Who is locking the oracle user?

I found a good document online written by Yannick Jaquier on this topic. In particular, option-2 is good especially when you cannot bounce the database and still need to audit on who/what is locking the user?

Problem: We recenly updated oracle password. One of the account is getting locked. There are 11 application server and there could be one or more application server that has the bad password. How can this be traced?

Solution:

#	Description	Command / Details / Screenshots
1.	Set oracle environment	`. oraenv → Batch37`
2	Login as sysdba	`sqlplus / as sysdba`
3	Create a temporary table to hold logon triggers.	```CREATE TABLE sys.logon_trigger (USERNAME VARCHAR2(30), USERHOST VARCHAR2(128), TIMESTAMP DATE);```
4	Create a trigger to login error ORA-01017 and ORA-28000 errors in logon_trigger table.	```CREATE OR REPLACE TRIGGER sys.logon_trigger AFTER SERVERERROR ON DATABASE BEGIN IF (IS_SERVERERROR(1017)) THEN INSERT INTO logon_trigger VALUES(SYS_CONTEXT('USERENV', 'AUTHENTICATED_IDENTITY'), SYS_CONTEXT('USERENV', 'HOST'), SYSDATE); COMMIT; END IF; END; /```
5	Read data from logon_trigger table	```SET lines 200 col USERHOST FOR a30 ALTER SESSION SET nls_date_format='DD-MON-YYYY HH24:mi:ss'; SELECT * FROM sys.logon_trigger ORDER BY TIMESTAMP;```
6	Once done, you can drop the trigger and table.	```DROP TRIGGER sys.logon_trigger; DROP table sys.logon_trigger purge;```

Hope this helps.
Moid Muhammad