Nodes & Edges in LangGraph

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Nodes

In LangGraph, Nodes are the core functional units:

- ## Functionality:
  Each Node is a Python function that processes the current State and outputs an updated State.

- ## Execution:
  Nodes can run synchronously or asynchronously and are added to the graph using the add_node method.

- ## Special Nodes:
  Includes START and END Nodes to manage the flow of execution in the graph.

Edges

Edges define the routing logic in LangGraph:

- Types of Edges:
  - **Normal Edges:** Direct transitions from one Node to another.
  - **Conditional Edges:** Determine the next Node(s) to execute based on a function's output.
  - **Entry Points:** Specify which Node to invoke first based on user input.

- Parallel Execution:
  Multiple outgoing edges from a Node can trigger parallel execution of destination Nodes.

Analytics
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