Provider Tutorial Gr-resQ tool + OSCM

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Description:

This tutorial will guide you on the process of managing a transaction (experiment) using the Gr-reQ tool and the OSCM platform. This tutorial is from the provider perspective.

A provider is the person who runs a transaction or experiment in a CVD furnace. The transaction is created by a customer and shared with the provider. All results coming from the experiment will be attached to the transaction, so the customer could use them for further analysis.

Workflow:

1. Create an OSCM account.
2. Provide CDV facility access to the customer.
3. Manage a transaction (experiment).
4. Attach results to a completed transaction.

Steps:

1. Create an OSCM account:

   There are two ways of creating an OSCM account: a) from the official OSCM website (https://oscm-il.mechse.illinois.edu/) or b) using the Gr-resQ tool.

   a) From OSCM:
   - Open your Chrome browser and go to https://oscm-il.mechse.illinois.edu/
   - Click on **Register** button.
   - Fill in all required information. The only field that you do not need to fill out is the **"User Accounts"** field.
   - To verify your new user account, access your email mailbox (the one that you provided when registering).
   - Find the email sent by OSCM in your mailbox. Click on the provided link. Then, you are all set.

Figure 1: User registration from OSCM website

b) From Gr-resQ tool:
- Open the Gr-resQ tool.
- Click on **OSCM** tab. Then click on **Register** button.
- Fill in all required information. Then, click on **Submit** button.

Figure 2: User registration from Gr-resQ tool

- To verify your new user account, access your email mailbox (the one that you provided when registering).
- Find the email sent by OSCM in your mailbox. Click on the provided link. Then, you are all set.

2. Provide CDV facility access to the customer.

- Open your Chrome browser and go to https://oscm-il.mechse.illinois.edu/
- Log in with your OSCM credentials.
- In the **MY RESOURCES** tab, find your facility. Click on **details**.
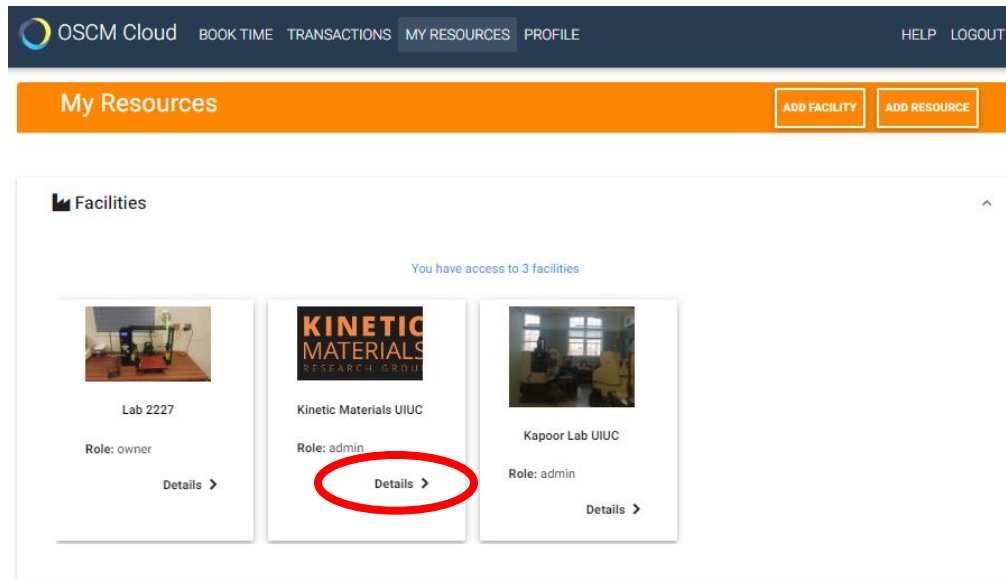

Figure 3: Find facility

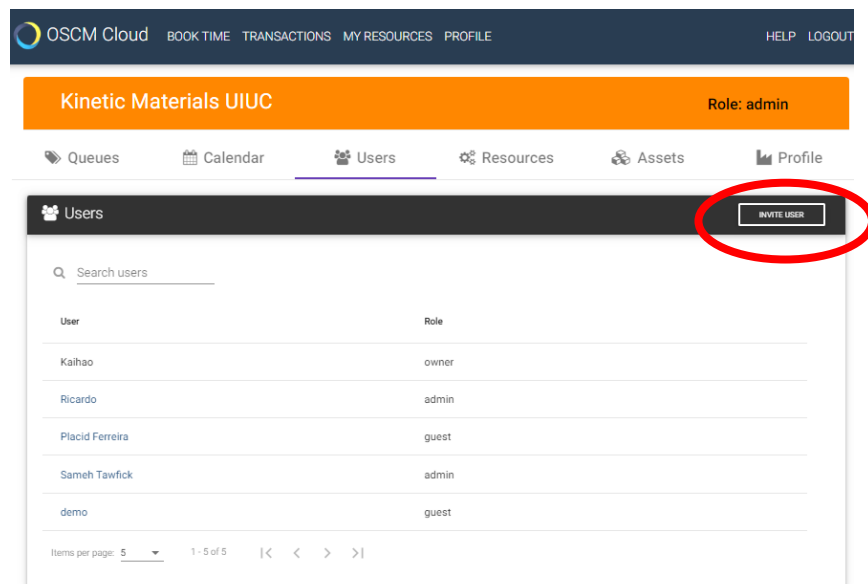- Click on **Users** tab, and then click on **Invite Users** button.

Figure 4: Users Tab

- Write down the username of the customer in the **Username** field. Select the **Guest** role in the **select role** dropdown. Finally, click on **Invite User** button.

Figure 5: Complete customer invitation

3. Manage a transaction (experiment):

- Open your Chrome browser and go to https://oscm-il.mechse.illinois.edu/
- Log in with your OSCM credentials.
- In the **MY RESOURCES** tab, find your facility. Click on **details**.
- Click on the queue that you want manage. Then, all transactions are organized by status. The possible status for a transaction are: requested, accepted, in progress, completed, declined or cancelled.
- Click on any transaction for more details.
- To change the status of a transaction click on the status button of your desired. Example: if you want to approve a transaction, click on **Approve** button.

Figure 6: Manage transaction (Accept transaction)

- If you want to decline a transaction, click on **decline** button. Then, select the reason from the listed options. If there is not an option that satisfies the reason of declining the transaction, click other and then provide more details.

Figure 7: Decline a transaction

- If you want to download the recipe file, click on **Transaction Files** tab. Then, click on **download** button. Save the file in any directory of your local computer.

Figure 8: Manage transaction (Download file)

4. Attach results to a completed transaction:

- If you want to attach any file after you completed the experiment, click on **File Upload** tab. Then click on **Choose Files** button. Browse and select the files in your local computer. Then, click on **Upload** button for each file.

Figure 9: Attach files to the transaction