

O'REILLY®

Agent Collaboration

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Learning Objectives

By the end of this module, you will:

- Know how agents can collaborate
- Understand how asynchronous operation works



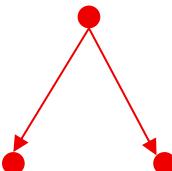
Agent Collaboration

- Agents can collaborate on a task to:
 - Share information
 - Assist on a task
 - Allocate and optimize resources
 - Hierarchical process requires manager LLM

Process.sequential



Process.hierarchical

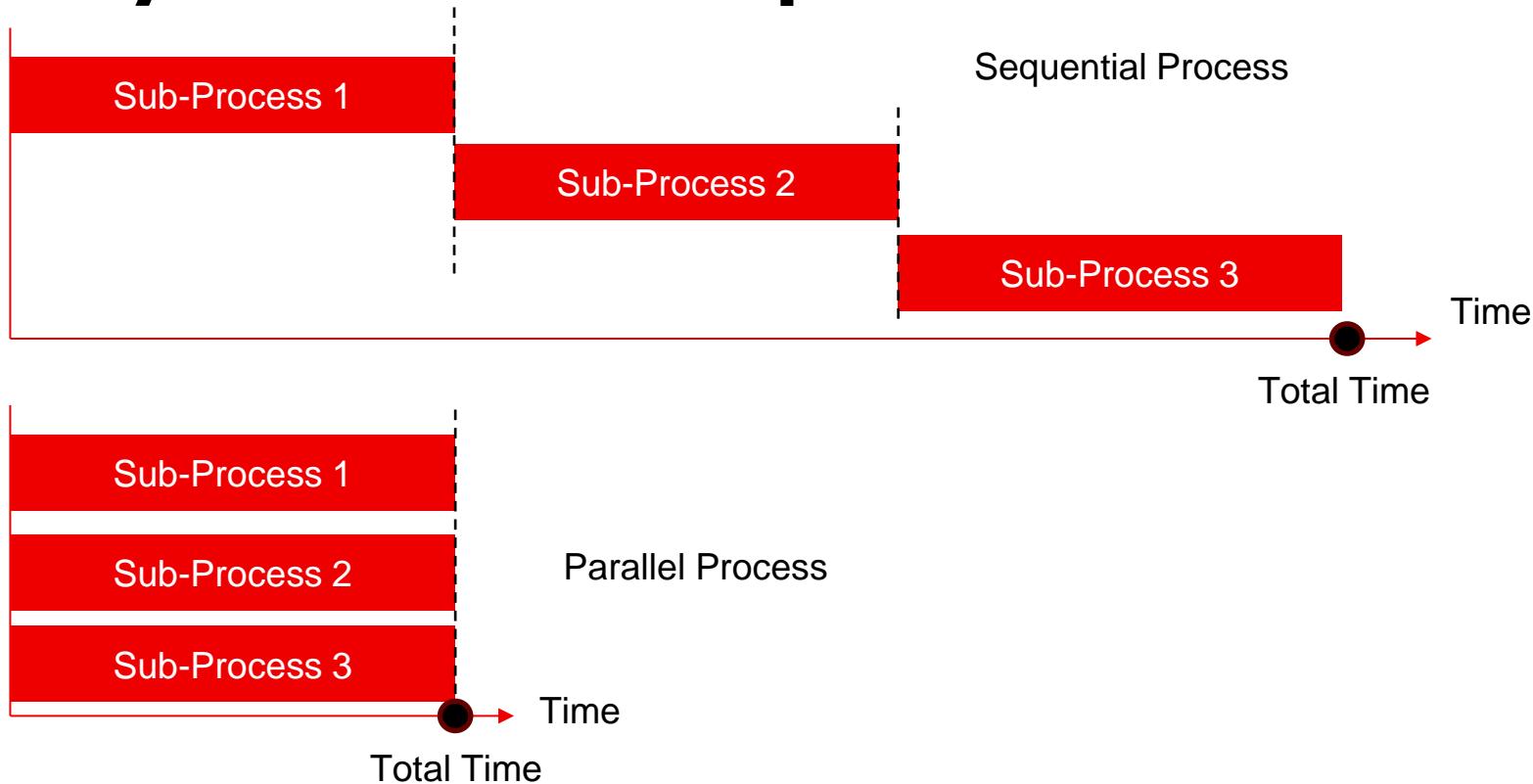


```
from crewai import Agent, Task, Crew,  
Process
```

```
crew = Crew(  
    agents=[planner, writer, editor],  
    tasks=[plan, write, edit],  
    verbose=2,  
    manager_llm=llm,  
    process= Process.hierarchical  
)
```



Asynchronous Operation



The background features a vibrant red-to-yellow gradient. Overlaid on this gradient are several semi-transparent, overlapping circles in shades of red, orange, and yellow, creating a dynamic, layered effect.

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