**04-03 Middleware Use Cases**

In BrainFrame, **Middleware** refers to the intelligent layer that bridges core frameworks (e.g. SelfFrame, Shadow Planner) with external tools, data sources, or AI models.

It acts as an integrative mesh — translating between systems, smoothing friction, and enabling context-aware interaction.

**Core Functions**

1. **Context Transfer**
   * Carries user state and focus across tools.
   * Example: From journaling app to meeting notes, with intentions preserved.
2. **Dynamic Framing**
   * Applies user-defined lenses (e.g. values, goals, tensions) to raw data or tasks.
   * Example: A to-do list re-ordered by alignment, not urgency.
3. **System Translation**
   * Bridges structured logic (e.g. Notion databases) with fluid prompts or reflections.
   * Example: Turn a content calendar into an insight prompt engine.
4. **Temporal Awareness**
   * Links time-based reflection (weekly reviews, project arcs) to daily action.
   * Example: Surface last month’s intention during this week’s planning.

**Use Case Categories**

* **Personal Systems Integration**
  + Connects BrainFrame to user calendars, docs, task managers.
* **Team Alignment Middleware**
  + Shared mental models across collaborators.
* **Adaptive AI Routing**
  + Chooses best AI mode (co-creator, summariser, challenger) based on current context.

Middleware is the nervous system of BrainFrame — invisible, adaptive, and vital to coherence.

It turns insight into flow.