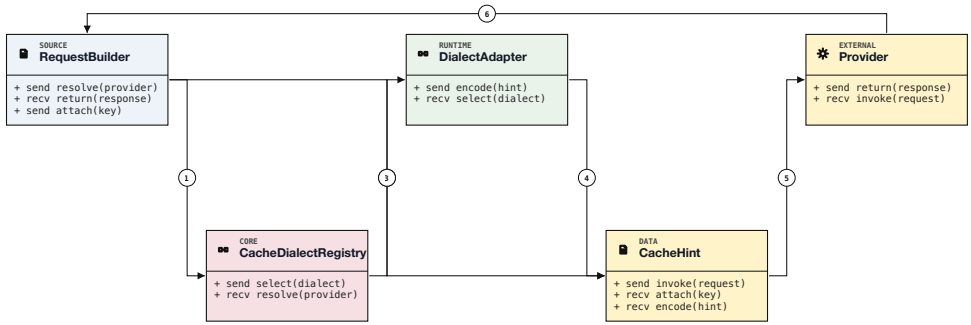
P07 Cache-dialect fanout

Primitive · A² A1 · bridge role collaboration

Adapt caching to provider-specific interfaces.

STRUCTURE · PARTICIPANT COLLABORATION



PATTERN INTERFACE

context
A request is built for a provider with cacheable context.

trigger
A cache key, hint, or control record is attached.

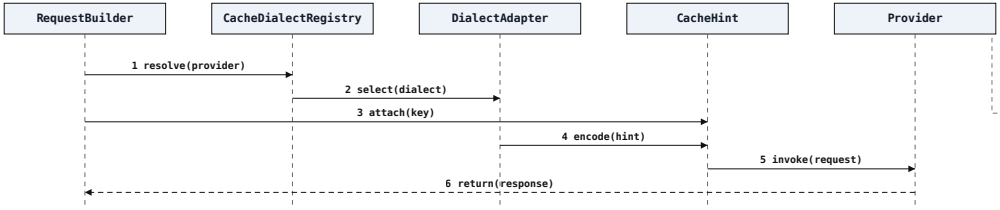
structure
Provider dialect adapter, cache identity, and response association.

effect
Compatible cache controls are encoded and unsupported controls are rejected or omitted.

CONTRACT ANNOTATIONS

requires	Provider capability and cache identity are known before dispatch.
ensures	Cache control maps to the request without changing semantic content.
invariant	Cache identity never crosses user, tenant, or incompatible provider boundaries.
violation	Unsupported or invalid hints degrade explicitly without silent semantic drift.

INTERACTION



MESSAGE TRACE `1 resolve(provider) → 2 select(dialect) → 3 attach(key) → 4 encode(hint) → 5 invoke(request) → 6 return(response)`

Evidence: 38/41 repositories, 34/36 families; 38 trajectories (18 multi-checkpoint); exact audit: not sampled.

Variation: Prompt cache keys, cache-control blocks, TTLs, and dialect adapters.

Negative control: A generic response cache is not provider-dialect cache control.