



≡ Readers > Markdown Reader

Readers

Markdown Reader

📄 Copy page



The Markdown Reader processes Markdown files synchronously and converts them into documents that can be used with Agno's knowledge system.

Code



examples/basics/knowledge/concepts/readers/overview/markdown_reader_sync.py



```
from pathlib import Path
```

≡ Readers > Markdown Reader

```
from agno.agent import Agent
```

```
from agno.knowledge.knowledge import Knowledge
```

```
from agno.knowledge.reader.markdown_reader import MarkdownReader
```

```
from agno.vectordb.pgvector import PgVector
```

```
db_url = "postgresql+psycopg://ai:ai@localhost:5532/ai"
```

```
knowledge = Knowledge(  
    vector_db=PgVector(  
        table_name="markdown_documents",  
        db_url=db_url,  
    ),  
)
```

```
# Add Markdown content to knowledge base
```

```
knowledge.insert(  
    path=Path("README.md"),  
    reader=MarkdownReader(),  
)
```

```
agent = Agent(  
    knowledge=knowledge,  
    search_knowledge=True,  
)
```

```
# Query the knowledge base
```

```
agent.print_response(  
    "What can you tell me about this project?",  
    markdown=True,  
)
```

Usage

Set up your virtual environment



Mac Windows



```
uv venv --python 3.12
source .venv/bin/activate
```

2 Install dependencies

```
uv pip install -U markdown sqlalchemy psycopg pgvector
```



3 Set environment variables

```
export OPENAI_API_KEY=xxx
```



4 Run PgVector

```
docker run -d \
  -e POSTGRES_DB=ai \
  -e POSTGRES_USER=ai \
  -e POSTGRES_PASSWORD=ai \
  -e PGDATA=/var/lib/postgresql/data/pgdata \
  -v pgvolume:/var/lib/postgresql/data \
  -p 5532:5432 \
  --name pgvector \
  agno/pgvector:16
```





Was this page helpful?



Yes



No



Suggest edits



Raise issue

< JSON Reader

Website Reader >

Ask a question...

Ctrl+I

Powered by [mintlify](#)



☰ Readers > Markdown Reader
