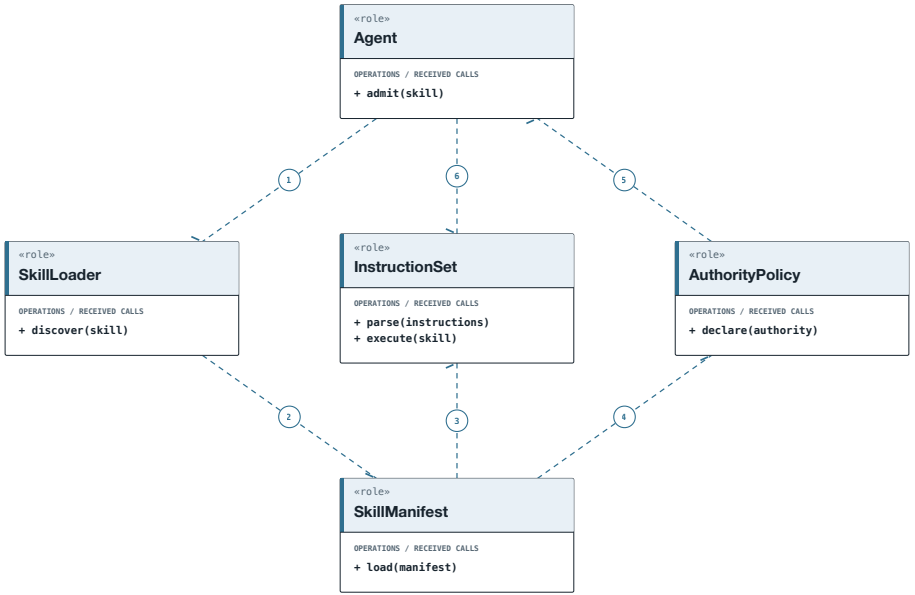
P15 Declarative skills

Primitive / UML CLASS VIEW / ANALYTICAL MODEL

Package reusable task procedures.

UML CLASS VIEW

dashed arrow: call dependency · brown: return/failure · analytical, not an observed trace



POINTCUT / PATTERN INTERFACE

CONTEXT	A harness can load task procedures from repository or user artifacts.
TRIGGER	A skill is discovered, selected, or invoked.
STRUCTURE	Manifest or skill file, provenance, resource bundle, loader, and execution boundary.
EFFECT	Instructions and resources become available with visible source and authority.

CONTRACT / REQUIRED BEHAVIOR

REQUIRES	Skill identity and source location are discoverable.
ENSURES	Loaded content is scoped to a run and stale or conflicting versions are detectable.
INVARIANT	Skill metadata cannot silently grant permissions or replace protected instructions.
VIOLATION	Missing, malformed, stale, or unauthorized skills fail explicitly.

RELATIONSHIPS / ANALYTICAL CALLS

number · caller → callee · message

1 Agent → SkillLoader discover(skill)
2 SkillLoader → SkillManifest load(manifest)
3 SkillManifest → InstructionSet parse(instructions)
4 SkillManifest → AuthorityPolicy declare(authority)
5 AuthorityPolicy → Agent admit(skill)
6 Agent → InstructionSet execute(skill)

VARIATION / TEST / NEGATIVE CONTROL

VARIATION	SKILL.md, plugin manifest, remote registry, and namespaced resources.
TEST_OBLIGATION	Test discovery, version collision, malformed manifest, and authority boundary.
NEGATIVE_CONTROL	A prompt template string without discovery or resource boundaries is not enough.