FORM 07 OF 10 · MULTI-AGENT SYSTEMS

Agent pipeline

The builder fixes the order in advance. Each agent does its part and passes its output to the next. Stages can also run side by side and be combined.

NOT WHEN	USE IT WHEN
The right order depends on the case.	**The work has known stages that need different skills: extract, draft, check, assemble.**

IT NEEDS

A check on the output between stages, a stop when a stage fails, and a record that follows one item through every stage.

EXAMPLE

A tender response: one agent extracts the requirements, a second drafts answers from past bids, a third checks compliance, a fourth assembles the document.

BUILD IT ON KATONIC

01 New agent, **Automate a process**. Start blank, fill **Identity**, and choose a **Trigger** (Manual to begin with).

02 **Steps.** Add the stages in order: for example a Knowledge step to gather, an LLM step to draft, an LLM step to check.

03 **Branches & approvals. Add branch** to route on a value. **Add approval** to pause for a person: give it a label and the reviewers.

04 Switch to **Visual** in the header to see the same flow as a canvas. The node list adds an **Agent** node, “Hand this step to a specialist agent”, so a stage can be another agent.

05 **Guardrails.** Turn on the cost ceiling per run and, for write steps, **Require human-in-the-loop**.

06 **Test** the flow live and read the trace step by step. Then **Deploy** and **Publish**.

ALSO CALLED Sequential or parallel workflow, prompt chaining.

One of ten forms in “Types of AI agents”. KATONIC.AI/RESOURCES/WHITE-PAPERS/TYPES-OF-AI-AGENTS