

Oracle Setup for Archivists' Toolkit
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- The archivist toolkit application is not setup to handle the way Oracle handles permissions from user tables and shares with grants to other users.
- When setup as described originally and running the program as atuser, the program could not find any tables because all tables are owned by atadmin.
- By performing a after logon trigger and setting the default schema for atuser to admin, this is accomplished without any additional coding.
- The user table is excluded from atuser permissions so that atadmin still controls who can access the application.

-- <http://archiviststoolkit.org/support/CreatingUserAccounts>

--Oracle:

-- 1) To create the administrative account (eg. ATadmin) the sql command is:

-- USER SQL

```
CREATE USER atadmin IDENTIFIED BY your_password DEFAULT TABLESPACE "ARCHIVIST_TOOLKIT" TEMPORARY TABLESPACE "TEMP";
```

-- QUOTAS

```
ALTER USER atadmin QUOTA UNLIMITED ON ARCHIVIST_TOOLKIT;
```

-- ROLES

```
GRANT "CONNECT" TO atadmin ;
```

-- SYSTEM PRIVILEGES

```
GRANT CREATE TRIGGER TO atadmin ;
```

```
GRANT CREATE SEQUENCE TO atadmin ;
```

```
GRANT CREATE TABLE TO atadmin ;
```

```
GRANT CREATE JOB TO atadmin ;
```

```
GRANT CREATE PROCEDURE TO atadmin ;
```

```
GRANT CREATE SYNONYM TO atadmin ;
```

```
GRANT CREATE VIEW TO atadmin ;
```

```
GRANT CREATE PUBLIC SYNONYM TO atadmin ;
```

```
GRANT CREATE SESSION TO atadmin ;
```

```
GRANT CREATE PUBLIC DATABASE LINK TO atadmin ;
```

```
GRANT CREATE DATABASE LINK TO atadmin ;
```

-- At this point the Oracle database can be initialized and the atadmin tables will be created.

-- <http://archiviststoolkit.org/support/InitializeDatabase>

-- Database Connection Information for initializing the database:

-- connection URL:

```
jdbc:oracle:thin:@host_name:port_number:service_name
```

-- To create the user account (eg. ATuser) the sql command is

-- USER SQL

```
CREATE USER atuser IDENTIFIED BY your_password DEFAULT TABLESPACE "ARCHIVIST_TOOLKIT" TEMPORARY TABLESPACE "TEMP";
```

-- QUOTAS

```
ALTER USER atuser QUOTA UNLIMITED ON ARCHIVIST_TOOLKIT;
```

```
-- ROLES
```

```
GRANT "CONNECT" TO atuser ;  
GRANT CREATE TRIGGER TO "ATUSER"  
grant alter session to "ATUSER";
```

```
-- SYSTEM PRIVILEGES
```

```
GRANT DELETE ON "ATADMIN"."ACCESSIONS" TO "ATUSER";  
GRANT INSERT ON "ATADMIN"."ACCESSIONS" TO "ATUSER";  
GRANT SELECT ON "ATADMIN"."ACCESSIONS" TO "ATUSER";  
GRANT UPDATE ON "ATADMIN"."ACCESSIONS" TO "ATUSER";  
GRANT DELETE ON "ATADMIN"."ACCESSIONSLOCATIONS" TO "ATUSER";  
GRANT INSERT ON "ATADMIN"."ACCESSIONSLOCATIONS" TO "ATUSER";  
GRANT SELECT ON "ATADMIN"."ACCESSIONSLOCATIONS" TO "ATUSER";  
GRANT UPDATE ON "ATADMIN"."ACCESSIONSLOCATIONS" TO "ATUSER";  
GRANT DELETE ON "ATADMIN"."ACCESSIONSRESOURCES" TO "ATUSER";  
GRANT INSERT ON "ATADMIN"."ACCESSIONSRESOURCES" TO "ATUSER";  
GRANT SELECT ON "ATADMIN"."ACCESSIONSRESOURCES" TO "ATUSER";  
GRANT UPDATE ON "ATADMIN"."ACCESSIONSRESOURCES" TO "ATUSER";  
GRANT DELETE ON "ATADMIN"."ARCHDESCPHYSICALDESCRIPTIONS" TO "ATUSER";  
GRANT INSERT ON "ATADMIN"."ARCHDESCPHYSICALDESCRIPTIONS" TO "ATUSER";  
GRANT SELECT ON "ATADMIN"."ARCHDESCPHYSICALDESCRIPTIONS" TO "ATUSER";  
GRANT UPDATE ON "ATADMIN"."ARCHDESCPHYSICALDESCRIPTIONS" TO "ATUSER";  
GRANT DELETE ON "ATADMIN"."ARCHDESCRIPTIONDATES" TO "ATUSER";  
GRANT INSERT ON "ATADMIN"."ARCHDESCRIPTIONDATES" TO "ATUSER";  
GRANT SELECT ON "ATADMIN"."ARCHDESCRIPTIONDATES" TO "ATUSER";  
GRANT UPDATE ON "ATADMIN"."ARCHDESCRIPTIONDATES" TO "ATUSER";  
GRANT DELETE ON "ATADMIN"."ARCHDESCRIPTIONINSTANCES" TO "ATUSER";  
GRANT INSERT ON "ATADMIN"."ARCHDESCRIPTIONINSTANCES" TO "ATUSER";  
GRANT SELECT ON "ATADMIN"."ARCHDESCRIPTIONINSTANCES" TO "ATUSER";  
GRANT UPDATE ON "ATADMIN"."ARCHDESCRIPTIONINSTANCES" TO "ATUSER";  
GRANT DELETE ON "ATADMIN"."ARCHDESCRIPTIONNAMES" TO "ATUSER";  
GRANT INSERT ON "ATADMIN"."ARCHDESCRIPTIONNAMES" TO "ATUSER";  
GRANT SELECT ON "ATADMIN"."ARCHDESCRIPTIONNAMES" TO "ATUSER";  
GRANT UPDATE ON "ATADMIN"."ARCHDESCRIPTIONNAMES" TO "ATUSER";  
GRANT DELETE ON "ATADMIN"."ARCHDESCRIPTIONREPEATINGDATA" TO "ATUSER";  
GRANT INSERT ON "ATADMIN"."ARCHDESCRIPTIONREPEATINGDATA" TO "ATUSER";  
GRANT SELECT ON "ATADMIN"."ARCHDESCRIPTIONREPEATINGDATA" TO "ATUSER";  
GRANT UPDATE ON "ATADMIN"."ARCHDESCRIPTIONREPEATINGDATA" TO "ATUSER";  
GRANT DELETE ON "ATADMIN"."ARCHDESCRIPTIONSUBJECTS" TO "ATUSER";  
GRANT INSERT ON "ATADMIN"."ARCHDESCRIPTIONSUBJECTS" TO "ATUSER";  
GRANT SELECT ON "ATADMIN"."ARCHDESCRIPTIONSUBJECTS" TO "ATUSER";  
GRANT UPDATE ON "ATADMIN"."ARCHDESCRIPTIONSUBJECTS" TO "ATUSER";  
GRANT DELETE ON "ATADMIN"."ASSESSMENTS" TO "ATUSER";  
GRANT INSERT ON "ATADMIN"."ASSESSMENTS" TO "ATUSER";  
GRANT SELECT ON "ATADMIN"."ASSESSMENTS" TO "ATUSER";  
GRANT UPDATE ON "ATADMIN"."ASSESSMENTS" TO "ATUSER";  
GRANT DELETE ON "ATADMIN"."ASSESSMENTSACCESSIONS" TO "ATUSER";  
GRANT INSERT ON "ATADMIN"."ASSESSMENTSACCESSIONS" TO "ATUSER";  
GRANT SELECT ON "ATADMIN"."ASSESSMENTSACCESSIONS" TO "ATUSER";  
GRANT UPDATE ON "ATADMIN"."ASSESSMENTSACCESSIONS" TO "ATUSER";
```

GRANT DELETE ON "ATADMIN"."ASSESSMENTSデジタルOBJECTS" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."ASSESSMENTSデジタルOBJECTS" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."ASSESSMENTSデジタルOBJECTS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."ASSESSMENTSデジタルOBJECTS" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."ASSESSMENTSRESOURCES" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."ASSESSMENTSRESOURCES" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."ASSESSMENTSRESOURCES" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."ASSESSMENTSRESOURCES" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."ATPLUGINDATA" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."ATPLUGINDATA" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."ATPLUGINDATA" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."ATPLUGINDATA" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."BIBITEMS" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."BIBITEMS" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."BIBITEMS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."BIBITEMS" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."CHRONOLOGYITEMS" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."CHRONOLOGYITEMS" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."CHRONOLOGYITEMS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."CHRONOLOGYITEMS" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."CONSTANTS" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."CONSTANTS" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."CONSTANTS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."CONSTANTS" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."DATABASEFIELDS" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."DATABASEFIELDS" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."DATABASEFIELDS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."DATABASEFIELDS" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."DATABASETABLES" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."DATABASETABLES" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."DATABASETABLES" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."DATABASETABLES" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."DEACCESSIONS" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."DEACCESSIONS" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."DEACCESSIONS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."DEACCESSIONS" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."DEFAULTVALUES" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."DEFAULTVALUES" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."DEFAULTVALUES" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."DEFAULTVALUES" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."DIGITALOBJECTS" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."DIGITALOBJECTS" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."DIGITALOBJECTS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."DIGITALOBJECTS" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."EVENTS" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."EVENTS" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."EVENTS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."EVENTS" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."FILEVERSIONS" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."FILEVERSIONS" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."FILEVERSIONS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."FILEVERSIONS" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."INDEXITEMS" TO "ATUSER";

GRANT INSERT ON "ATADMIN"."INDEXITEMS" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."INDEXITEMS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."INDEXITEMS" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."INLINETAGATTRIBUTES" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."INLINETAGATTRIBUTES" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."INLINETAGATTRIBUTES" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."INLINETAGATTRIBUTES" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."INLINETAGS" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."INLINETAGS" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."INLINETAGS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."INLINETAGS" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."LISTDEFINITIONITEMS" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."LISTDEFINITIONITEMS" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."LISTDEFINITIONITEMS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."LISTDEFINITIONITEMS" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."LISTORDEREDITEMS" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."LISTORDEREDITEMS" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."LISTORDEREDITEMS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."LISTORDEREDITEMS" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."LOCATIONSTABLE" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."LOCATIONSTABLE" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."LOCATIONSTABLE" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."LOCATIONSTABLE" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."LOOKUPLIST" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."LOOKUPLIST" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."LOOKUPLIST" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."LOOKUPLIST" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."LOOKUPLISTITEMS" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."LOOKUPLISTITEMS" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."LOOKUPLISTITEMS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."LOOKUPLISTITEMS" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."NAMES" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."NAMES" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."NAMES" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."NAMES" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."NONPREFERREDNAMES" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."NONPREFERREDNAMES" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."NONPREFERREDNAMES" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."NONPREFERREDNAMES" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."NOTESETCTYPES" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."NOTESETCTYPES" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."NOTESETCTYPES" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."NOTESETCTYPES" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."RDESCREEN" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."RDESCREEN" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."RDESCREEN" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."RDESCREEN" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."RDESCREENPANELITEMS" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."RDESCREENPANELITEMS" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."RDESCREENPANELITEMS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."RDESCREENPANELITEMS" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."RDESCREENPANELS" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."RDESCREENPANELS" TO "ATUSER";

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GRANT SELECT ON "ATADMIN"."RDESCREENPANELS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."RDESCREENPANELS" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."RECORDLOCKS" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."RECORDLOCKS" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."RECORDLOCKS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."RECORDLOCKS" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."REPOSITORIES" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."REPOSITORIES" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."REPOSITORIES" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."REPOSITORIES" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."REPOSITORYNOTESDEFAULTVALUES" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."REPOSITORYNOTESDEFAULTVALUES" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."REPOSITORYNOTESDEFAULTVALUES" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."REPOSITORYNOTESDEFAULTVALUES" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."REPOSITORYSTATISTICS" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."REPOSITORYSTATISTICS" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."REPOSITORYSTATISTICS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."REPOSITORYSTATISTICS" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."RESOURCES" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."RESOURCES" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."RESOURCES" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."RESOURCES" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."RESOURCESCOMPONENTS" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."RESOURCESCOMPONENTS" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."RESOURCESCOMPONENTS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."RESOURCESCOMPONENTS" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."SESSIONS" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."SESSIONS" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."SESSIONS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."SESSIONS" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."SIMPLEREPEATABLENOTES" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."SIMPLEREPEATABLENOTES" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."SIMPLEREPEATABLENOTES" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."SIMPLEREPEATABLENOTES" TO "ATUSER";
GRANT DELETE ON "ATADMIN"."SUBJECTS" TO "ATUSER";
GRANT INSERT ON "ATADMIN"."SUBJECTS" TO "ATUSER";
GRANT SELECT ON "ATADMIN"."SUBJECTS" TO "ATUSER";
GRANT UPDATE ON "ATADMIN"."SUBJECTS" TO "ATUSER";
--
-- Only enable if you want atuser to update atadmin.users table
--
--GRANT DELETE ON "ATADMIN"."USERS" TO "ATUSER";
--GRANT INSERT ON "ATADMIN"."USERS" TO "ATUSER";
--GRANT SELECT ON "ATADMIN"."USERS" TO "ATUSER";
-- GRANT UPDATE ON "ATADMIN"."USERS" TO "ATUSER";
--REVOKE DELETE ON "ATADMIN"."USERS" FROM "ATUSER";
--REVOKE INSERT ON "ATADMIN"."USERS" FROM "ATUSER";
--REVOKE UPDATE ON "ATADMIN"."USERS" FROM "ATUSER";

-- Queries to generate required privledges:
-- Note the "user" table is excluded
SELECT 'GRANT DELETE ON "' || u.table_name || "' TO ATUSER;'
FROM user_tables u

```

```
WHERE NOT EXISTS (SELECT '1'
    FROM ALL_TAB_PRIVS A
    WHERE a.grantee = 'ATUSER'
    AND A.PRIVILEGE = 'INSERT'
    AND A.TABLE_NAME = U.TABLE_NAME)
AND a.table_name != 'USERS';
```

```
SELECT 'GRANT INSERT ON "' || u.table_name || "' TO ATUSER;'
FROM user_tables u
WHERE NOT EXISTS (SELECT '1'
    FROM ALL_TAB_PRIVS A
    WHERE a.grantee = 'ATUSER'
    AND A.PRIVILEGE = 'INSERT'
    AND A.TABLE_NAME = U.TABLE_NAME)
AND a.table_name != 'USERS';
```

```
SELECT 'GRANT SELECT ON "' || u.table_name || "' TO ATUSER;'
FROM user_tables u
WHERE NOT EXISTS (SELECT '1'
    FROM ALL_TAB_PRIVS A
    WHERE a.grantee = 'ATUSER'
    AND A.PRIVILEGE = 'INSERT'
    AND A.TABLE_NAME = U.TABLE_NAME)
AND a.table_name != 'USERS';
```

```
SELECT 'GRANT UPDATE ON "' || u.table_name || "' TO ATUSER;'
FROM user_tables u
WHERE NOT EXISTS (SELECT '1'
    FROM ALL_TAB_PRIVS A
    WHERE a.grantee = 'ATUSER'
    AND A.PRIVILEGE = 'INSERT'
    AND A.TABLE_NAME = U.TABLE_NAME)
AND a.table_name != 'USERS';
```

-- Sequences

```
grant select on "ATADMIN"."HIBERNATE_SEQUENCE" TO "ATUSER";
grant select on "ATADMIN"."INSTANCE_SEQUENCE" TO "ATUSER";
grant select on "ATADMIN"."NAME_SEQUENCE" TO "ATUSER";
grant select on "ATADMIN"."REPEATING_DATA_SEQUENCE" TO "ATUSER";
grant select on "ATADMIN"."STRUCTURED_DATA_SEQUENCE" TO "ATUSER";
```

-- Queries to generate required privileges:

```
SELECT 'GRANT SELECT ON "' || U.SEQUENCE_NAME || "' TO ATUSER;'
FROM USER_SEQUENCES U;
```

-- This section is needed to allow atuser to access atadmin.tables within the application. Otherwise Archvist Toolkit fails when trying to find tables, because it is looking for atuser.table_name not atadmin.table_name

-- as sys grant this privilege to allow atuser to seamlessly access atadmin objects.

```
grant ADMINISTER DATABASE TRIGGER to "ATUSER";
```

```
-- custom trigger -- RUN AS ATUSER not sys
create or replace
TRIGGER afterlogon_set_current_schema
AFTER LOGON on DATABASE
BEGIN
-- Must have ADMINISTER DATABASE TRIGGER priv
-- grant ADMINISTER DATABASE TRIGGER to "ATUSER";
-- revoke after done
-- REVOKE ADMINISTER DATABASE TRIGGER FROM "ATUSER"
IF ( USER='ATUSER') THEN
    EXECUTE IMMEDIATE 'alter session set current_schema=atadmin';
END IF;
END;

-- as sys remove this privilege after trigger is created to remove unnecessary risks.
REVOKE ADMINISTER DATABASE TRIGGER FROM "ATUSER";
```