

Connecting the Dots: Smart Account and Smart License Learning Series

An Introduction to Cisco Smart Software Manager On-Prem

In this session, we will cover:

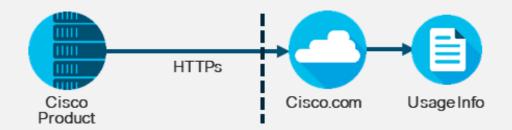
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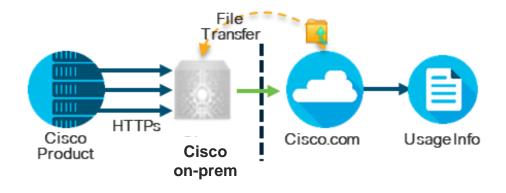


Deploying Smart License Enabled Products

1. Direct cloud access (Default)

Cisco product sends usage information directly **over the internet or through a HTTP Proxy Server**. No additional components are needed.



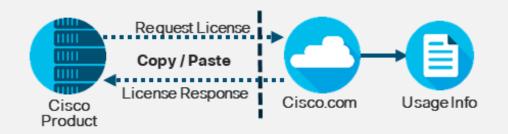


2. Access Through An On-premise License Management

Cisco products send usage information to a **locally installed onprem**. Periodically, exchange information automatically in connected environments or manually in disconnected environments.

3. Full Offline Access – License Reservation

Use copy/paste information between product and Cisco.com to manually check in and out Licenses. Functionally equivalent to current node locking, but with Smart License tracking.



What is Cisco Smart Software Manager (SSM) On-prem?



A Cisco Smart Software Manager On-prem is...

A component of Cisco Smart Licensing and works in conjunction with the cloud-based Cisco Smart Software Manager (SSM), to intelligently manage the customer or partner's product licenses providing near real time visibility and reporting of the cisco licenses they purchase and consume.

A Cisco Smart Software Manager On-prem is ideal for...

Customers who have strict security requirements and do not want their products to communicate with the central licensing database on Smart Software Manager over a direct Internet connection. most often this is used by financial institutions, utilities, service providers & government organizations.

How does Cisco SSM On-prem Work?

1

Install/Register to Cisco SSM

Self-Register/Report

Synchronize Local

Database

Install Smart Software
 Manager On-prem &
 register it to Cisco SSM

 Devices and software products self-register and report license consumption Choose to periodically synchronize local database to the Cisco SSM to ensure up to date files







Cisco SSM On-prem Benefits

On-prem Benefits

Smart Licensing Benefits

Trusted Security

Secure on-premises single source of truth of license consumption

Real-time Entitlement



Near real-time license entitlement based on synchronization schedules with backend install base

Utilization Visibility



Complete view of software, services, and devices in easy-to-use portal.

Increased Control



Flexible licensing pooling enable licenses to be reused across devices and the organization

Unlocked

Cost Reduction



Elimination of the node-locking of licenses to devices, simplifies the RMA process



Save time and money through efficient license usage

Enhanced Edition – Deployment Model Overview













Scales up to 10,000 product instances, 500K devices and 500 accounts



Provides online or offline connectivity



Similar User Interface to Cisco SSM



Enables faster code drop and feature parity at Cisco SSM



On-prem Enhanced Edition Portals: Licensing Portal v. Admin Portal

Licensing Portal



Similar functionality to software.cisco.com



Users can manage their local accounts, users, product instances, devices and licenses



Users can create new on-prem accounts, request access to on-prem accounts and manage on-prem accounts and local virtual accounts

Administration Portal



Enables internal administrative functions including user control, account management, registration, synchronization, and much more



Supports additional functionality including external authentication, syslog and proxy support



Restricted to only authorized users

Licensing and Administration Portal Roles



Licensing Portal Roles

Similar to CSSM Smart Account and Virtual Account roles but at the local level within the on-prem.

Local Account Admins

Local Account Users

Local VA Admins

Local VA Users



Administration Portal Roles

System Users

Have read-only permission on the Admin portal and have role based access control in the licensing portal

System Operators

Have full admin access to all the local accounts, can perform on-prem registration/ synchronization, & can not change system configurations



System Admins

Have all of the abilities as the System Operator plus they can approve and delete local accounts and complete all system configurations



Deployment Modes – Connected v. Disconnected



Connected

- Mode is used when there is <u>direct connectivity</u> to cisco.com from the on-prem
- License consumption and entitlement can be synchronized with Cisco SSM on-demand or automatically via scheduling

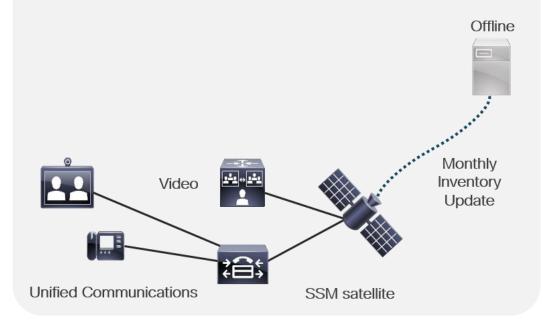
Standard model for Enhanced Edition, easiest to deploy



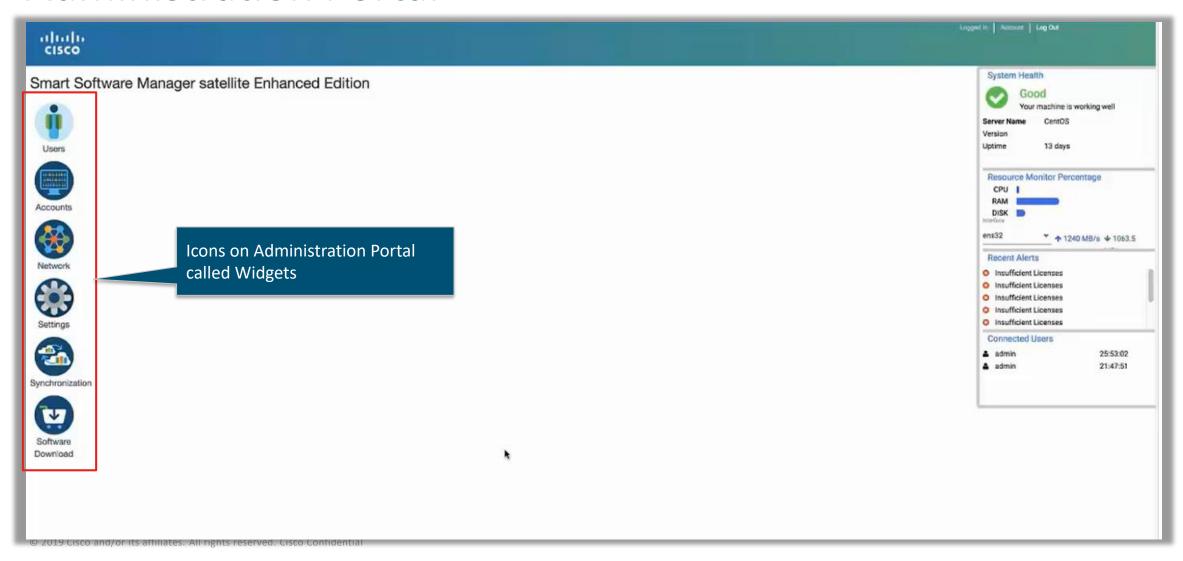


Disconnected

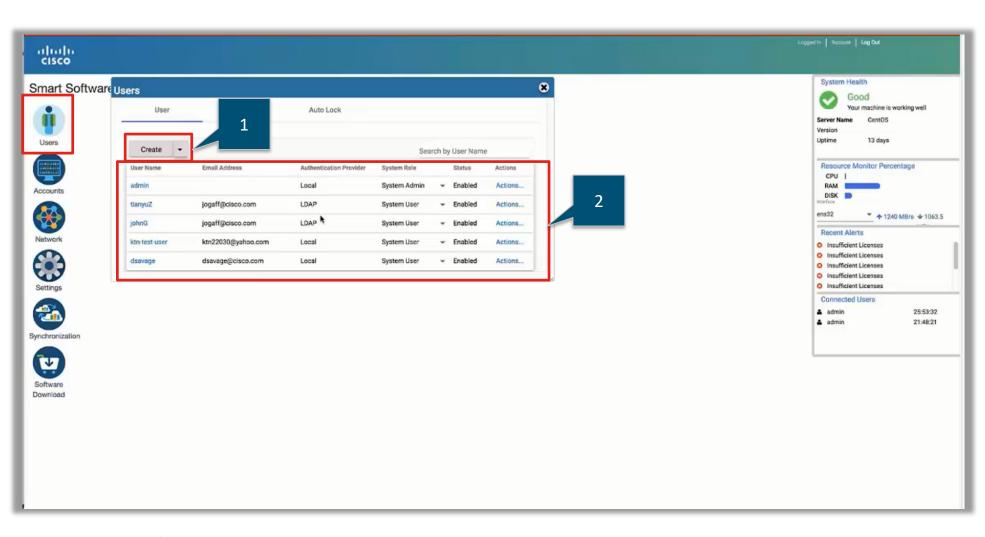
- Mode is used when there is <u>no connectivity</u> to cisco.com from the on-prem
- On-prem can be synchronized with Cisco SSM via a file upload and download



CSSM On-prem Extended Edition User Interface: Administration Portal



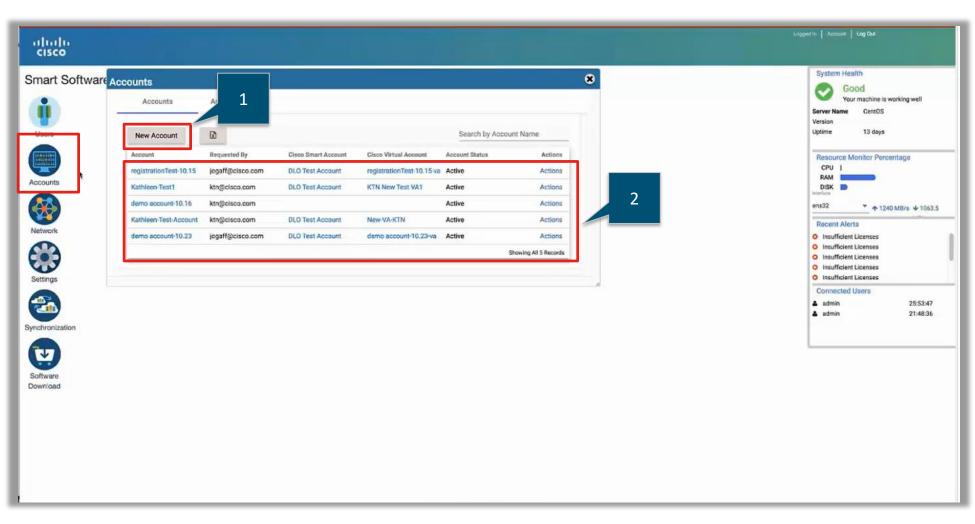
Administration Portal - Users



On the **Users** widget in the administration portal

- 1. Add new users
- 2. View existing users added when they log into the licensing portal from LDAP an external authentication server

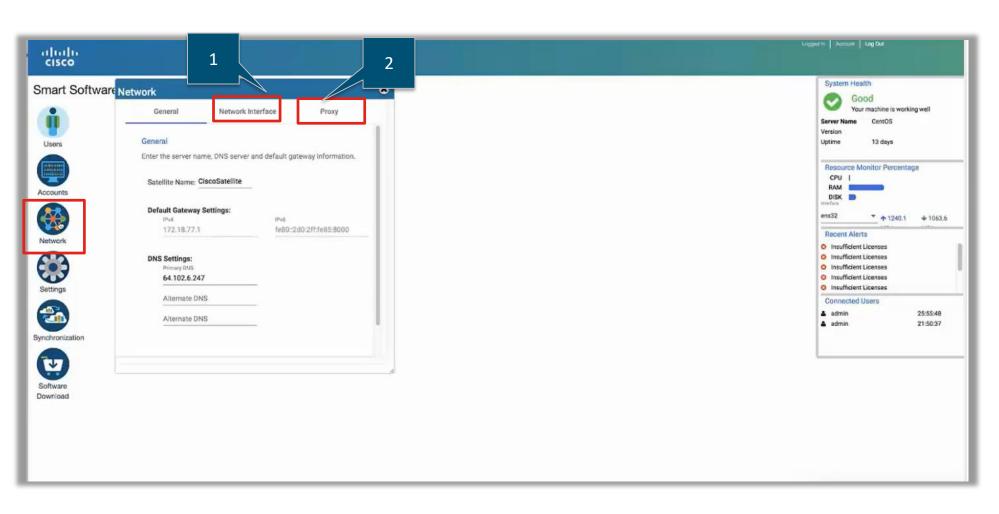
Administration Portal - Accounts



In the Accounts widget,

- Create new on-prem account and register to CSSM if you are a system administrator or request a new account
- 2. Request access to an existing account

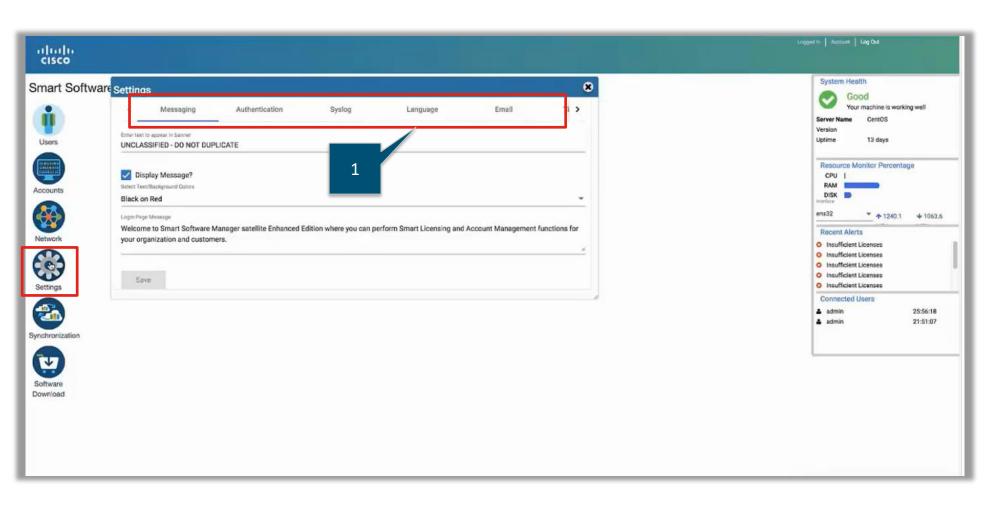
Administration Portal - Network



In the **Network** widget,

- 1. Configure up to four network interfaces for the on-prem
- 2. Configure proxy

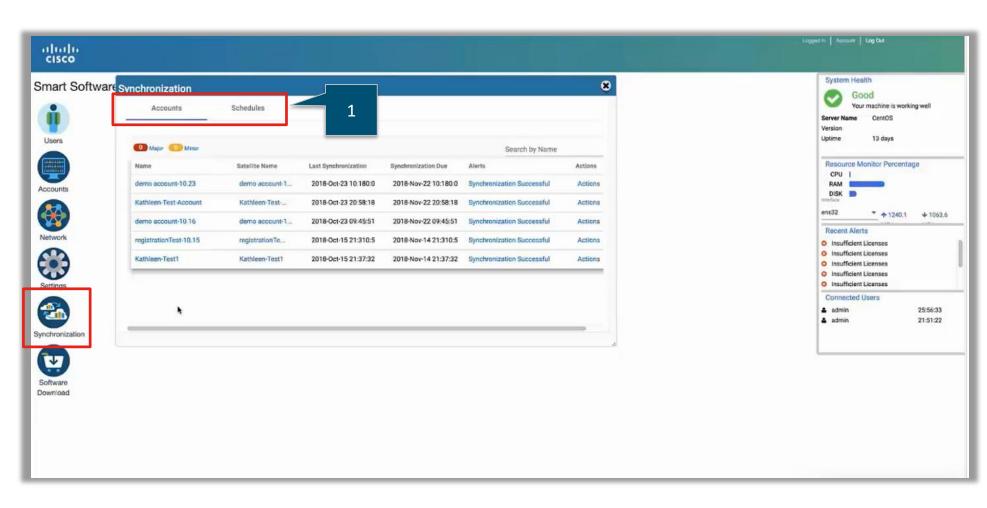
Administration Portal - Settings



In the **Settings** widget,

1. Configure system parameters such as message of the day, external authentication, syslog support, and email server

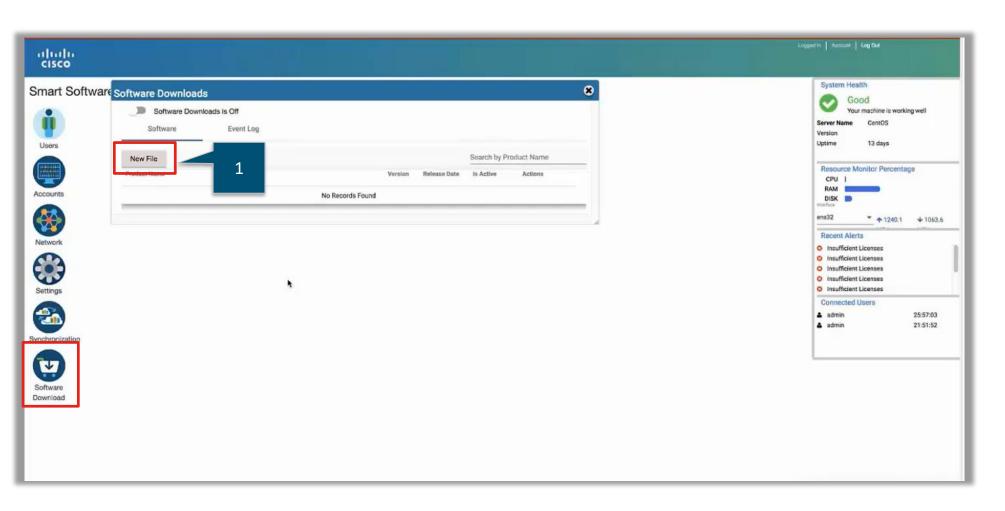
Administration Portal - Synchronization



In the Synchronization widget,

1. Perform on-demand or scheduled synchronizations to Cisco SSM

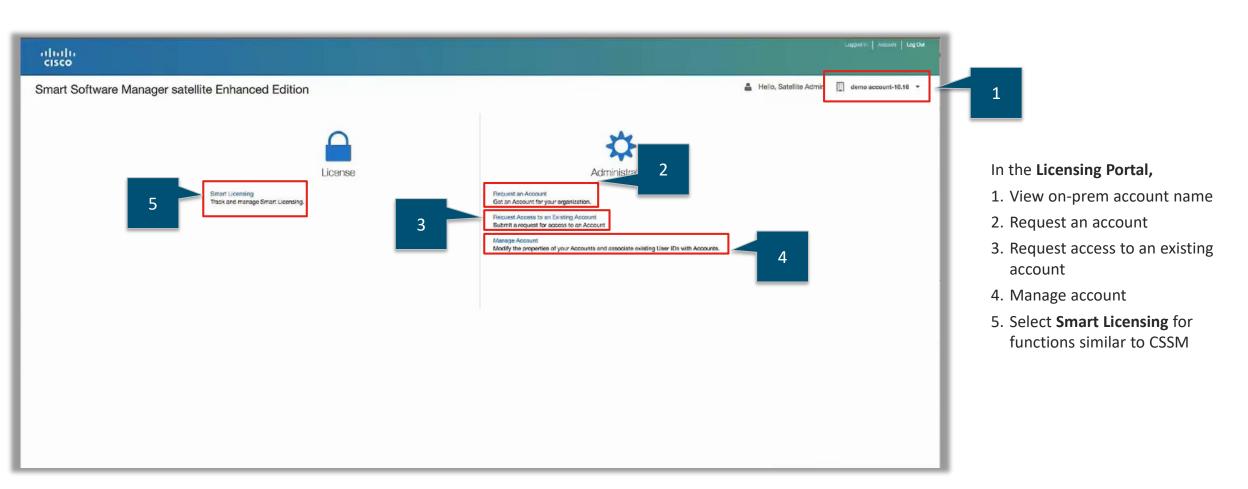
Administration Portal - Software Download



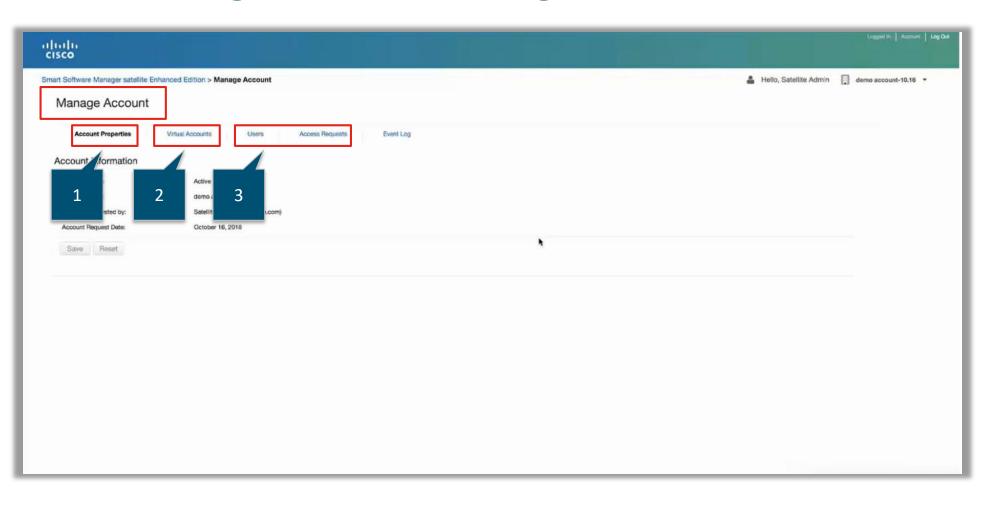
In the Synchronization widget,

1. Populate software images for customers to download directly from their on-prems if they have purchased them in their smart account

Licensing Portal



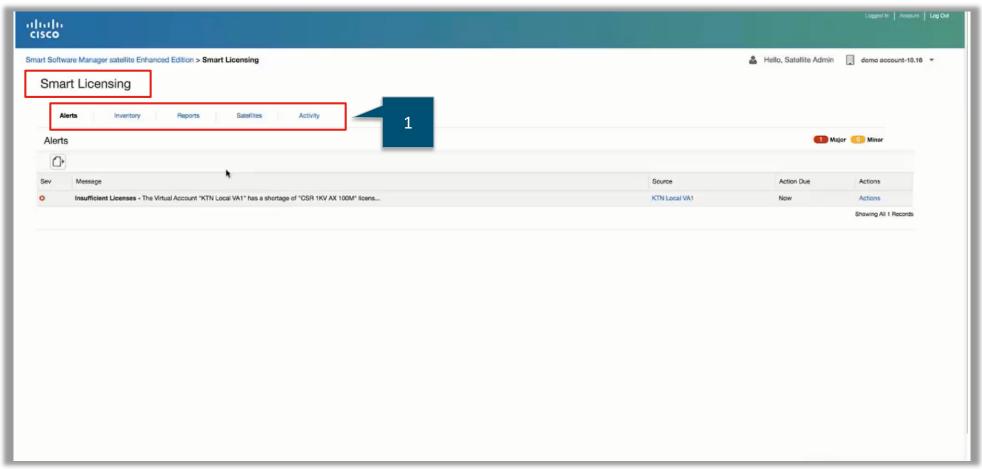
Licensing Portal – Manage Accounts



In the Manage Account tab,

- 1. View account properties
- 2. Create Virtual Accounts
- 3. Enable role based access such as account administrator, account user, local virtual account administrator or local virtual account user

Licensing Portal – Smart Licensing

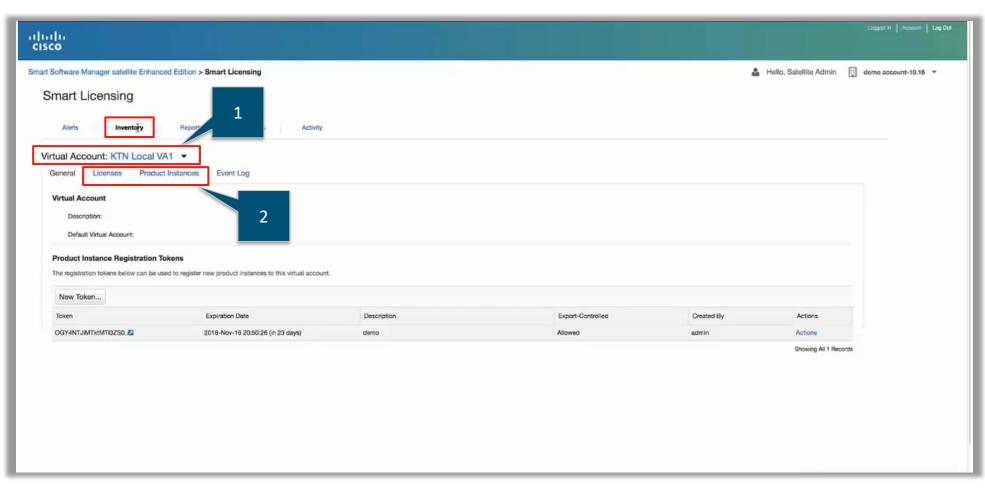


In the **Smart Licensing** tab,

 View the same options as on CSSM – Alerts, Inventory, Reports, on-prems, Activity

Please note: These operations are local to on-prem

Licensing Portal – Inventory



In the **Inventory** tab,

- 1. View and select Virtual Account
- View Licenses and Product Instances registered locally to the on-prem

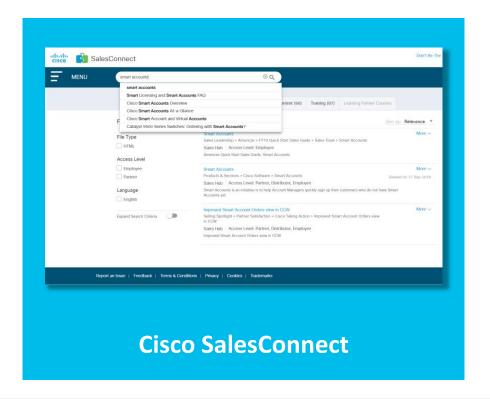
Please note: Registered product instances and consumed licenses are reflected on the virtual account associated with the on-prem on cisco SSM and newly available licenses are updated on the licensing portal of the on-prem account once the synchronization occurs

For More Information



http://www.cisco.com/go/smartsatellite





https://salesconnect.cisco.com/#/

In this session, we covered:













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