ext from dba_views ew_name='DBA_USERS_WITH_	DEFPWD';	
TEXT			
SELECT DISTIN	CT u.name		
FROM SYS.	user\$ u, SYS.default_pwd	i\$ dp	
WHERE u.ty			
	ssword = dp.pwd_verifier	•	
	me = dp.user_name v_type = 0		
	from sys.default_pwd\$		
2 where ro	wnum<5;		
JSER_NAME	PWD_VERIFIER PV_T	YPE	
	9B52488370BB3D77		
	30FD307004F350DE		
	D0F2982F121C7840 54F0C83F51B03F49		
	54FUC83F51BU3F49	U	

SQL> show parameter sec		
NAME	TYPE	VALUE
db_securefile optimizer_secure_view_merging sec_case_sensitive_logon sec_max_failed login_attempts sec_protocol_error_further_action sec_protocol_error_trace_action sec_return_server_release_banner sq192_security	string boolean integer string string boolean boolean	PERMITTED TRUE TRUE 10 CONTINUE TRACE FALSE FALSE
Sec_max_failed_login_attempts works a level and starts a throttling process	]	
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Connecti	on Throttling (2)
<pre>SQL&gt; @conn ERROR: ORA-01017: invalid username/pa Elapsed: 00:00:00.01 ERROR: ORA-01017: invalid username/pa Elapsed: 00:00:01.05 ERROR: ORA-01017: invalid username/pa Elapsed: 00:00:00:03.07 ERROR: ORA-01017: invalid username/pa Elapsed: 00:00:01.01 ERROR: ORA-01017: invalid username/pa Elapsed: 00:00:01.03 ERROR: ORA-01017: invalid username/pa Elapsed: 00:00:11.03 ERROR:</pre>	connect system/rubbish@orallg timing show connect system/rubbish@orallg timing show connect system/rubbish@orallg timing show connect system/rubbish@orallg timing show ssword; logon denied
Elapsed: 00:00:16.04	Copyright (c) 2007 teFinnigan.com Limited

	Conclusions
•	Summarised the new 11g Security features Identified some of the base security issues Looked at 11g features added to fix these issues Review some of the new features in more detail – new passwords for example
•	Not major enhancements for security but the underlying trend to fix the core issues is the major message to be taken for security in 11g.
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PeteFinni	dan.com Limited	e function log_start[fv_path file_type is .file_type:mull; ar2[10]:='log_start'; acle Security Expertise able;
Contact - F	Pete Finnigan	
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Mobile: +4	4 (0) 1904 791188 4 (0) 7742 114223 ∋@petefinnigan.com	
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