

## 04-03 Middleware Use Cases

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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.