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Markdown Reader

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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

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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

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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
```





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`python examples/basics/knowledge/concepts/readers/overview/markdown_rea`

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