

Telkomsel Meeting Assistant

Costing and Options

v1.0





AI-driven, automatic transcription, and note creation



Ensuring no information is lost, everything discussed in meetings is documented



Compatible with both online and offline meetings

We make it special only for Telkomsel

- Speaker recognition for offline meeting
- Telkomsel Internal Vocabulary
- Telkomsel-dedicated meeting minutes custom format
- White label dashboard for Telkomsel
- Implementation of correction feature toward transcription, based on internal vocabulary



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...and more



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Key benefits of meeting.ai



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Without Meeting.ai	With Meeting.ai
Average Time needed (% of meeting duration)	
450%	20%
Cost conversion (on hourly basis)	
IDR 300k per hour <small>*only transcription service fee on average</small>	IDR 41k per hour <small>*including transcription, summary, and key points</small>
Data Retention and Accessibility	
Scattered, based on employee's own notes	Organized and accessible to all, including those with hearing impairments or language barriers
Knowledge Sharing	
Tend to need extra time to share meeting results to team members, either by organizing another meeting or sharing session.	Offers simplicity for sharing meeting insights by link (protected by security password), hence fostering knowledge distribution and cross-team collaboration.

Competitive Advantages

	 meeting.ai	 zoom AI Companion	 Microsoft Teams
Accuracy for Indonesian language	~95.4%	~91.5%	~91.5%
Multiple channel integration, including offline meeting	✓	✗	✗
Customize meeting format	✓	✗	✗
Deployable on private environment	✓	✗	✗
Internal Vocabulary	✓	✗	✗
Embeddable on Enterprise Private Apps	✓	✗	✗
Key points enhancement with play button feature	✓	✗	✗

Capacity Planning

- Scenario 1 – 400 hours per day
 - taken from 400 people in Tsel with VP and GM level (assume 1 hour meeting per day recorded)
 - Scenario 2 – 1500 hours per day
 - taken from average meeting per day from Microsoft Teams data
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Cost Assumption

- Using basic meeting format
- 50% meeting offline and 50% online meeting
- Optimized cloud setup
 - spot instance for fault-tolerant workflow, with ratio 50% spot, 50% on-demand
 - 30 days data retention

Option 1: Private Cloud Deployment on Azure

	400 hours per day	1500 hours per day
Meeting.ai License Monthly	\$7,214.27	\$7,214.27
Azure Usage Monthly	~\$4,774.99	~\$13,254.25
Total Monthly	~\$11,989.26	~\$20,741.26
Total Annual	~\$143,871.12	~\$248,895.12

Option 2: Private Cloud Deployment on AWS

	400 hours per day	1500 hours per day
Meeting.ai License Monthly	\$7,214.27	\$7,214.27
AWS Usage Monthly	\$5,447	\$18,511.07
Total Monthly	\$12,661.27	\$25,725.34
Total Annual	\$151,935.24	\$308,704.08

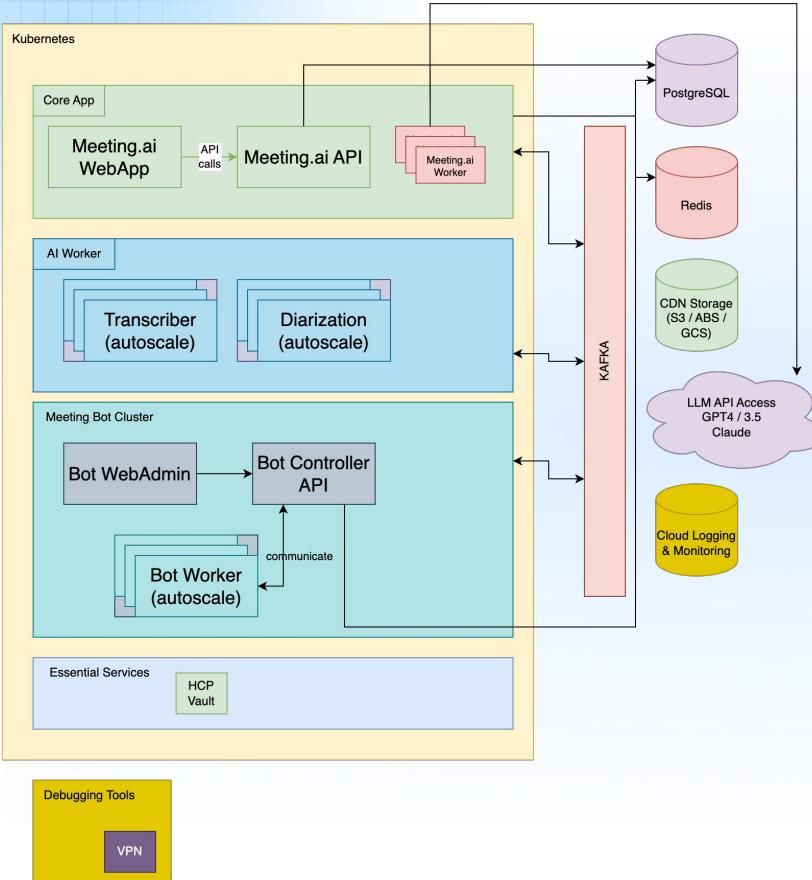
Azure Breakdown

	400 Hours Per Day	1500 hours per day
AI Instances	\$1,830.02	\$6,271.55
Bot & Integration Instances	\$473.04	\$1,655.64
Core App Instances	\$649.41	\$649.41
Others	\$1,822.53	\$4,677.65
Total Monthly	\$4,774.99	\$13,254.25

AWS Breakdown

	400 Hours per day	1500 Hours per day
AI Instances	\$3,067.00	\$10,721.17
Bot & Integration Instances	\$462.54	\$1,618.89
Core App Instances	\$658.18	\$658.18
Others	\$1,259.43	\$5,512.83
Total	\$5,447.15	\$18,511.07

Infrastructure at a glance



Service Name	Function
Meeting.ai WebApp	The web interface that user will access via iFrame (Moana) or Browser
Meeting.ai API	API interface for webapp to function
Meeting.ai Worker	The service offers the same functionality as the meeting.ai API, but operates in 'worker' mode for executing long-running tasks.
Transcriber	AI Workers that automatically scales to process any video and audio and outputs the transcribed results.
Diarization	AI Workers that automatically scale to process any video and audio and output the speaker timeline.
Bot WebAdmin	Admin interface to control and monitor meeting bot
Bot Controller API	The controller service for meeting bot, provides bot core API and act like controller (master) to the bot worker
Bot Worker	Service that emulate browser to join online meetings. Controlled by Bot Controller Service

Cloud Comparison and Compatibility (AWS and Azure)

Managed Kubernetes
CDN / Storage
LLM Access
NVIDIA T4 / A10 GPU Access
Managed Kafka
Mailing Services
PostgreSQL & Redis
Monitoring & Alerting

	AWS	Azure
Managed Kubernetes	Available – AWS EKS (Elastic Kubernetes Service)	Available – Azure Kubernetes Service
CDN / Storage	AWS S3 Not supported yet Under Development	Supported – Azure Blob Storage
LLM Access	Amazon Bedrock: Anthropic Claude 2.1 Model Not supported yet Under Development	Azure OpenAI: GPT-4 / GPT3.5 Supported
NVIDIA T4 / A10 GPU Access	Available – g4dn & g5 instances	Available – NC4asT4v3
Managed Kafka	Available – AWS MSK Fully supported	Azure Event Hubs
Mailing Services	Available – AWS SES Fully supported	Not Available
PostgreSQL & Redis	Available	Available
Monitoring & Alerting	Available – AWS CloudWatch	Available

- Azure Cloud is fully supported no additional development needed
- Support for AWS services are in development, estimated completion in the fourth week of March

Option 3. SaaS

IDR 24.500 per hour

~~IDR 41.000 per hour~~

when minimum purchase at 10.000 hours per top-up

Private Cloud vs Meeting.ai SAAS

	Private Cloud (Azure or AWS)	Meeting.ai SAAS
On General	Private cloud will provide full control over the deployment, configuration, and management of Meeting.ai. There is greater flexibility but also a higher responsibility in maintaining the infrastructure.	The deployment process here is quite straightforward since this is handled by the Meeting.ai team. The Meeting.ai team takes care of all the configuration and operational aspects, saving Telkomsel from these technical details.
Timeline	~3 months Note: Including integration API or iFrame	~1 month Note: Additional implementation of Telkomsel feature
Security	Level of security and compliance, although good, is partially determined by the service provider (Microsoft Azure & AWS)	Meeting.ai is committed to maintaining steadfast data protection and privacy through the use of SSL encryption, all communication is secured, providing additional layers of security and protection.
Access	Telkomsel has control of necessary systems, including servers, applications, and data.	Meeting.ai manages full access subject to our data centre compliance of ISO 27001 and SOC 2 procedures.
Implementation Effort	Deployment on private Cloud (AWS or Azure) requires a reasonable amount of effort, both for initial setup and ongoing management. It may also require a specific skill set and knowledge on Cloud solutions.	Most of the heavy lifting is done by the team behind it. So, the implementation effort is considerably lower. The focus will be more on using the service rather than setting it up and maintaining it.
Performance	Dependable on Azure or AWS	Meeting.ai takes responsibility for AI application performance