

Challenge 23

Login to the oracle database based on the following information

[Level: Advanced]

Username: user2

Password: password2

IP: 192.168.2.12

Port: 1521

SID: XE

- List the permissions/privileges of current user. (exploit system created trigger)
- Escalate privileges and become DBA

Login to the database as show below and list your current privileges:

Connection Wizard
Connection Profiles | Add Connection Profile

Profile Name: user1

Login: user2 [Edit]

Password: [Masked] [Edit]

Driver Class: oracle.jdbc.driver.OracleDriver [Edit]

Driver Location: ::\Program Files (x86)\RazorSQL\drivers\oracle\orai18n.jar [Edit] [Browse]

JDBC URL: jdbc:oracle:thin:@192.168.2.12:1521:XE [Edit]

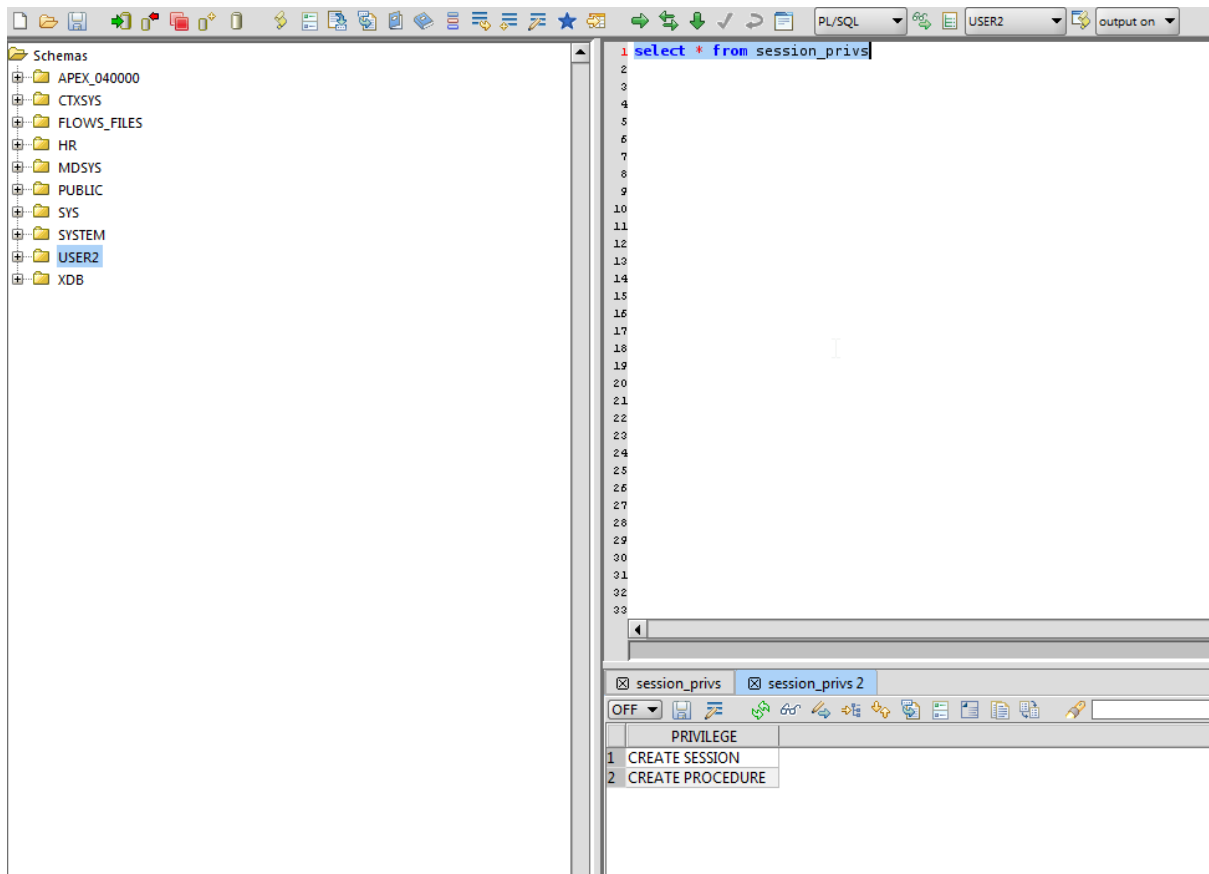
Auto Commit: On Off Smart Commit

SQL Restrictions None Read Only Read / Write Read / Write / Delete

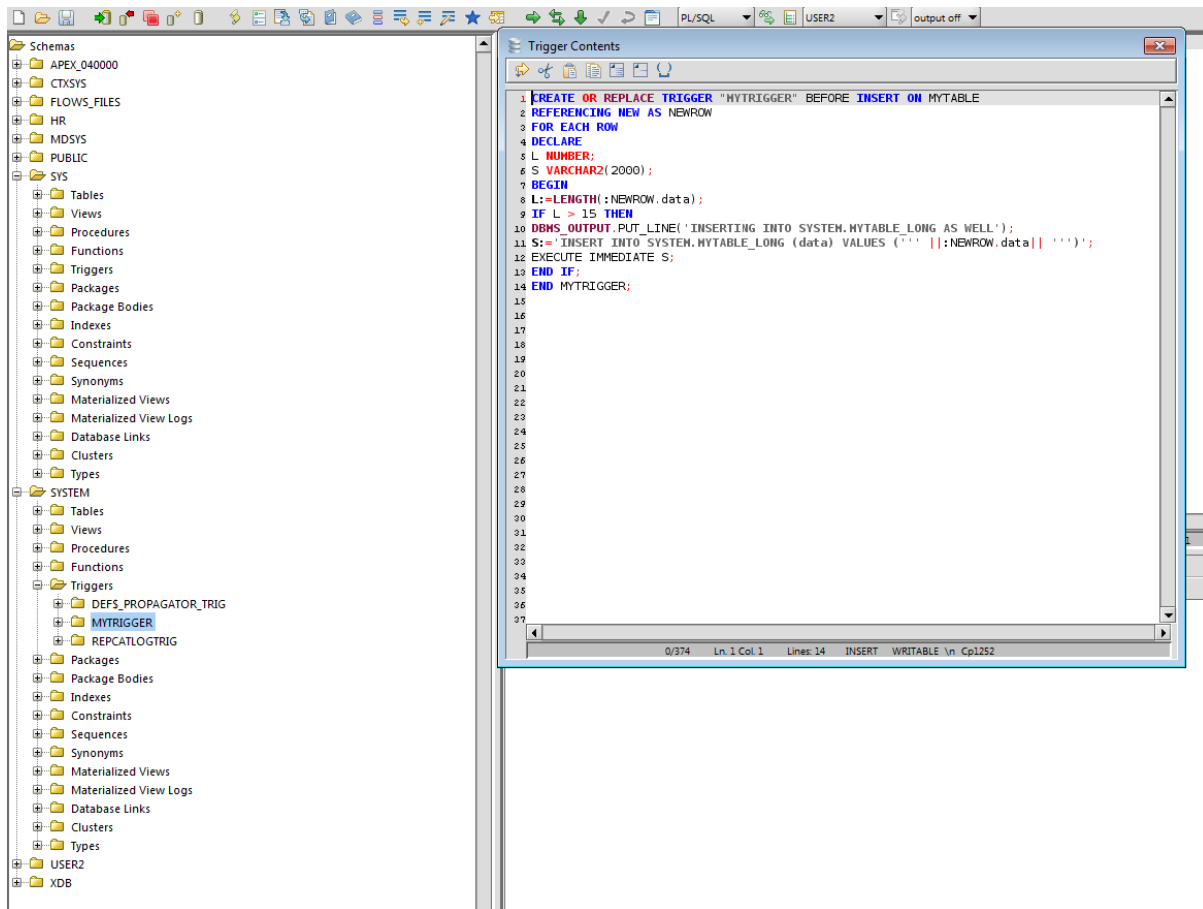
Transaction Isolation Default

Connect at Startup

[CONNECT] [ADD PROFILE] [COPY PROFILE] [DELETE PROFILE]



Note that when you expand the SYSTEM schema, you can see a trigger called MyTRIGGER. You can also view the source code of the trigger:



Note that line 11 in trigger is vulnerable to SQLI:

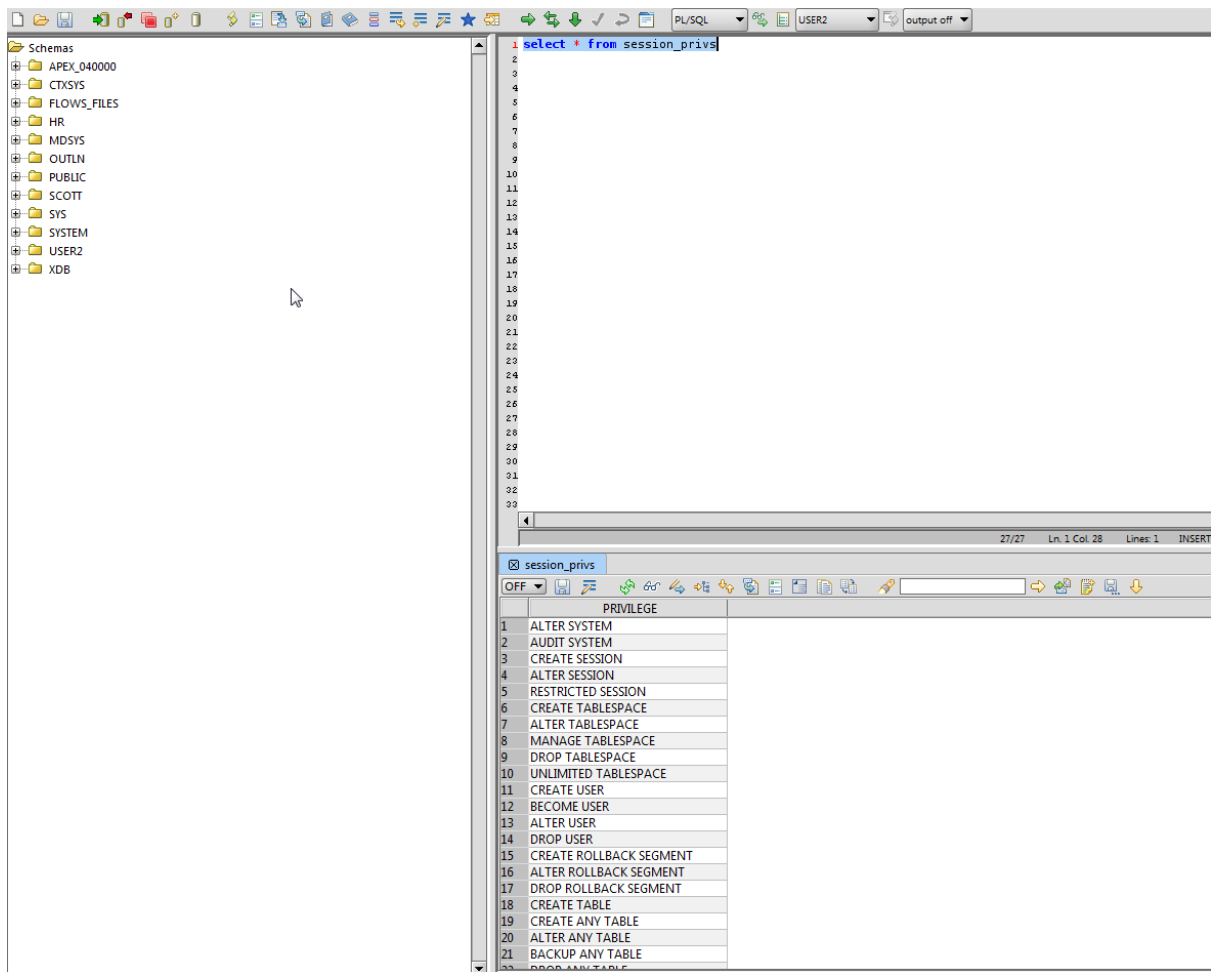
```
S:='INSERT INTO SYSTEM.MYTABLE_LONG (data) VALUES ('' || :NEWROW.data || '')';
```

The trigger gets invoked when an insert is made into table SYSTEM.MYTABLE and if the inserted row value is greater than 15 characters, the vulnerable line is executed with value of the inserted row in mytable.

Lets verify is we have insert permission on table mytable (it belongs to SYSTEM schema).

```
insert into SYSTEM.MYTABLE values('aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa')
```

No error's returned.



Please make sure you issue the following commands:

```
Drop function GETDBA;
```

And then

```
revoke dba from user2
```