Cisco License On-Prem Session 1

Unveiling the NextGen Experience

Licensing Enablement & Adoption

September 2026

Housekeeping

1. Attendees are muted upon entry
2. Recording and slides will be made available after the webinar
3. Please post your questions to Q&A
4. Provide your feedback through polls

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Agenda

1. Introduction to Cisco License On-Prem
2. Cisco License On-Prem – Future of SSM On-Prem Server
3. Cisco License On-Prem Features
4. Connectivity Modes
5. SSM On-Prem to Cisco License On-Prem: Upgrade Procedures
6. Cisco License On-Prem UI walkthrough
    - Admin workspace: On-Prem account Creation
    - Licensing workspace: Overview, Licenses & Devices

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Introduction to Cisco License On-Prem

Cisco License On-Prem is an IT Asset Management solution that enables customers to administer Cisco products and licenses on their premises. It is designed as an extension of Cisco Smart Software Manager and provides a similar set of features.

Business Problem

- **Local control & compliance** for strict security and regulatory needs
- **Air-gapped environments** with limited or no connection to Cisco's central licensing database

Solution

- **Local licensing system** hosted on customer's network
- **Licenses managed offline**, keeping sensitive data in-house
- **No constant cloud connection**, ensuring regulatory and security compliance

Outcomes

- **Eliminates external dependency**, minimizing compliance risks
- **Streamlines audits and renewals** with one local control
- **Secure, in-house licensing**, ensuring confidence and compliance

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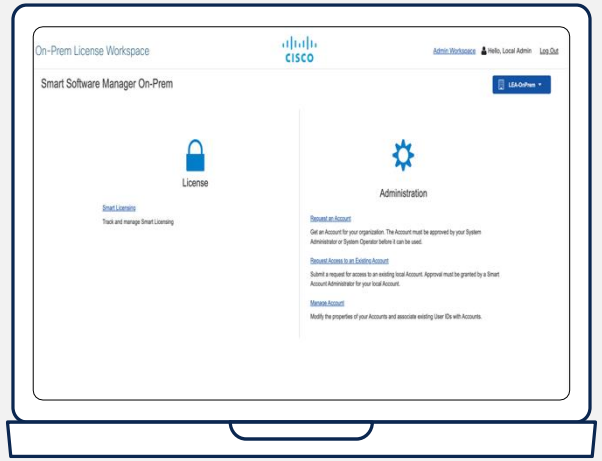
Cisco License On-Prem

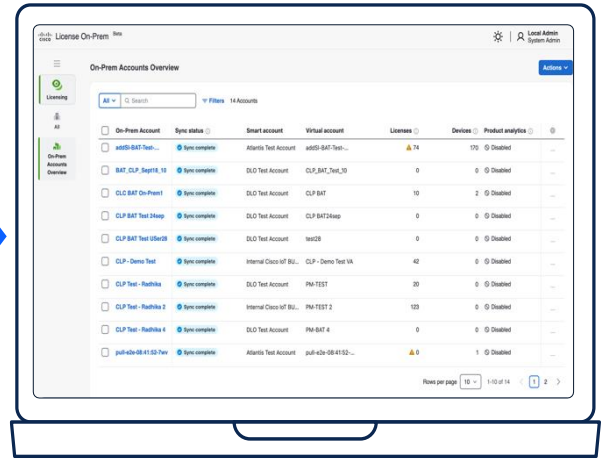
Future of SSM On-Prem

Current



SSM On-Prem Server

Future



Cisco License On-Prem

Key Highlights

Modern UX framework
User centric design with usability improvements

UX Parity with the Cloud Experience
Parity in both look and feel & functionality

Enhancements
Simplified workflows for efficient and intuitive experience

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Cisco License On-Prem Features

High Availability & Performance

Support for Two and Three-node HA architecture ensures improved performance, failover, and uninterrupted service.

Flexible Deployment

Supports multiple platforms including VMware ESXi, AWS, Azure, Hyper-V, Nutanix, KVM-Ubuntu and RHEL and OpenShift Virtualization for versatile virtual environment deployment. Includes AMD support for CLP.

User Experience & Efficiency

Features a user-centric design with a modern UX framework, contributing to reduced operational expenses.
Embedded AI Assistant.

Stability & Security

Includes rate limiting, FIPS certification, and secure Okta-based authentication.

Multi-Tenancy and Scalability

Allows for the management of multiple Cisco Virtual Accounts or customer Smart accounts. Scales up to a total 300,000* product instances with a maximum capacity of 25,000 Product Instances per account using 1 license each.

Cloud Consistency & Integration

Offers a consistent experience with the Cisco Cloud UI, providing improved visibility and actionable insights.

Unified One-Click Sync with CLC

**Depends on the deployment platform and the types of devices being used*

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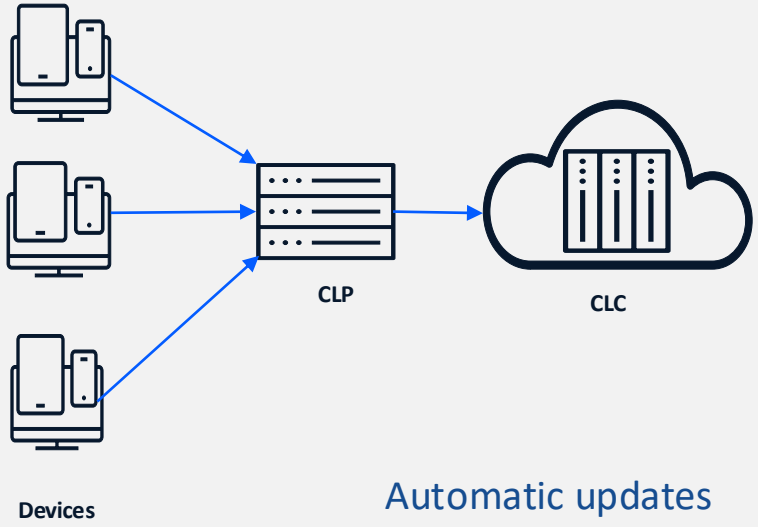
Connectivity Modes

Connected

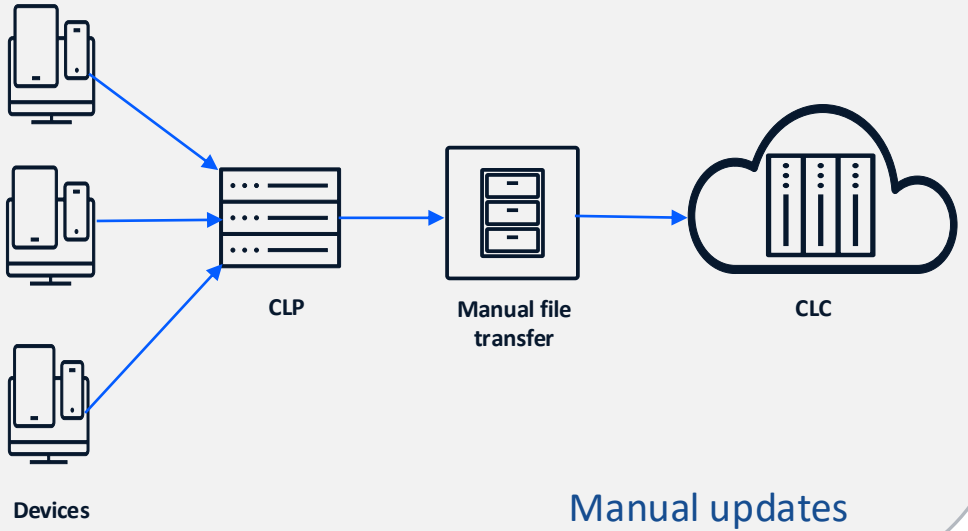
- Mode is used when there is **direct connectivity** to Cisco License Central from the Cisco License On-Prem·
- License consumption and entitlements can be synchronized with Cisco Licenses Central on-demand or automatically via scheduling
- Standard model & easiest to deploy.



Automatic updates

Disconnected

- Mode is used when there is **no connectivity** to Cisco License Central from the Cisco License On-Prem.
- Cisco License On-Prem can be synchronized with Cisco License Central via a file upload and download.



Manual updates

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SSM On-Prem to Cisco License On-Prem: Upgrade SOP

CLP Target release	Direct upgrade supported from	Migration Supported from
10-202606	9-202502, 9-202504, 9-202507, 9-202510, 9-202601	8-202404
10-202608	10-202606, 9-202601	
10-202609	10-202608	

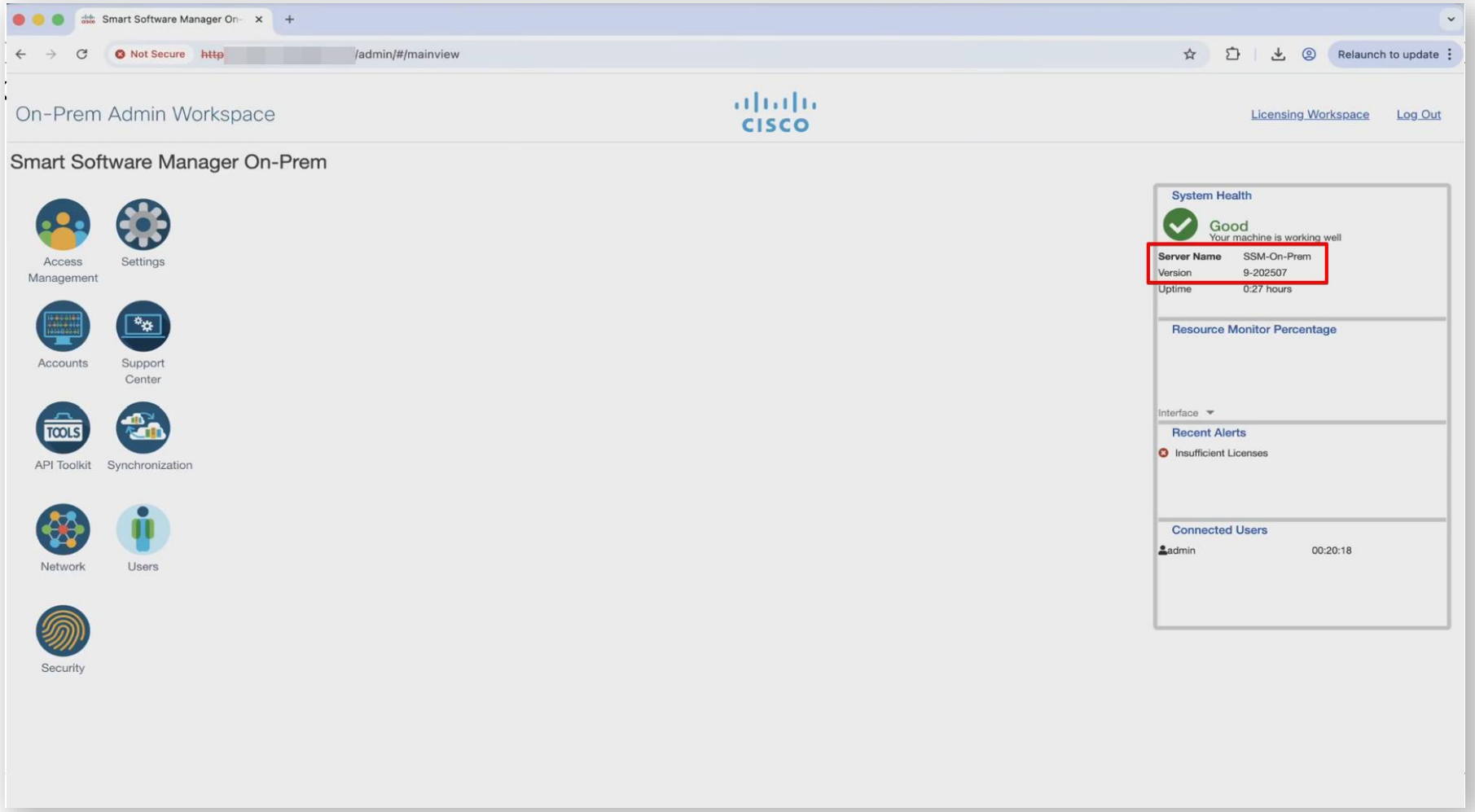
General pre-upgrade steps:

1. Confirm the upgrade path is supported for your exact current and target releases
2. Verify the virtual machine meets the minimum requirements for the target release
3. Do not resize the virtual machine during the upgrade process
4. Perform a full database backup and take a snapshot (if possible) and complete synchronization before starting the upgrade to prevent potential data loss.
5. If using proxy – enable the new endpoint for outgoing traffic: **id.cisco.com**
6. Please refer to Upgrade procedure in Release Notes and Installation Guide

Post-upgrade checks:

1. Clear your browser cache after the process is complete to ensure the interface correctly displays the updated environment.
2. Confirm the new version from CLI
3. Log in to the web UI and confirm it is accessible
4. **Sync Status shows as sync required for all the accounts, perform the synchronization.**
5. Confirm product instances and license usage appear as expected
6. If applicable, verify: proxy connectivity, certificate status, cluster / HA health
7. Keep the VM snapshot until functionality is validated
8. **In case of any upgrade failures, please do not rollback to previous SSM On-Prem version. Please raise a case with Cisco TAC.**

Pre-Upgrade System Setup



Pre-Checks

1. Confirm the integrity of all existing accounts, device configurations, and LDAP settings.
2. Ensure automated database backups are current, and security certificates are valid.
3. Establish this baseline to guarantee a stable starting point before initiating the upgrade.

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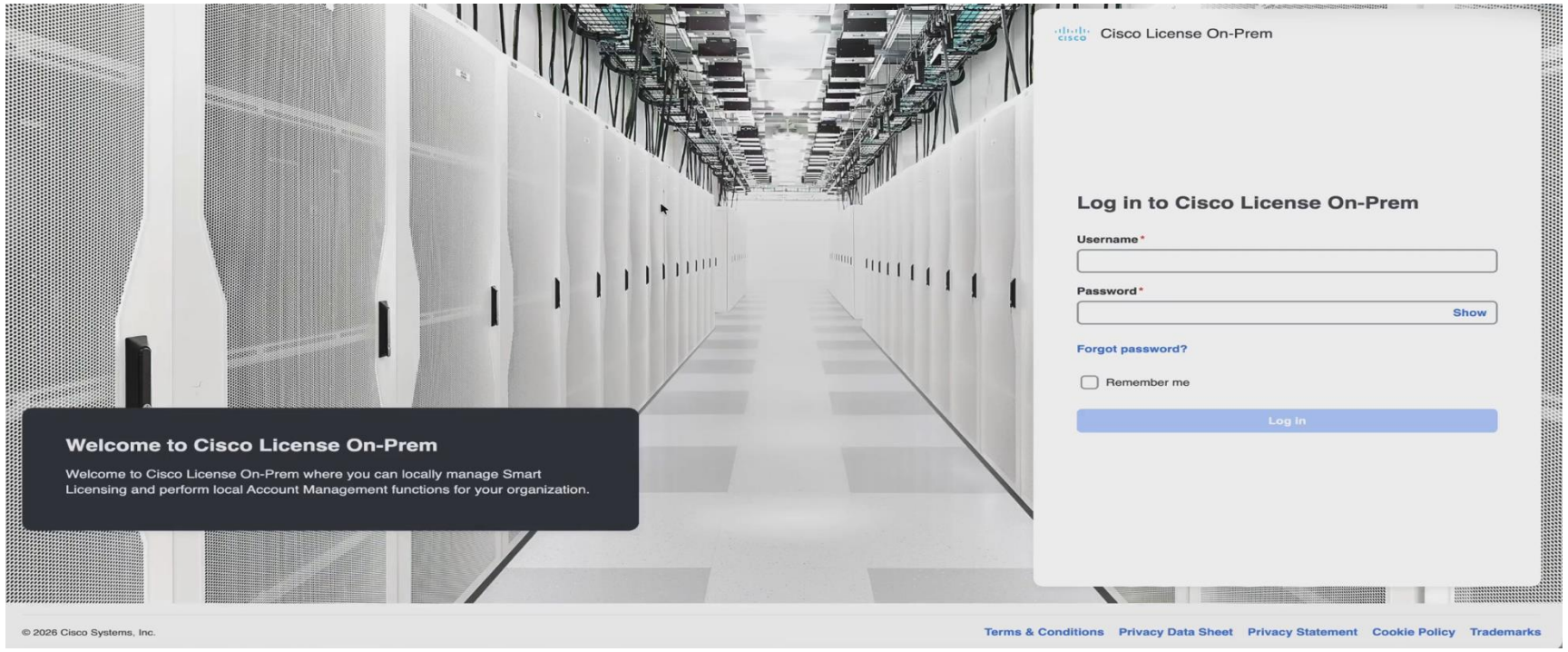
Upgrade to Cisco License On-Prem

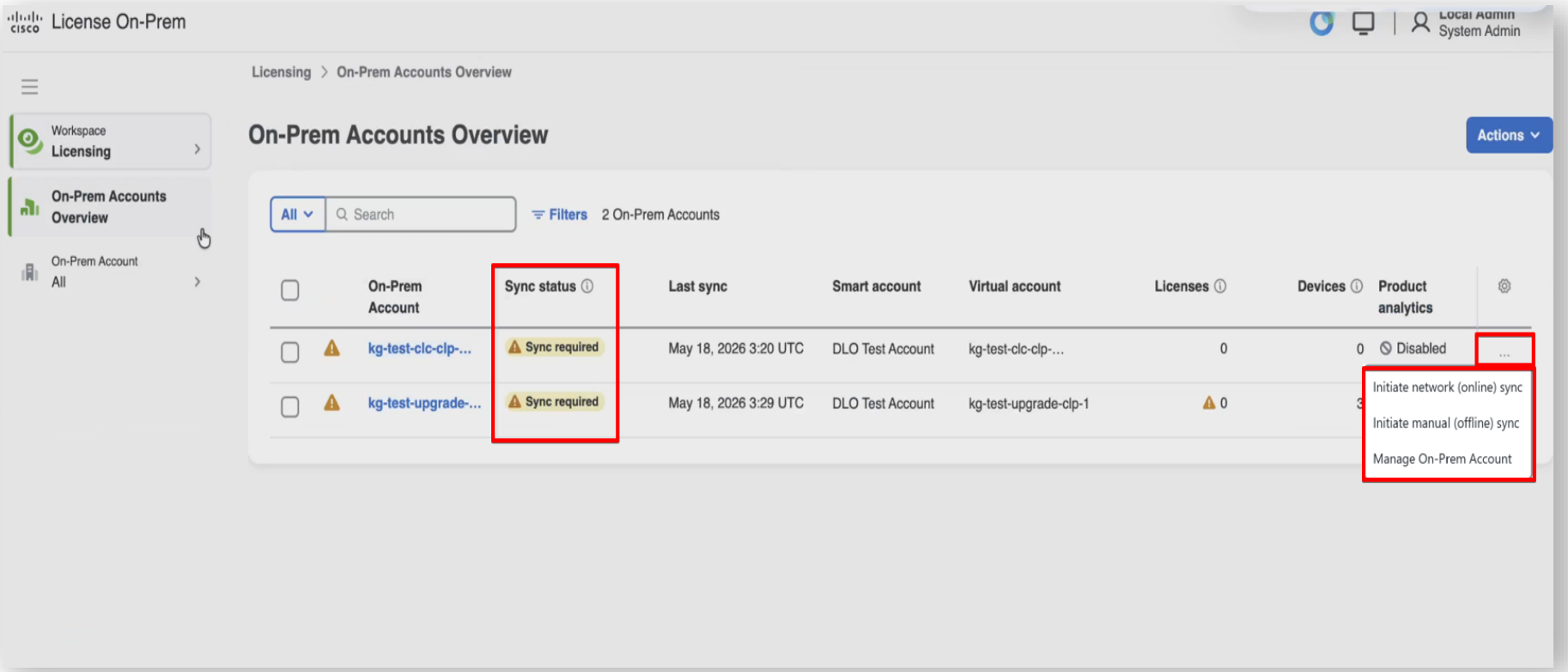
```
>> dir patches
   FILESIZE  FILENAME                                          DATE
3432978385b  patches:CLP_upgrade-10-202606-2605181317.sh       2026-05-18 16:59:42
       512b  patches:CLP_upgrade-10-202606-2605181317.sh.sha256 2026-05-18 16:59:55
>> upgrade patches:CLP_upgrade-10-202606-2605181317.sh
Administrative privileges required. Please enter your password to continue.
[sudo] password for admin:
Upgrading system from patch file ... /var/files/patches/CLP_upgrade-10-202606-2605181317.sh
Verified OK
Creating directory /var/tmp/ssms_patch-10-202606
Verifying archive integrity...    76%
```



Process

1. The user logs into the On-Prem console and uploads the upgrade patch file.
2. Required commands are executed to initiate the upgrade process.
3. The system is successfully upgraded to the latest Cisco License On-Prem version.

Post-Upgrade Synchronization



Workflow

1. After the upgrade, on-premises accounts must be synchronized for the first time.
2. Initial synchronization ensures all existing accounts are aligned with the updated system.
3. This step sets up a consistent baseline for ongoing account management and integration.

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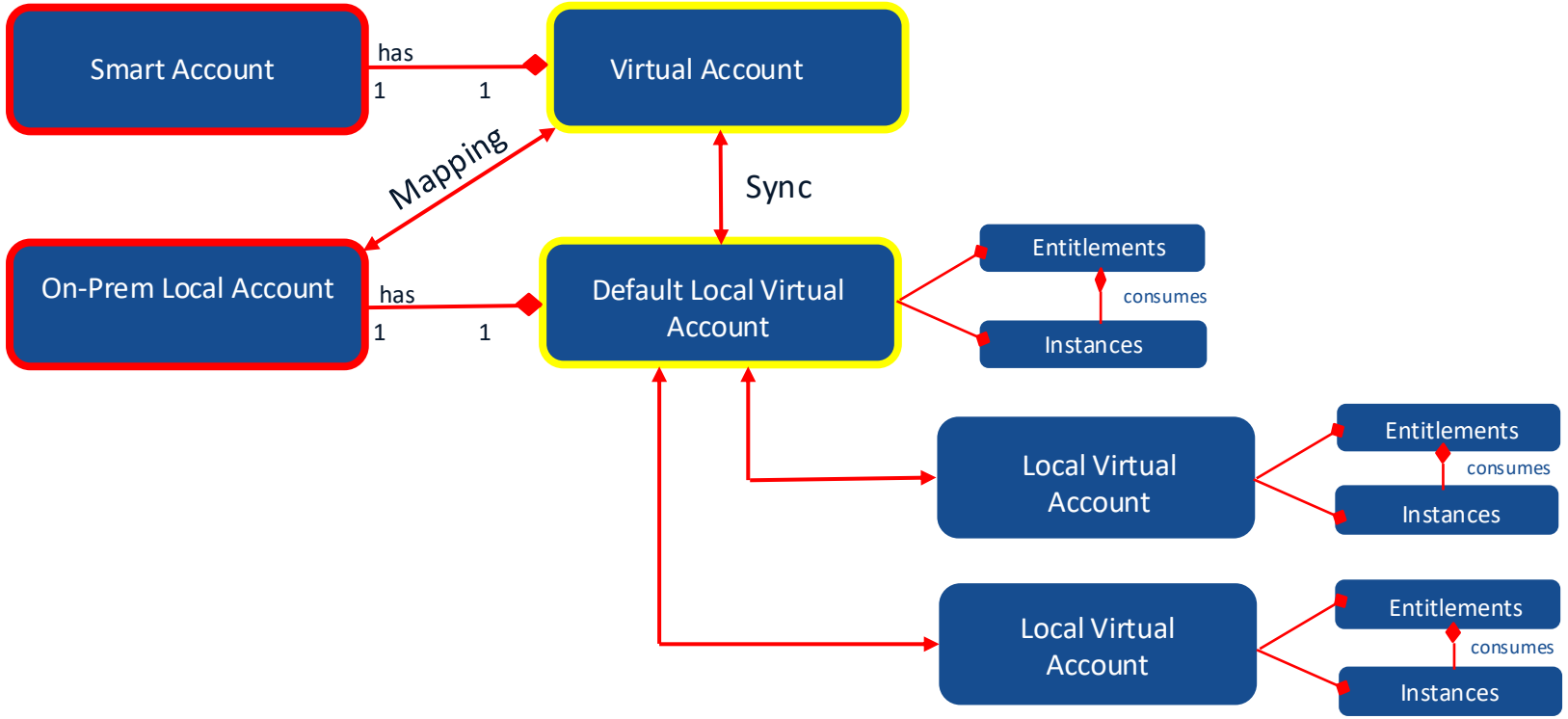
Cisco License On-Prem UI walkthrough

Mapping Smart Account with On-Prem

- Cisco uses **Smart Accounts** and **Virtual Accounts**, while On-Prem uses **Local Accounts** and **Local Virtual Accounts**.
- Each **On-Prem Local Account** maps to **one Cisco Virtual Account** (one-to-one relationship).
- A Local Account can contain **multiple Local Virtual Accounts**.
- Each **Local Virtual Account** can hold multiple registered product instances and their associated licenses.
- One Local Virtual Account is always the **Default** and is named **"Default"**.



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Polls

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Thank you