Robot Assembly Exporting

Estimated time to completion: **5 minutes**

8.5   Step 3: Get your Onshape API keys

- The `Onshape-to-robot` Python module needs your API access keys to access your Onshape models.
- Get the Onshape API keys here: https://dev-portal.onshape.com/keys (https://dev-portal.onshape.com/keys).
- Press the `New Key` button:

- Select all the checkboxes:

API keys

Create new API key

Permissions

☑ Application can read your profile information

☑ Application can read your documents

☑ Application can write to your documents

☑ Application can delete your documents and workspaces

☑ Application can request purchases on your behalf

☑ Application can share and unshare documents on your behalf

Create API key

- It will give you this time and **ONLY** this time the:
    - access key
    - private key
- Save them in a safe place by copy and paste.
- Create a setup script for setting up these keys:

▶ Execute in WebShell 1

```
In [ ]:
cd ~/ros2_ws
touch keys.sh
chmod +x keys.sh
```

📄 keys.sh

```
In [ ]:   // Obtained at https://dev-portal.onshape.com/keys
          export ONSHAPE_API=https://cad.onshape.com
          export ONSHAPE_ACCESS_KEY=Your_Access_Key
          export ONSHAPE_SECRET_KEY=Your_Secret_Key
```

▶ **Execute in WebShell 1**

- Check that it is sourcing correctly.
- You should get the values you specified in the `keys.sh`.

```
In [ ]:   cd ~/ros2_ws
          source keys.sh
          echo $ONSHAPE_API
          echo $ONSHAPE_ACCESS_KEY
          echo $ONSHAPE_SECRET_KEY
```

▶ **Output in WebShell 1**

```
In [ ]:   https://cad.onshape.com
          Your_Access_Key
          Your_Secret_Key
```

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