

JIRA Oracle 설정

이 페이지는 JIRA Oracle 설정에 대한 가이드를 제공한다.

Oracle 11g R2

Oracle 12c

1. Oracle 접속

Oracle 접속을 한다.(sys 또는 sysdba)

2. 테이블 스페이스 생성

기존 Instance에서 신규 tablespace 의 user 생성한다.

```

관리자: Windows PowerShell
PS C:\Windows\system32> sqlplus / as sysdba

SQL*Plus: Release 11.2.0.1.0 Production on 월 1월 9 13:16:56 2017

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다음에 접속됨:
Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options

SQL> show user
USER은 "SYS"입니다
SQL> create tablespace user_tablespace
  2  datafile 'C:\app\admin\oradata\orcl\user_tablespace.dbf'
  3  size 1G
  4  autoextend on
  5  extent management local autoallocate;

테이블스페이스가 생성되었습니다.

SQL> create user jira identified by jira default tablespace user_tablespace quota unlimited on user_tablespace
  2  :

사용자가 생성되었습니다.
  
```

테이블 스페이스 생성 쿼리

```

create tablespace user_tablespace
datafile 'c:\xxx\xxx.dbf'
size 1G
autoextend on
extent management local autoallocate;
  
```



linux의 경우 datafile(xxx.dbf)의 default location이 알고 싶으면

```
SQL> Select * from dba_data_files ;
```

...

FILE_NAME

FILE_ID TABLESPACE_NAME BYTES BLOCKS STATUS

RELATIVE_FNO AUT MAXBYTES MAXBLOCKS INCREMENT_BY USER_BYTES USER_BLOCKS

ONLINE_ LOST_WR

/home/oracle/db/oradata/orcl/system01.dbf

1 SYSTEM 838860800 102400 AVAILABLE

1 YES 3.4360E+10 4194302 1280 837812224 102272

SYSTEM OFF

...

3. 사용자 생성

신규 유저 생성시 신규로 만든 테이블스페이스로 지정한다.

```
create user userID identified by userpassword default tablespace user_tablespace quota unlimited on
user_tablespace;
```

위의 명령어로 user를 만든 후 다음 명령어로 quota가 잘만들어졌는지 확인해본다.

```
select tablespace_name, username, bytes, max_bytes
from dba_ts_quotas
where tablespace_name = 'USER_TABLESPACE' and username = 'JIRA';
```

(no rows selected)

quota , insert table unlimited .

TABLE	USERNA	BYTES	MAX_BYTES
USERS	FOOBAR	0	10485760

1 row selected.

oracle 12c에서는 위의 명령어에서 다음과 같은 에러가 난다.

ERROR at line 1:
ORA-65096: invalid common user or role name

이를 방지하기 위해

```
ALTER SESSION SET "_ORACLE_SCRIPT" = TRUE;
```

를 먼저 해준다. 자세한 사항은 <https://wookoa.tistory.com/239> 참고

만약 위처럼 안되서 "quota unlimited on user_tablespace;" 와 같은 명령어 없이 유저를 생성하고 나면 문제없이 잘 설치되는 것처럼 보이지만 이후에

Jira 실제 Oracle DB 연동 시도 시, 웹페이지에 "Database is locked" 라는 로그 메시지와 함께 Test Connection 및 연동이 실패할 수 있다.

Sorry, we had some technical problems during your last operation.

↘ Request assistance

Copy the content below and send it to your Jira Administrator

Technical details

Log's referral number: **ed237695-a58b-450f-b155-e2685f443a71**

Cause

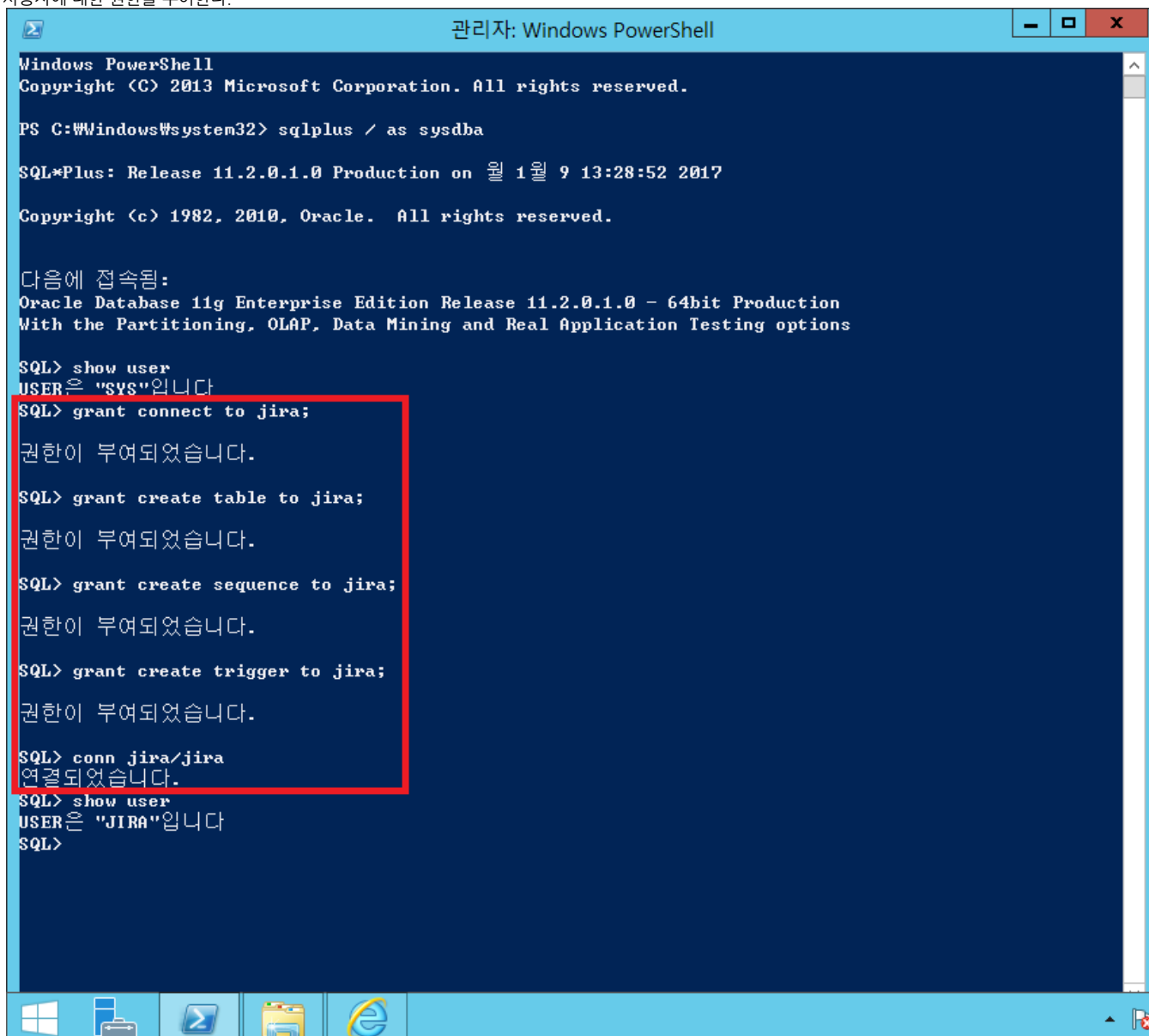
Referer URL: <http://10.1.13.250:8080/secure/admin/ViewIssueTypes.jspa>

java.lang.UnsupportedOperationException: Database is locked

```
java.lang.UnsupportedOperationException: Database is locked
    at com.atlassian.jira.health.checks.database.LockedDatabaseOfBizDelegator.getDelegatorInterface(LockedDatabaseOfBizDelegator.java:186) [classes/:?]
    at com.atlassian.jira.startup.DatabaseInitialImporter.dataAlreadyLoaded(DatabaseInitialImporter.java:39) [classes/:?]
    at com.atlassian.jira.web.action.setup.SetupDatabase.doDefault(SetupDatabase.java:144) [classes/:?]
    at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method) [?:1.8.0_181]
    at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62) [?:1.8.0_181]
    at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43) [?:1.8.0_181]
    at java.lang.reflect.Method.invoke(Method.java:498) [?:1.8.0_181]
    at webwork.util.InjectionUtils$DefaultInjectionImpl.invoke(InjectionUtils.java:70) [webwork-1.4-atlassian-30.jar:?]
    at webwork.util.InjectionUtils.invoke(InjectionUtils.java:56) [webwork-1.4-atlassian-30.jar:?]
    at webwork.action.ActionSupport.invokeCommand(ActionSupport.java:438) [webwork-1.4-atlassian-30.jar:?]
    at webwork.action.ActionSupport.execute(ActionSupport.java:157) [webwork-1.4-atlassian-30.jar:?]
    at com.atlassian.jira.action.JiraActionSupport.execute(JiraActionSupport.java:63) [jira-api-8.0.2.jar:?]
    at webwork.interceptor.DefaultInterceptorChain.proceed(DefaultInterceptorChain.java:39) [webwork-1.4-atlassian-30.jar:?]
    at webwork.interceptor.NestedInterceptorChain.proceed(NestedInterceptorChain.java:31) [webwork-1.4-atlassian-30.jar:?]
    at webwork.interceptor.ChainedInterceptor.intercept(ChainedInterceptor.java:16) [webwork-1.4-atlassian-30.jar:?]
    at webwork.interceptor.DefaultInterceptorChain.proceed(DefaultInterceptorChain.java:35) [webwork-1.4-atlassian-30.jar:?]
    at webwork.dispatcher.GenericDispatcher.executeAction(GenericDispatcher.java:225) [webwork-1.4-atlassian-30.jar:?]
    at webwork.dispatcher.GenericDispatcher.executeAction(GenericDispatcher.java:154) [webwork-1.4-atlassian-30.jar:?]
    at com.atlassian.jira.web.dispatcher.JiraWebWorkActionDispatcher.service(JiraWebWorkActionDispatcher.java:139) [classes/:?]
    at javax.servlet.http.HttpServlet.service(HttpServlet.java:742) [servlet-api.jar:?]
    at org.apache.catalina.core.ApplicationFilterChain.internalDoFilter(ApplicationFilterChain.java:231) [catalina.jar:8.5.35]
```

4. 사용자 권한 부여

사용자에 대한 권한을 부여한다.



```
Windows PowerShell
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PS C:\Windows\system32> sqlplus / as sysdba

SQL*Plus: Release 11.2.0.1.0 Production on 월 1월 9 13:28:52 2017

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다음에 접속됨:
Oracle Database 11g Enterprise Edition Release 11.2.0.1.0 - 64bit Production
With the Partitioning, OLAP, Data Mining and Real Application Testing options

SQL> show user
USER은 "SYS"입니다
SQL> grant connect to jira;
권한이 부여되었습니다.
SQL> grant create table to jira;
권한이 부여되었습니다.
SQL> grant create sequence to jira;
권한이 부여되었습니다.
SQL> grant create trigger to jira;
권한이 부여되었습니다.
SQL> conn jira/jira
연결되었습니다.
SQL> show user
USER은 "JIRA"입니다
SQL>
```

```
grant connect to user_name;
grant create table to user_name;
grant create sequence to user_name;
grant create trigger to user_name;
```