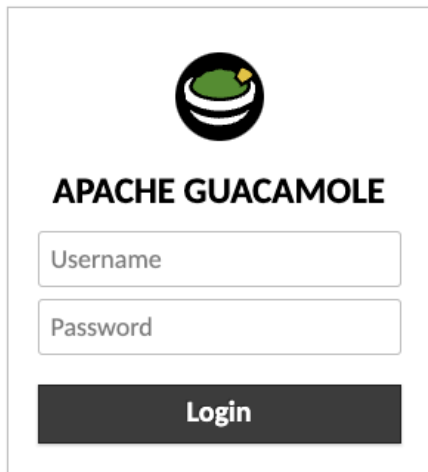


The purpose of this lab is to orient the participant with their virtual working environment and introduce them to changesets and changelogs concepts.

Open the workshop VM by going to the URL on your browser that you were assigned at the beginning of the workshop by one of the presenters. For example, <http://wshopptest.liquibase.org>

You should get a login page that looks like this:



The image shows the Apache Guacamole login interface. At the top is the Apache Guacamole logo, which is a black circle containing a green chili pepper. Below the logo, the text "APACHE GUACAMOLE" is displayed in a bold, black, sans-serif font. Underneath the text are two input fields: the first is labeled "Username" and the second is labeled "Password". Both fields are white with a thin gray border. Below these fields is a dark gray rectangular button with the word "Login" in white, bold, sans-serif font.


Username - workshopuser

Password - Liquibase1

Once logged in you should see a Windows desktop that looks like this after logging in:



Now you can:

1. Open Visual Studio Code(VSC) from the icon  in the taskbar at the bottom of the screen. The changelogs that were covered in the demo of the lab, will open in 2 tabs - a master changelog, workshopChangelog.xml, and example child changelog, Release-1.0.0.sql. Open VSC from the task bar on the bottom. When it opens there should be two tabs. 1) parent changelog workshopChangelog.xml and 2) Release-1.0.0.sql.
2. Execute the 'workshop.bat' script via the shortcut on the desktop, by double clicking on it and that will open a CMD session that is open in the C:\Users\Administrator\git\vigilant-umbrella
3. execute 'liquibase status' and review output

→ Confirm running liquibase Pro version 4.29.2 is running
→ Five changesets are returned as available for application

4. In your CMD session type '`code Release-1.1.0.sql`'. This should open this file in Visual Studio Code and it should look like this:

```
--liquibase formatted sql
--changeset jenn:20240402-create-T_student-table labels:jira-219,r1
--comment: create T_student table
CREATE TABLE T_student(
  student_fname VARCHAR(50),
  student_lname VARCHAR(50),
  state CHAR(2),
  notes VARCHAR (355)
);
--rollback DROP TABLE T_student;

--changeset jenn:20240402-insert-a-row-student1 labels:jira-219,r1 context:dev
--comment: Add Viktor record into student table
INSERT INTO T_student (student_fname, student_lname, state, testdml_rep,notes)
VALUES ('Viktor', 'Hargreeves', 'NY', 'Random comment for notes');

--changeset jenn:20240402-delete-a-row-student1 labels:jira-220,r1 context:dev
--comment: remove Jenn from student table
DELETE FROM T_student
--rollback INSERT INTO T_student (student_fname, student_lname, state, testdml_rep,notes)
--rollback VALUES ('Viktor', 'Hargreeves', 'NY', 'Random comment for notes');
```

5. We will now add this file to the master changelog workshopChangelog.xml file. Switch to the tab for 'workshopChangelog.xml'. Uncomment line #4 from the workshopChangelog.xml file by placing cursor on this line and hitting Ctrl + /
6. Save the change to the file (Ctrl + S)
7. Rerun 'liquibase status' from the command line and see the 4 additional changesets for a total of 9
8. Execute 'liquibase checks show' in the CMS session and the top of the output returned should look like this:

```
C:\Users\Administrator\git\vigilant-umbrella>liquibase checks show
Jul 16, 2024 6:19:03 PM liquibase.license
INFO: Successfully installed license from Base64 string starting with 'ABwwGgQUJq' (Environment variable 'LIQUIBASE_LICENSE_KEY').

#####
##  ##
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#####
Get documentation at docs.liquibase.com
Get certified courses at learn.liquibase.com
#####
Starting Liquibase at 18:19:05 (version 4.28.0 #2272 built at 2024-05-16 19:00+0000)
liquibase Version: 4.28.0
liquibase Pro 4.28.0 by Liquibase licensed to Liquibase_Sales until Mon Feb 18 04:59:59 GMT 2025

Generating report on current configuration of checks using settings in: liquibase.checks-settings.conf

WARNING: Additional checks have been added to 'liquibase.checks-settings.conf' and are disabled. To auto-enable new checks on upgrades, set '--auto-enable-new-checks=true'. Learn more at https://docs.liquibase.com/quality-checks

+-----+-----+-----+-----+-----+-----+
| Short Name | Scope | Status | Severity | Customization | Description |
+-----+-----+-----+-----+-----+-----+
| SqlGrantWarn | changelog | enabled | 0 | <None> | This check warns a user when SQL contains 'GRANT' statements so that they can ensure that the privilege being granted won't lead to security issues. |
+-----+-----+-----+-----+-----+-----+
```

.....

Review the output and come back to the workshop session with any questions.

END OF LAB