Session Continuity

A Conceptual Framework for Cross-Session Reasoning Continuity

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First public conceptual disclosure.

Abstract

Session Continuity refers to the requirement that an intelligent system preserve the coherence of its reasoning state across discrete interaction sessions. This document presents a conceptual framework defining Session Continuity as a necessary condition for advanced reasoning systems, independent of specific implementations or architectures.

1. Definition

Session Continuity is defined as the capacity of a reasoning system to maintain logical, contextual, and intentional coherence across session boundaries, such that reasoning does not restart when a session ends.

2. Scope

This framework applies to reasoning systems that operate over extended temporal horizons. It addresses continuity of intent, logical state, and conceptual identity across sessions. The framework is agnostic to memory mechanisms, storage models, or learning algorithms.

3. Non-Scope

This document does not specify implementation strategies, algorithms, data structures, or system architectures. It intentionally excludes optimization methods and performance benchmarks.

4. Relation to Prior Work

Session Continuity is distinct from traditional memory persistence and single-session reasoning. While mechanisms such as Reasoning State Transfer (RST) may enable Session Continuity, they represent implementations rather than the conceptual requirement itself.

5. Disclosure Statement

This document is published to establish prior art and authorship of the Session Continuity concept. No proprietary or implementation-specific details are disclosed. Subsequent uses of this concept should acknowledge this disclosure.