





→ Zoom Meetings Hybrid

# Zoom Meetings Hybrid

**Zoom Meetings Hybrid** (ZMH) is a Zoom Node service module that optimizes internet and WAN bandwidth and minimizes meetings, webinars and events latency by keeping meeting media within a corporate network. It also improves network security by consolidating media traversing the network edge.

## Why use Zoom Meetings Hybrid

Optimize internet bandwidth utilization and improve network edge security with a hybrid meeting solution deployed on the Zoom Node platform.

Bandwidth & quality improvements Zoom Meetings Hybrid incorporates local multimedia switching & routing functionality for optimal internet bandwidth utilization and minimized latency and jitter.

> Meetings and webinars will also cascade to the Zoom cloud as needed to accommodate external guests and provide additional capacity for overflow.

## Strengthened Security

Zoom Meetings Hybrid consolidates media traversing the network edge eliminating individual client streams and reducing open firewall ports.

## Centralized Management

Zoom Meetings Hybrid is managed by the Zoom Node platform for greater manageability, scalability, and security.

## Facilitate Compliance & privacy

Keeping meeting and webinar media on premises helps meet regional compliance obligations and local privacy requirements.

## **Two Modes of Operation**

Zoom Meetings Hybrid supports two distinct modes of operation: A cloud-to-premises hybrid mode, and an internal-only mode for non-cloud meetings.

#### **Hybrid Mode**

In Cloud-hybrid mode, media will flow through the internal hybrid nodes, reducing the amount of media connections to the Zoom Cloud. However, the meetings and webinars are controlled from the cloud and can cascade for overflow and to facilitate external guests joining.

- Users within your corporate network connect to Meetings Hybrid as an intermediary connection point between their client and the cloud.
- The Hybrid Meeting module multiplexes and redistributes a meeting's audio, video, and screen sharing media streams between users and the cloud.
- All Zoom cloud services are available to meeting participants including recording, whiteboarding and transcription.

## **Internal Mode**

In Internal mode, all meeting media and signaling stay within your network. Only meeting and webinar metadata will be sent to the cloud. The solution helps ensure that the meetings do not cascade to the cloud and the meeting media and signaling does not traverse it.

- This mode can be enabled by your administrator or selected by the users themselves when required during the meeting scheduling phase.
- When a meeting is scheduled as internalonly, Meetings Hybrid acts as an internal multi-media router, multiplexing and redistributing a meeting's media and signaling between users within the corporate network.
- In internal only mode, the real time voice and video for your private meetings stay securely on your network.

## The Power of Zoom Node

Zoom Node is a unified hybrid platform designed to host Zoom on-prem and hybrid solutions called workloads or service modules. Zoom Node and its service modules are deployed within an organization's premises but managed from the Zoom Cloud web portal, effectively extending Zoom Cloud functionalities to customer data centers.

## **Cloud-driven control**

The unified, hybrid cloud platform includes a cloud registration and management framework designed for easy environment and service provisioning, onboarding, status monitoring and control, as well as granular logging.

## **Real-time insights**

Leverage the Zoom cloud management and analytics interface for Zoom Node and all supported modules status, with granular logging as well as an alerting and notification service enabling real-time monitoring and frictionless troubleshooting.

#### Security

By providing a robust Zoom cloud connection, Zoom Node delivers a strong security framework. The security features of Zoom Node include advanced security certificate management with Zoom Auto PKI, managed automatic updates for Zoom Node components and service modules, and bundled OS for turn-key network appliance-style installation and management.

## **Module visibility**

With a registration service enabling the authorization and enrollment of components in customer data centers to the cloud and a debugging console displaying logs, stay on top of what's happening across all your Zoom Nodes and service modules. Node seamlessly integrates with the Zoom dashboard to provide integrated usage analytics and utilization trending. With an integrated map view, you can easily view the health of your hybrid deployment across your organization.

## **Customizable capacity**

Zoom Node's structure allows you to tailor your hybrid strategy to your organization's unique needs – adding on additional Zoom Nodes and different service modules as needed.

Each Zoom Node currently has capacity for up to four modules per server.

## **Getting Started**

Each Zoom Meetings Hybrid service module supports up to 200 simultaneous HD or 400 simultaneous SD streams, potentially enabling support for thousands of users. To learn more about deploying Zoom Meetings Hybrid in your environment, visit this support article, or contact sales.

