

# Core Components of CrewAI Part 2

Instructor

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# Collaboration

1

Agent Dynamics



Enhanced Collaboration  
& Functionality

# Collaboration

1

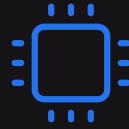
Agent Dynamics



Enhanced Collaboration  
& Functionality

2

Core Principles



Collaborative  
environment for agents

# Collaboration

1

Agent Dynamics



Enhanced Collaboration  
& Functionality

2

Core Principles



Collaborative  
environment for agents

3

Information Sharing



Real-time updates to  
keep agents aligned

# Collaboration

1

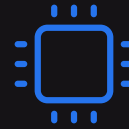
Agent Dynamics



Enhanced Collaboration  
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Core Principles



Collaborative  
environment for agents

3

Information Sharing



Real-time updates to  
keep agents aligned

4

Task Assistance



Real-time updates to  
keep agents aligned

# Collaboration



# Planning

Enables structured task planning



```
from crewai import Crew, Agent, Task, Process

# Assemble your crew with planning capabilities
my_crew = Crew(
    agents=self.agents,
    tasks=self.tasks,
    process=Process.sequential,
    planning=True,
)
```

# Tools



Web search



Data Analysis



Collaboration



Task Delegation



LangChain

```
from crewai import Agent, Task, Crew
from crewai_tools import SerperDevTool

# Set up the agent with a web search tool
researcher = Agent(
    role='Market Research Analyst',
    tools=[SerperDevTool()],
    verbose=True
)

# Define a single task
research = Task(description='Research AI industry trends.', agent=researcher)

# Assemble and run the crew
Crew(agents=[researcher], tasks=[research], planning=True).kickoff()
```



Thank You