

# How to Register a Device with a Smart Account (Cloud Connect)

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## Introduction

This article describes the process of registering a device with a Smart account via Cloud Connect.

## Prerequisites

### Requirements

Before you start, ensure that you have the following:

- [Active Cisco.com account](#)
- Smart account user, or Smart account administrator, or Virtual account user, or Virtual account administrator role (To request access to a Smart account or Virtual account, refer to [How to Request Access to an Existing Smart Account](#).)
- Access to the device

### Components Used

The information in this document was created from Catalyst 9300 with IOS version 16.12.05b in a specific lab environment. If your network is live, ensure that you understand the potential impact of any command.

## Registering a Device with a Smart Account (Cloud Connect)

### Step 1:

Go to [Cisco Software Central](#) and log in with your Cisco.com account.



# Cisco Software Central

Access everything you need to activate and manage your Cisco Smart Licenses.

## Download and manage

### Smart Software Manager

Track and manage your licenses. Convert traditional licenses to Smart Licenses.

[Manage licenses >](#)

### Download and Upgrade

Download new software or updates to your current software.

[Access downloads >](#)

### Traditional Licenses

Generate and manage PAK-based and other device licenses, including demo licenses.

[Access LRP >](#)

### Manage Smart Account

Update your profile information and manage users.

### EA Workspace

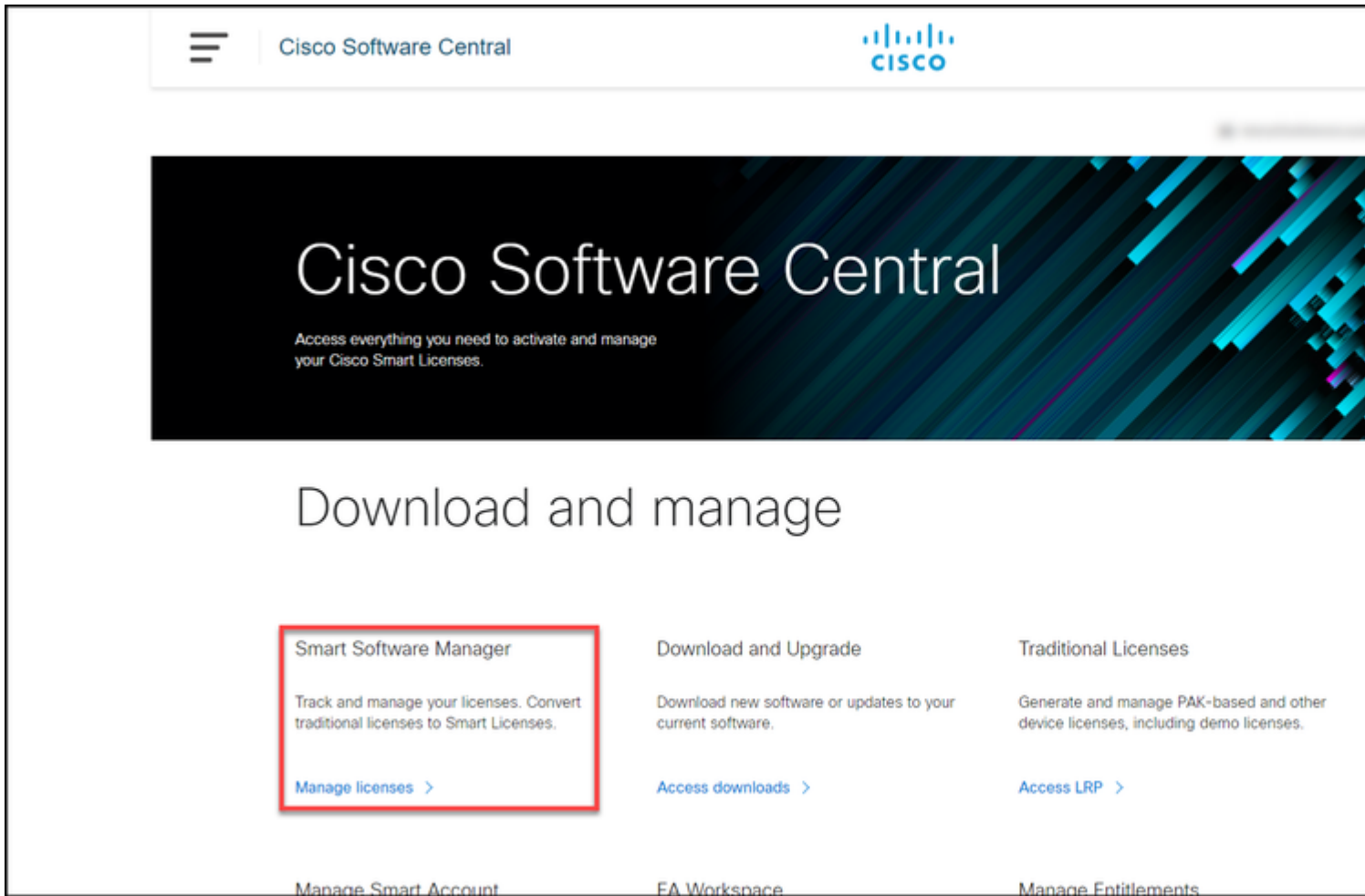
Generate and manage licenses purchased through a Cisco Enterprise Agreement.

### Manage Entitlements

eDelivery, version upgrade, and more management functionality is now available in our new portal.

## Step 2:

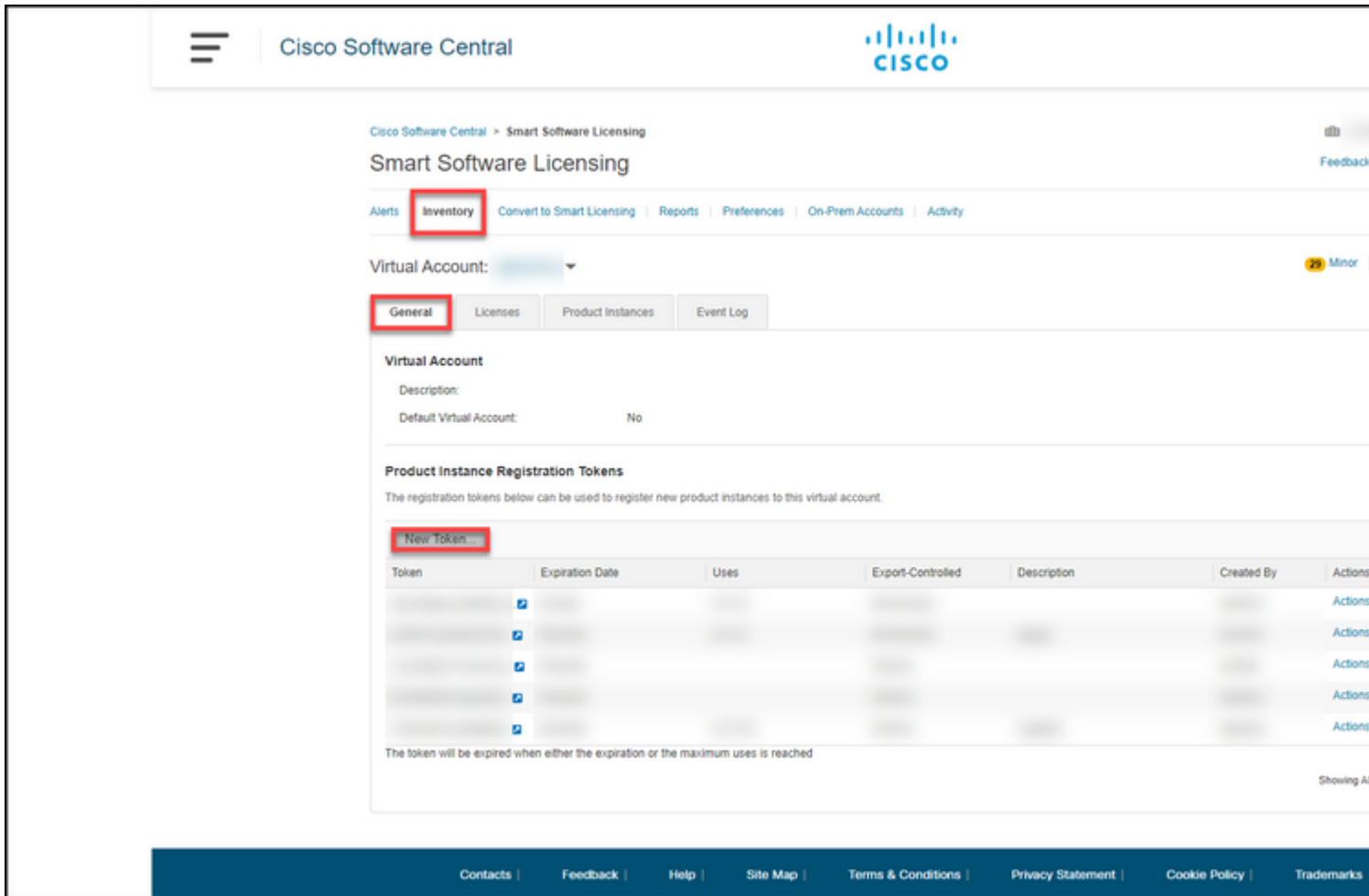
In the **Smart Software Manager** section, click **Manage licenses**.



### Step 3:

On the **Inventory** tab, select your Virtual account, and then on the **General** tab click the **New Token** button.

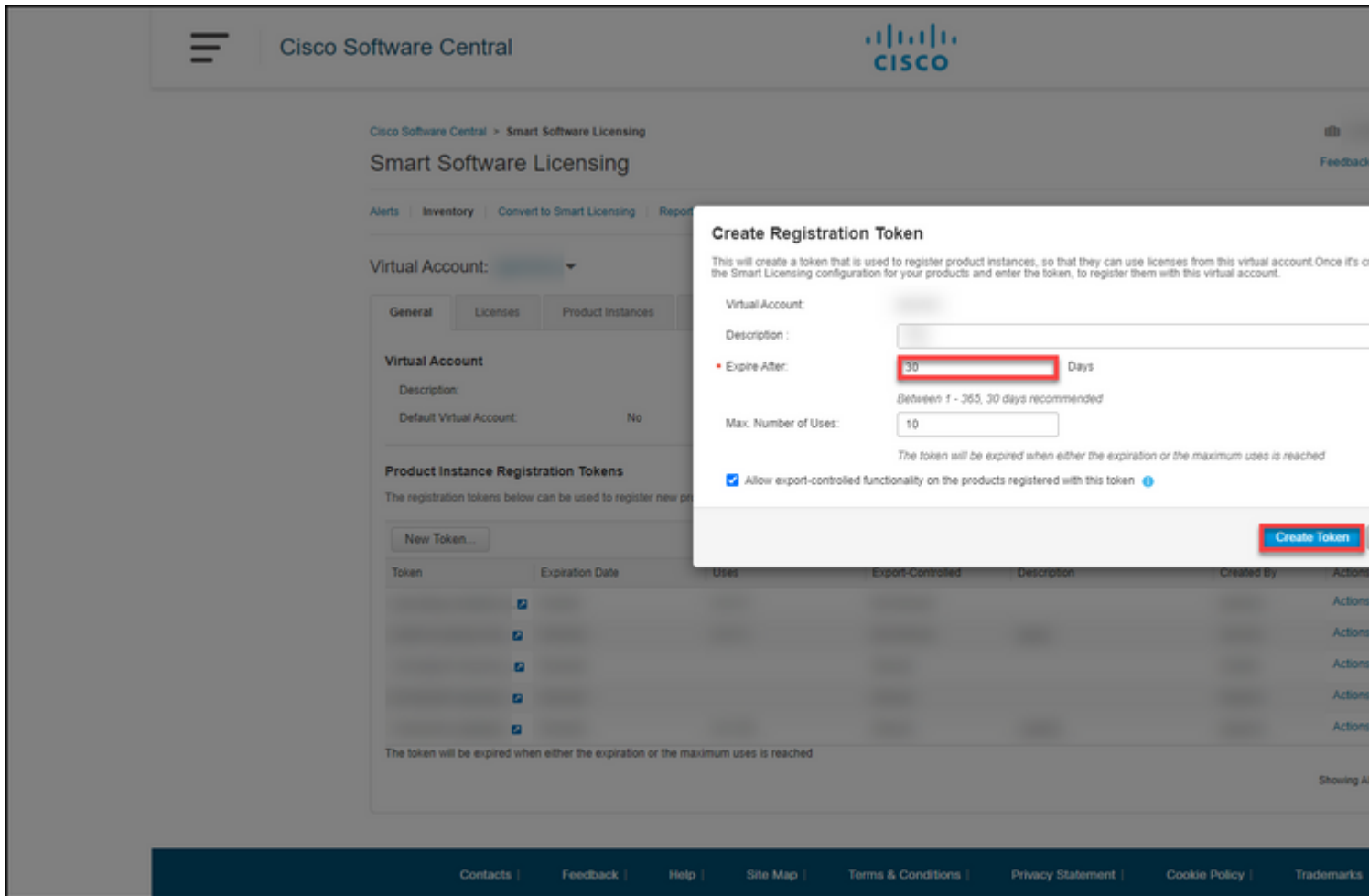
**Step result:** The system displays the **Create Registration Token** dialog box.



#### Step 4:

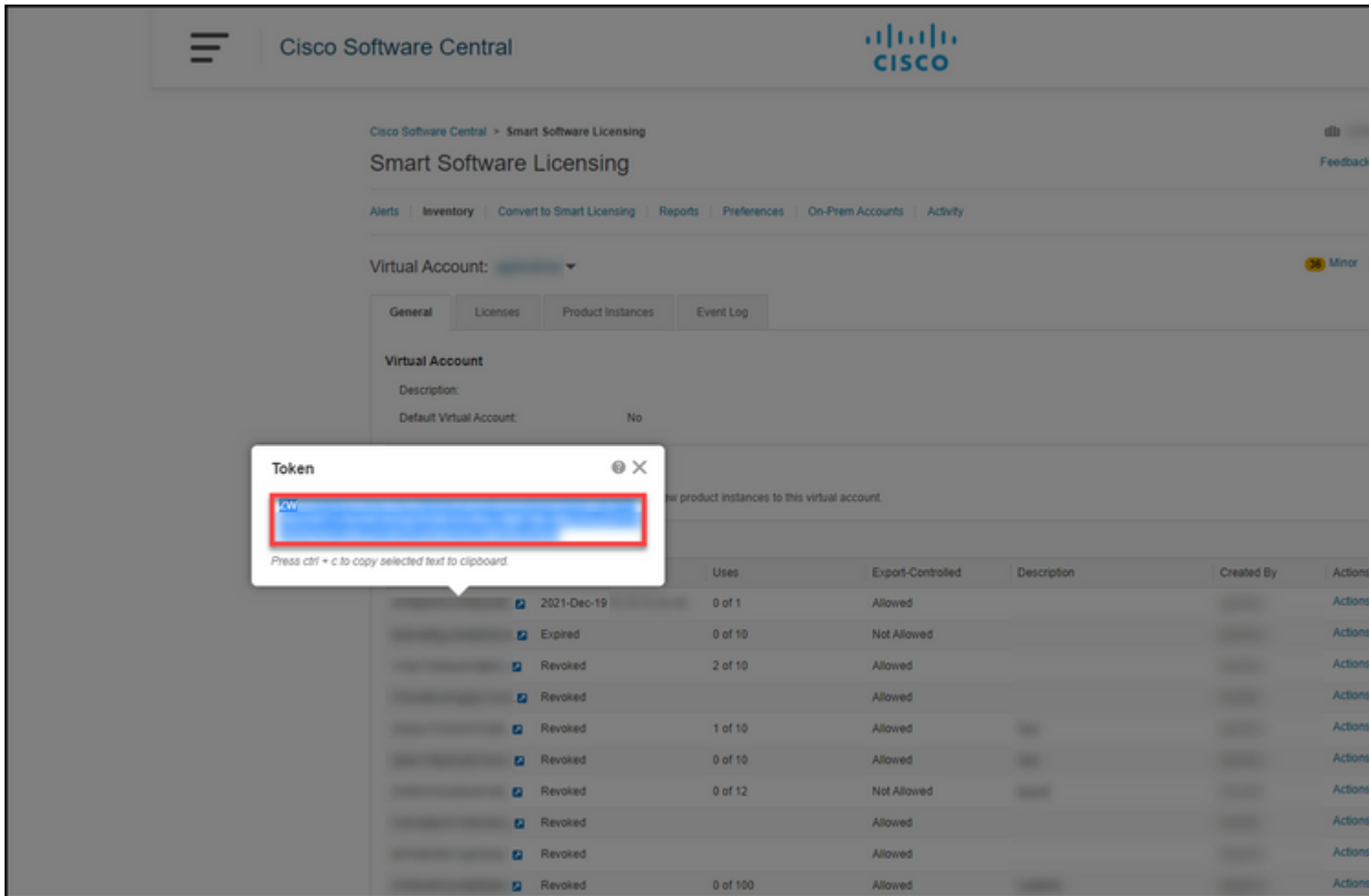
In the **Create Registration Token** dialog box, in the **Expire After** field, enter the amount of days after which the registration token expires. Click **Create Token**.

**Step result:** The system displays a notification message which confirms that you successfully created a token for your Virtual account.



### Step 5:

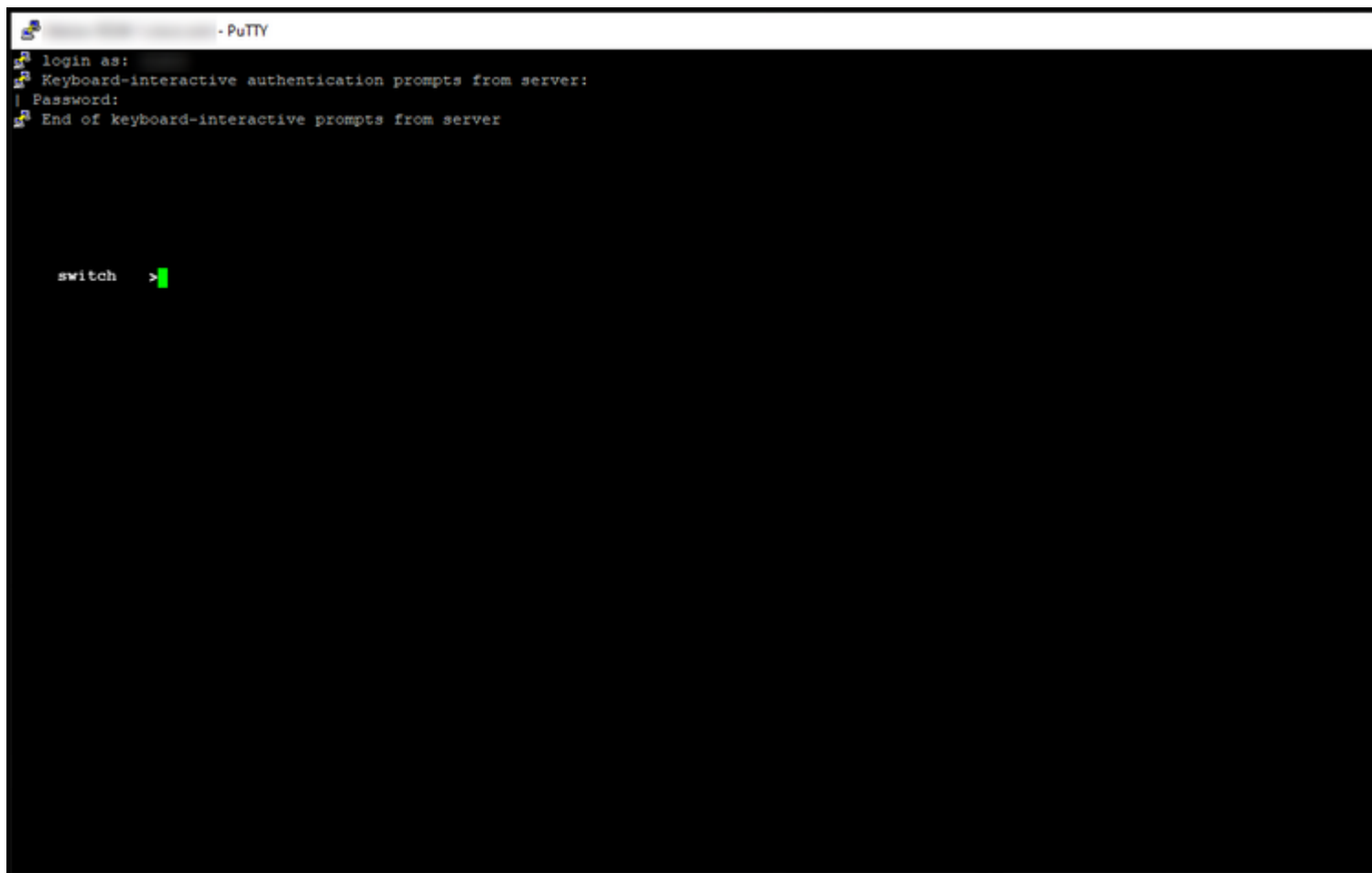
On the **General** tab, in the **Product Instance Registration Token** table, locate the token that you want to manage. Left-click the North East arrow icon next to the token. The system displays the **Token** dialog box. Press **Ctrl + C** to copy the selected text to clipboard, and then close the dialog box.



### Step 6:

Log in to the internetwork operating system (IOS) of the device with the login and password by using one of the clients or console.

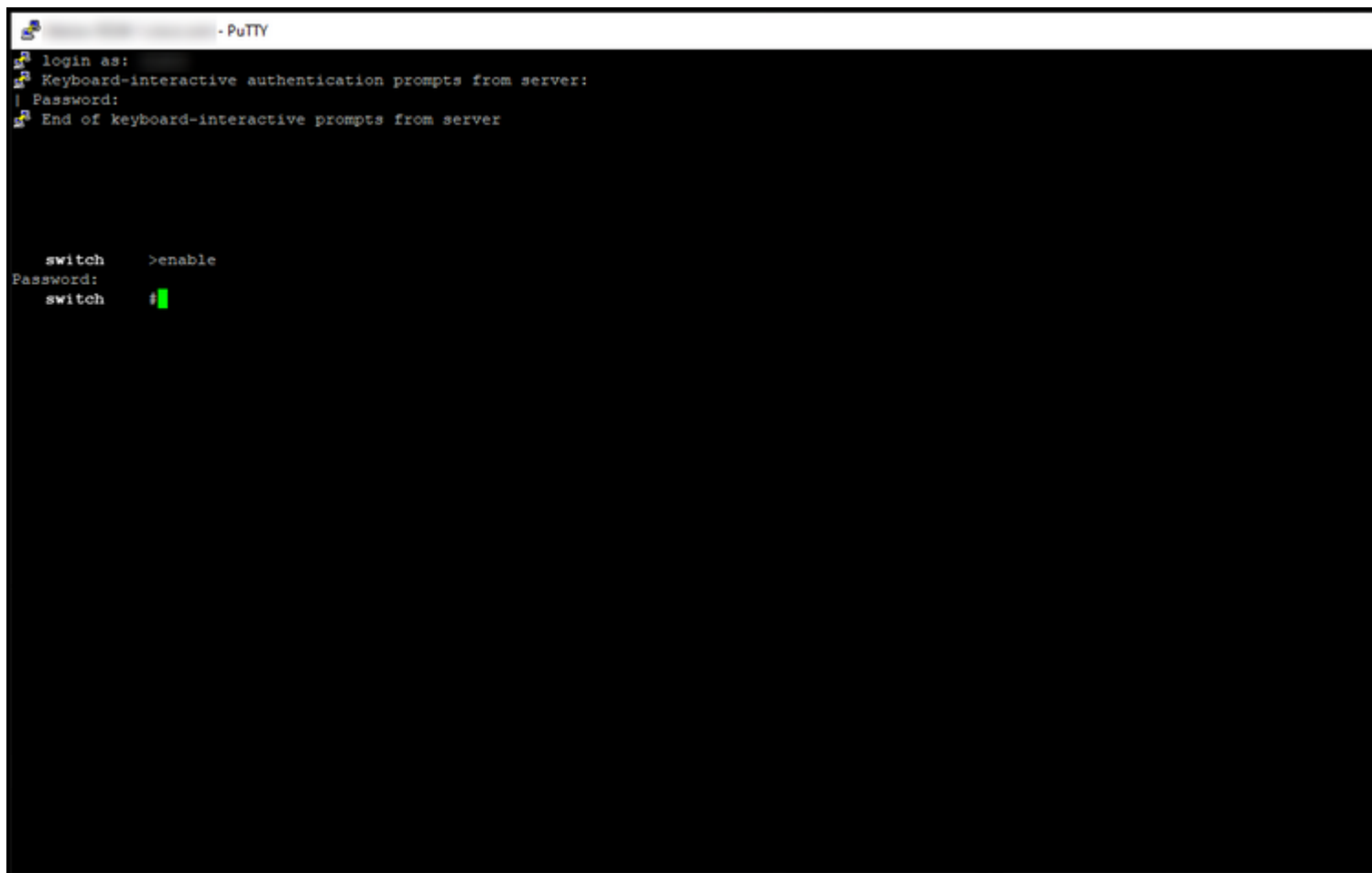
**Step result:** You enter the user EXEC mode of the IOS.



### Step 7:

In the user EXEC mode, enter the **enable** command, and then type the password to access the privileged EXEC mode.

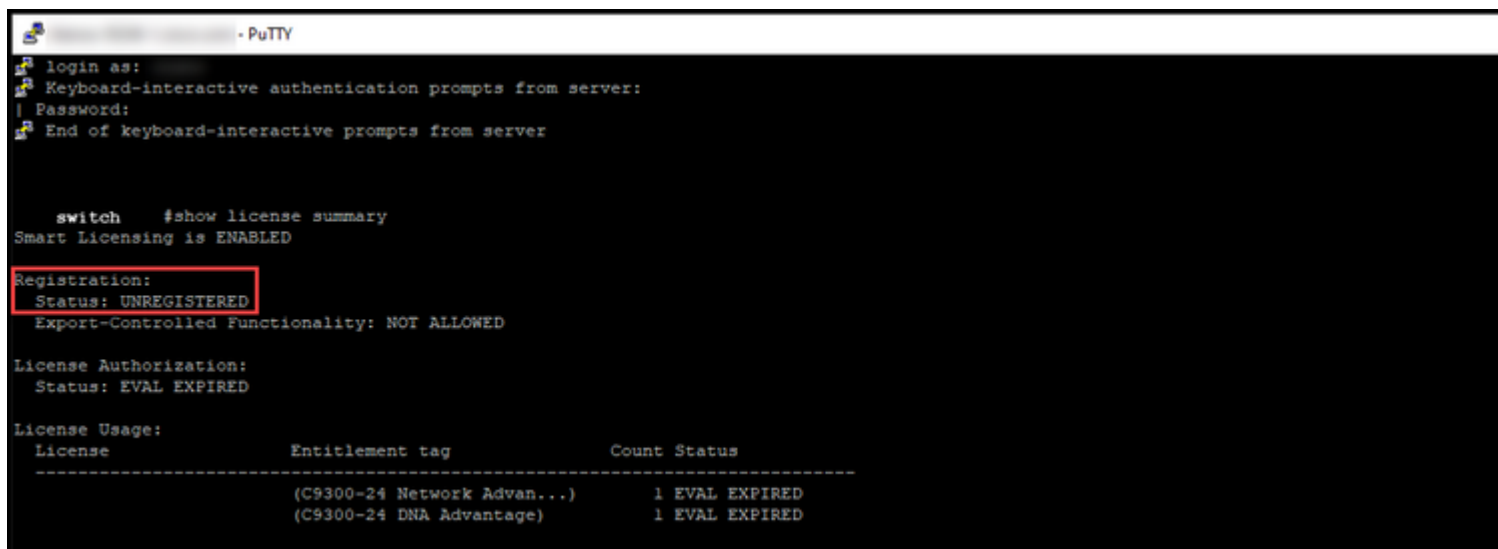
**Step result:** You enter the privileged EXEC mode.



### Step 8:

In the privileged EXEC mode, enter the **show license summary** command.

**Step result:** The system displays the registration status as *unregistered*.



### Step 9:

Still in the privileged EXEC mode, enter the **license smart register idtoken {token that you copied to clipboard in [Step 5](#)}** command.



**Step result:** The system initiates the registration process.



The screenshot shows a PuTTY terminal window with a black background and white text. The title bar at the top reads '- PuTTY'. The terminal output shows a login sequence: 'login as:', 'Keyboard-interactive authentication prompts from server:', 'Password:', and 'End of keyboard-interactive prompts from server'. Below this, a command is entered: 'switch # license smart register idtoken'. The system responds with a multi-line message: 'Registration process is in progress. Use the 'show license status' command to check the progress and result'. The prompt 'switch #' is followed by a green cursor.

```
- PuTTY
login as:
Keyboard-interactive authentication prompts from server:
Password:
End of keyboard-interactive prompts from server

switch # license smart register idtoken
Registration process is in progress. Use the 'show license status' command to check the progress and result
switch #
```

#### Step 10:

In the privileged EXEC mode, enter the **show license summary** command.

**Step result:** The system now displays the registration status as *registered*.

```

login as:
Keyboard-interactive authentication prompts from server:
Password:
End of Keyboard-interactive prompts from server

switch #show license summary
Smart Licensing is ENABLED

Registration:
Status: UNREGISTERED
Export-Controlled Functionality: NOT ALLOWED

License Authorization:
Status: EVAL EXPIRED

License Usage:
License      Entitlement tag      Count Status
-----
(C9300-24 Network Advan...) 1 EVAL EXPIRED
(C9300-24 DNA Advantage) 1 EVAL EXPIRED

switch #
Registration process is in progress. Use the 'show license status' command to check the progress and result
switch #show license status
Smart Licensing is ENABLED

Utility:
Status: DISABLED

Data Privacy:
Sending Hostname: yes
Callhome hostname privacy: DISABLED
Smart Licensing hostname privacy: DISABLED
Version privacy: DISABLED

Transport:
Type: Callhome

Registration:
Status: REGISTERED
Smart Account:
Virtual Account:
Export-Controlled Functionality: ALLOWED
Initial Registration: SUCCEEDED on
Last Renewal Attempt: None
Next Renewal Attempt:
Registration Expires:

License Authorization:
Status: OUT OF COMPLIANCE on
Last Communication Attempt: SUCCEEDED on
Next Communication Attempt:
Communication Deadline:

Export Authorization Key:
Features Authorized:
<none>

switch #

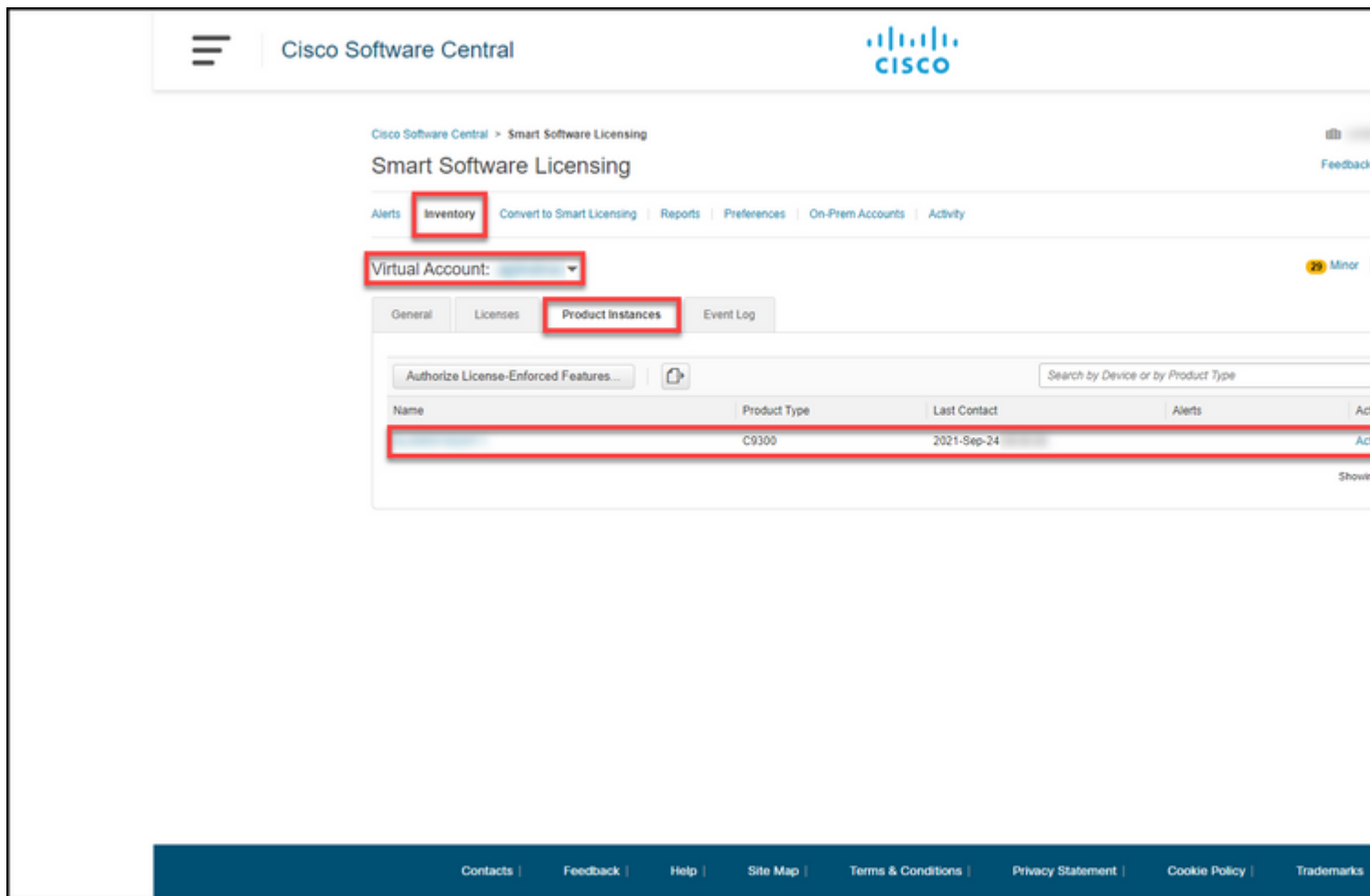
```

## Verify

Use this section to confirm that you successfully registered your device with a Smart account.

**Verification Step:** On the **Inventory** tab, select your Virtual account, click **Product Instances**, search by device or product type, and then press **Enter**.

**Step result:** The system displays the product instance of the device you registered.



## Troubleshooting

If you experience an issue during the process of registering your device with a Smart account, open a case in [Support Case Manager \(SCM\)](#).

## Related Information

[How to Remove a Product Instance \(Cloud Connect\)](#)