

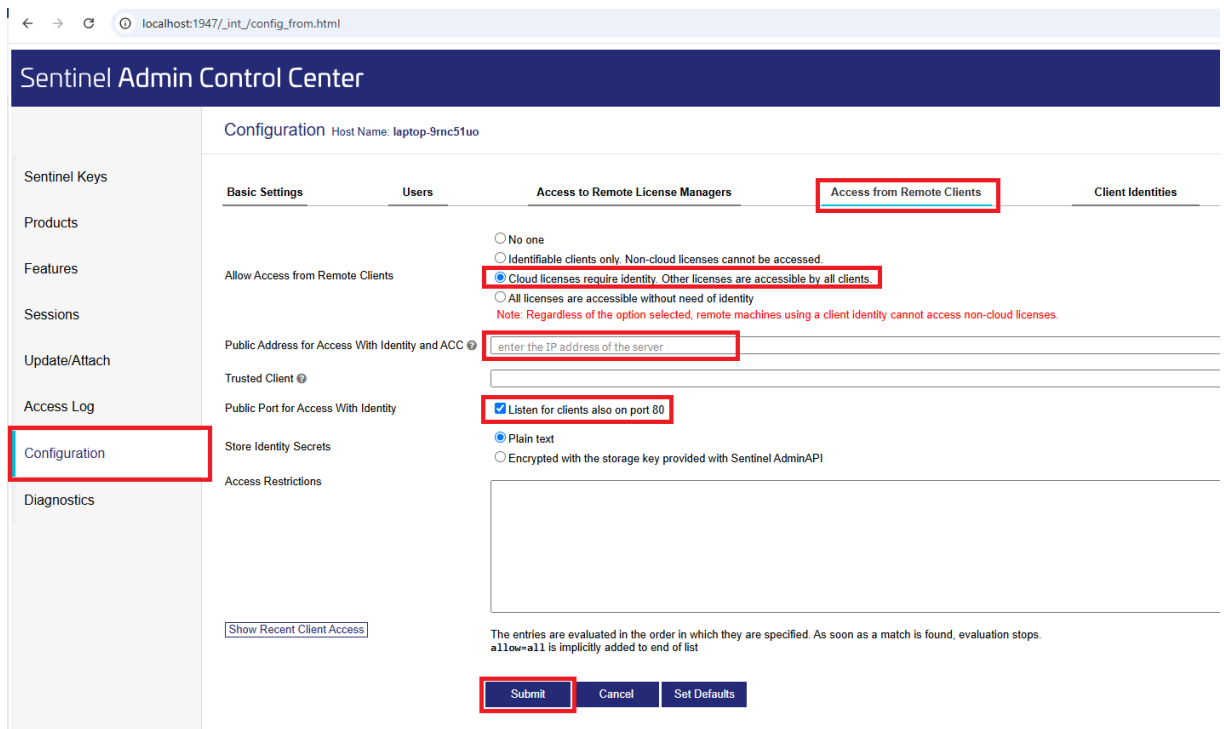
Grant only specific users access to a specific QUADDOA® license key

In some cases, it is required that only specific users are granted access to a specific QUADDOA® license. This is particularly important if multiple QUADDOA® license keys are installed on the same company license server.

A) Generating a client identity on the license server.

On the license server machine do following steps:

1. Open the **Sentinel Admin Control Center** (ACC) by typing in the browser <http://localhost:1947/>
2. Navigate to the **Configuration Tab** and click on **Access from Remote Clients**. Activate the checkboxes as in Figure 1. In the field “Public Address for Access With Identity and ACC” enter the IP address of the server, on that the QUADDOA® network license is installed. Click on **Submit**.



The screenshot shows the Sentinel Admin Control Center interface. The left sidebar has 'Configuration' highlighted. The main content area is titled 'Configuration' with 'Host Name: laptop-9rnc51uo'. There are five tabs: 'Basic Settings', 'Users', 'Access to Remote License Managers', 'Access from Remote Clients' (which is selected and highlighted with a red box), and 'Client Identities'. Under the 'Access from Remote Clients' tab, the following settings are visible:

- Allow Access from Remote Clients:** Three radio button options:
 - No one
 - Identifiable clients only. Non-cloud licenses cannot be accessed.
 - Cloud licenses require identity. Other licenses are accessible by all clients. (This option is highlighted with a red box.)
 - All licenses are accessible without need of identity
 A note below reads: "Note: Regardless of the option selected, remote machines using a client identity cannot access non-cloud licenses."
- Public Address for Access With Identity and ACC:** A text input field containing "Enter the IP address of the server" (highlighted with a red box).
- Trusted Client:** An empty text input field.
- Public Port for Access With Identity:** A checkbox labeled "Listen for clients also on port 80" which is checked (highlighted with a red box).
- Store Identity Secrets:** Two radio button options:
 - Plain text
 - Encrypted with the storage key provided with Sentinel AdminAPI
- Access Restrictions:** An empty text area.

At the bottom, there is a "Show Recent Client Access" link and three buttons: "Submit" (highlighted with a red box), "Cancel", and "Set Defaults". A small note at the bottom states: "The entries are evaluated in the order in which they are specified. As soon as a match is found, evaluation stops. allow-all is implicitly added to end of list."

Figure 1: Configuration Access From Remote Clients

3. To generate a new client identity, navigate to the **Client Identities Tab**. There click on **Add Client Identity** to generate a new client identity.

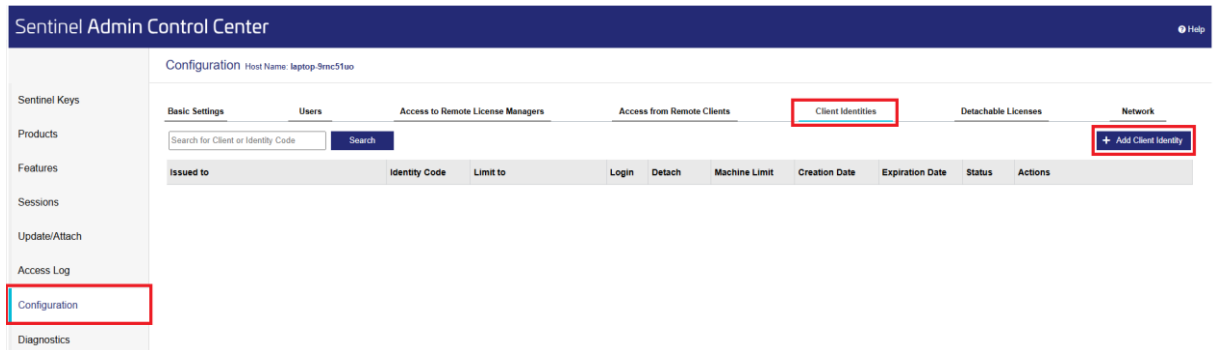


Figure 2: Sentinel Admin Control Center (ACC) Client Identities Tab

4. In the **Client Identity Window**, it is required to specify the client identity.
 - a) **Issued to:** Add a specific name e.g. "User 1"
 - b) **Identity String:** This string is a unique string for the specific client identity "User 1". Copy and store that string, since you need to send this string later to the end-user.
 - c) Activate the **Allow Remote Login Access** Checkbox
 - d) **Limit to:** Specify the License Key IDs of one or more QUADDOA® licenses installed on the license server machine you want to grant access to "User 1". A remote machine with the identity string can only access licenses from those protection keys. To see the License Key IDs, switch to the Sentinel Keys Tab in the ACC.
 - e) **Maximum Number of Auto-registered Machines:** Select the number of different machines that can register with the identity string. If the number is set for example to 2, "User 1" can register with same identity string on 2 different machines (e.g. for a machine working at company and for a machine working at home).
 - f) **Expiration Date:** Set to Never Expires or set a specific date if the client identity should expire on a specific date.

g) Click on **Save**

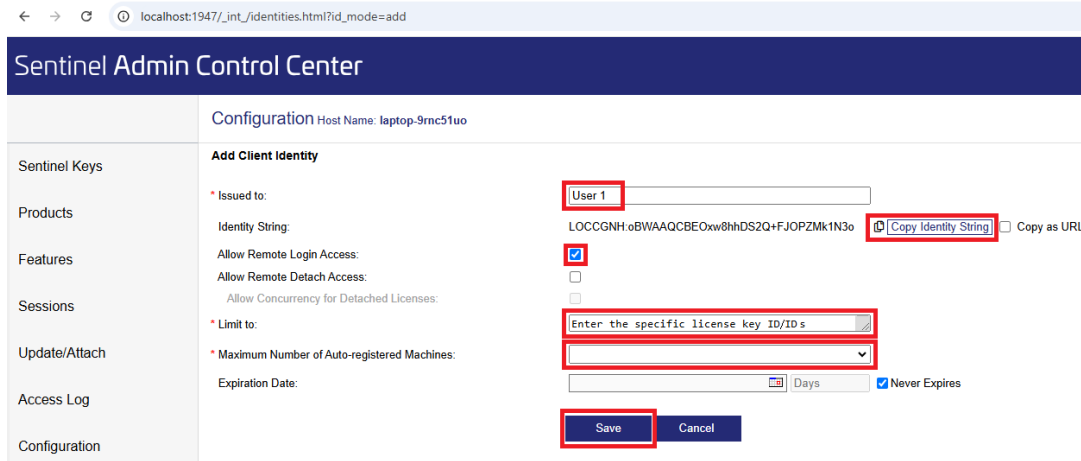


Figure 3: Add Client Identity

B) On the end-user client machine do following steps:

5. Open the Sentinel Admin Control Center using the address in your web browser <http://localhost:1947/>
6. Switch to **Configuration** and go to **the Access to Remote License Managers** Tab.
7. Check the **Allow Access to Remote Licenses** checkbox
8. Insert the **identity string that was generated in step 4 b)**

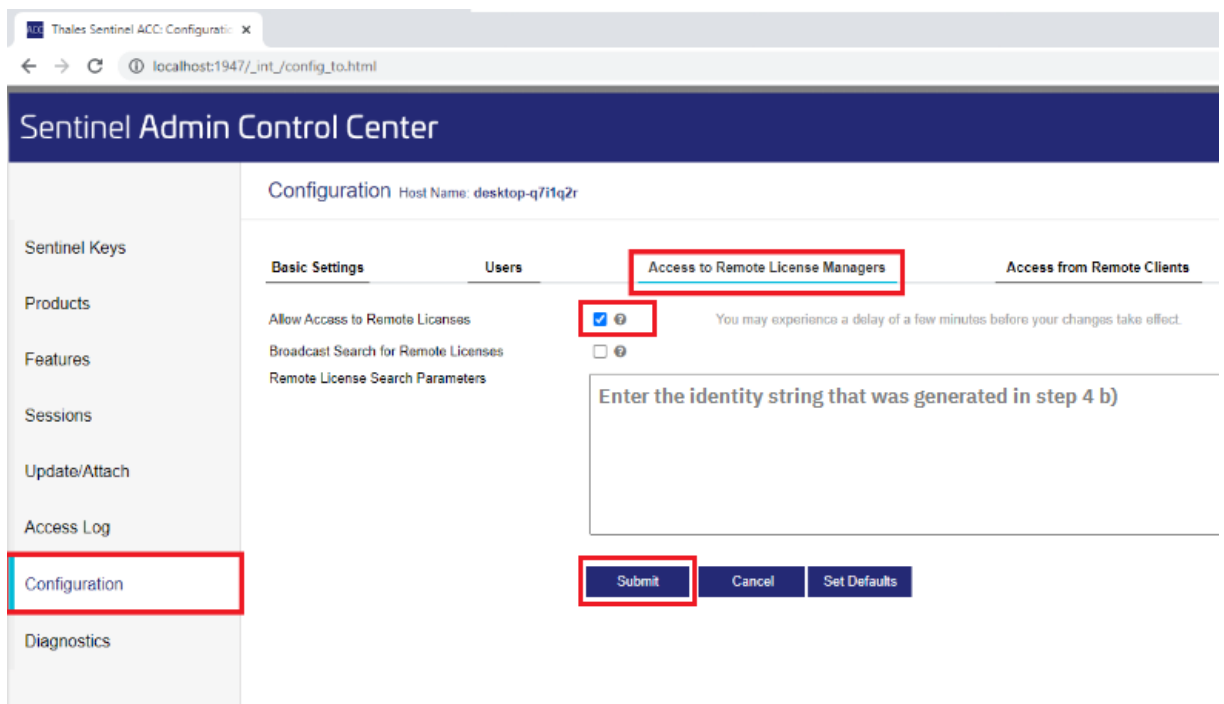


Figure 4: Access to Remote License Managers

9. Click on **Submit**
10. Afterwards the client end-user should have access to the specific license Key ID of QUADDOA® Optical CAD specified for the identity string.