

DropTicks AI Resource

Claude Skill: Data Pipeline Audit

Claude Skill

Skill for reviewing scheduled jobs, ETL/ELT dependencies, idempotency, retries, observability, and data freshness.

Builder notes

Purpose

â€¢ Skill for reviewing scheduled jobs, ETL/ELT dependencies, idempotency, retries, observability, and data freshness.

Recommended SKILL.md contents

â€¢ Trigger description explaining when Claude should use the skill.

â€¢ Step-by-step procedure for the workflow.

â€¢ Required checks before edits or publication.

â€¢ Verification command or manual acceptance checklist.

â€¢ Links to supporting examples, scripts, or templates when the workflow needs them.

Why use this

â€¢ Use this skill because it prevents quiet data failures in analytics and AI ingestion workflows.

â€¢ Skills load their full instructions only when used, which keeps normal session context smaller.

â€¢ A reusable 'SKILL.md' gives teams a versioned workflow instead of repeated ad hoc prompts.

Who can use this

â€¢ data engineers, backend teams, AI ingestion teams, and analytics engineers.

â€¢ Teams standardizing AI-assisted delivery across multiple repositories.

â€¢ Builders who want Claude to apply consistent procedures without repasting instructions.

Prerequisites

â€¢ pipeline DAG/jobs, data sources, expected freshness, retry policy, and downstream consumers.

â€¢ A skill directory such as '.claude/skills//SKILL.md' or '~/claude/skills//SKILL.md'.

â€¢ A concise frontmatter description so Claude can decide when to load the skill.

System requirements

â€¢ pipeline code/config access, scheduler logs, database/warehouse metadata, and safe data inspection policy.

â€¢ Claude Code skill support and access to the files or commands the workflow needs.
â€¢ Any external APIs, MCP servers, credentials, or local runtimes required by the specific workflow.

Source or reference link

<https://code.claude.com/docs/en/skills>

Web link

<https://www.dropticks.com/resources/claude-skill-data-pipeline-audit>

Related links

<https://code.claude.com/docs/en/skills>

<https://code.claude.com/docs/en/commands>

<https://code.claude.com/docs/en/hooks>

<https://code.claude.com/docs/en/mcp>