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Blend on-premises and cloud solutions with Zoom Node

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Solutions Brief - Zoom Hybrid Deployment



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Strike the right balance of cloud and on-premises functionalities for your unique business needs. With Zoom Node's hybrid deployment offerings, you can add additional layers of security, band width, and survivability and enable compliance by extending Zoom's cloud solutions to your data centers. Zoom Node modules span Zoom Meetings, Zoom Phone, and Zoom Team Chat.

Why Zoom Hybrid Deployment?

→ Add another layer of security

Keep workstation and media traffic within your organization's network and reduce the number of data ingress and egress points.

→ Improve bandwidth and latency Reduce required band width and minimize latency, jitter, and dependency on the internet. → Enable adherence to regulatory requirements

Maintain real-time media and recordings inregion to support data storage and transit regulatory requirements.

 \rightarrow Protect workloads in case of an outage

Enable collaboration applications to persist during network and system outages.

"To keep our students and faculty safe, we needed to ensure our phone system would continue to operate in the event of a network connectivity issue, power outage, or natural disaster [...] Zoom Phone Local Survivability helps us take advantage of the ease and reliability of a cloud phone system while knowing we can continue to operate no matter what the circumstances may be."

Leslie Rohr

Executive assistant to the superintendent at Merced Union High School District.



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Zoom Hybrid Deployment Product Overview

Zoom Node

Zoom Node is the engine that powers our hybrid modules. It serves as the central hub for hosting a variety of Zoom workloads and is designed to virtually connect the Zoom Cloud to your data center.



Centralized, cloud-driven management

Provision, onboard, monitor, and control with our cloud registration and management framework and easily deploy or upgrade multiple Nodes in bulk at once.



Real-time insights

Gain visibility into your modules with our analytics interface that provides granular logging and makes it easy to troubleshoot with alerting and notification services.



Module visibility

Stay on top of what's happening across all your modules with our registration service that allows you to authorize components in your data centers to the cloud.

Customizable capacity

Tailor your hybrid strategy to your unique need switch the ability to add nodes and modules as required, with capacity for up to four modules.





Zoom Node Modules

Zoom Meetings Hybrid



Optimize internet and WAN bandwidth – and minimize Zoom Meetings, Webinars, and Events latency – by keeping meeting media within your network. Zoom Meetings Hybrid also helps improve network security by consolidating media traversing the network edge.

→ Private mode

Keep meeting media and signaling within your network for internal meetings when you don't want information to be sent to the cloud.

→ Support compliance and privacy

Help meet regional compliance obligations and local privacy requirements by keeping meeting and webinar media on-premises.



\rightarrow Strengthened security

Enable the elimination of individual client streams and the reduction of open firewall ports with consolidated media traversing the network edge.

→ Cloud-hybrid mode

Reduce the amount of media connections to the Zoom Cloud by flowing media through internal hybrid nodes.

→ Bandwidth and quality improvements

Optimize internet bandwidth utilization and minimize latency and jitter with local multimedia switching and routing functionality, plus the ability to cascade to the Zoom Cloud as needed to support external guests and overflow capacity.

Zoom Recording Hybrid

Add an extra layer of security, bandwidth, and survivability, and enable compliance for your Zoom Meetings and Webinars hybrid recordings by storing them locally. This module is an extension of our Zoom Meetings Hybrid module and must be combined with the Zoom Meetings Hybrid module.

Record meetings and store the recordings on-

premises in your network file storage system.

→ Private meeting recording and storage

Cloud-hybrid meeting recording (Coming soon)

Record to the cloud and store the recordings onpremises in your network file storage system.

Zoom Phone Local Survivability

Maintain core Zoom Phone services in the event of an outage, including the ability to make and receive internal and certain external calls.

→ Main number handling

Keep your main number reachable during an outage.

Emergency calling

Provide the ability to callout to emergency services.

Automatic restoration

Automatically re-register back to the cloud and maintain core phone features when connectivity to the Zoom Phone cloud is restored.

Zoom Team Chat Hybrid

Support compliance with regulations requiring onpremises storage for your chat messages and data.

→ Customized retention periods

Determine how long you want to retain chat data at the account and group levels.

Robust dashboard

Easily manage your service and deployments, and gain insights from reporting.

For more information, view our Zoom Node webpage.

Explore Zoom Node

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