# Implementing Cisco Collaboration Hybrid and Cloud Technologies (CPLL-CLHCT)

Duration: 180 Days

**Course Overview:**

The Implementing Cisco Collaboration Hybrid and Cloud Technologies (CLHCT) Learning Path teaches you to configure, manage, and troubleshoot Cisco collaboration cloud and hybrid solutions. Built on Webex Suite, Webex Control Hub, and Cisco Unified Communications Manager (CUCM) Release 15, it covers hybrid integration, Control Hub administration, cloud calling, migration, security, and collaboration APIs. You'll learn to manage users, devices, and workspaces; secure Webex with single sign-on, compliance tools, and Hybrid Data Security; integrate hybrid calendar, messaging, and Webex Edge services; migrate from CUCM to Webex Calling; deploy redundant Local Gateways; and extend Webex with APIs, bots, and AI features.

This Learning Path prepares you for the 300-820 CLHCT v2.0 exam. If passed, you earn the Cisco Certified Specialist – Collaboration Hybrid and Cloud certification and fulfill the concentration exam requirement for the Cisco Certified Network Professional (CCNP) Collaboration certification.

**Skills You'll Learn:**

- Configure and manage Cisco cloud collaboration solutions and Webex Suite services using Control Hub administration
- Strengthen organizational security by implementing robust identity controls, endpoint protection, and compliance management tools
- Execute seamless migrations from on-premises Unified CM environments to the Webex cloud while integrating hybrid collaboration services
- Orchestrate Webex Calling deployments by managing PSTN connectivity, dial plans, and site-specific routing rules in multi-tenant environments
- Utilize Webex APIs, AI features, and custom integrations to automate device management and enhance collaboration workflows

**Learning Path Objectives:**

1. Building Blocks for a Cloud Collaboration Solution: Develop essential skills for configuring, managing, and monitoring Cisco's cloud collaboration solutions, including Webex Suite services and Control Hub administration.
2. Advanced Security Within Webex Suite: Strengthen your organization's security posture by implementing identity controls, protecting Webex Suite endpoints, and managing compliance through Cisco's hybrid data security and Cloud Lock tools.

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3. Hybrid Collaboration and Migration to the Cloud: Acquire comprehensive knowledge for implementing hybrid collaboration services, integrating Microsoft and messaging tools, optimizing media traffic with Webex Edge, and migrating on-premises Unified CM infrastructure to the Webex cloud.
4. Webex Calling Multi-Tenant: Orchestrate Webex Calling deployments within multi-tenant environments by managing Control Hub configurations, PSTN connectivity, and dial plan routing while evaluating the architectural differences between multi-tenant and Dedicated Instance models.
5. APIs, Programmability, and AI: Leverage Webex APIs, AI capabilities, and third-party integrations to build custom bots, automate device management, and enhance collaboration workflows through intelligent automation.

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