

# Planning for Agent Assist



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- 2. Describe the Agent Assist components and workflow.



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# Architecture: Agent Assist

What decisions need to be made?

- What Agent Assist Features will be used?
- How will input (chat or audio) be sent to the Agent Assist?
- How will responses be presented to human agents on their Agent desktop?
- How does Agent Assist integrate with other Google Cloud components and OSS solutions?



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# Agent Assist features

## Agent Assist: Gen AI Features

- 01 Smart Reply and Smart Compose
- 02 Generative Knowledge Assist
- 03 Baseline LLM Summarization
- 04 Sentiment analysis
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## Assistant Features

### Assistant Gen AI Features

Simple and Smart Composer

Live Knowledge Assist

Multi-LLM Summarization

Text analysis

Description



## Chat Interface

Agent Chat

Custom  
Chat UI

## Chat Integrations: Input to Agent Assist (1 of 4)



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## Voice Integration using gRPC (2 of 4)



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## Voice Integration using SIPREC (3 of 4)



Integration streams: C1 and C2 ingest streams to CDR / C3 and C4. Egress streams from CDR to Agent desktop.

## Voice Integration using SIPREC (3 of 4)



Integration streams: 10 and 20 ingress streams to CDS / 30 and 40: Egress streams from CDS to Agent desktop.

## Voice Integration using SIPREC (3 of 4)



Integration streams: D1 and D2 ingress streams to CDS / D3 and D4: Egress streams from CDS to Agent desktop.

## Voice Integration using SIPREC (3 of 4)



Integration streams: C1 and C2 ingest streams to C3 / C3 and C4. Egress streams from C3 to Agent desktop.

## Voice Integration using SIPREC (3 of 4)



Integration streams: C1 and C2 ingress streams to CIG / C3 and C4. Egress streams from CIG to Agent desktop.

## Use SIPREC to minimize Agent Assist latency (4 of 4)

Also reduces the effort of gRPC calls being called out for audio processing.

For calls with human agents, use border controllers to minimize the path between participants.

Use Google Cloud's SIPREC endpoint to duplicate conversation media streams to Agent Assist.





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