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What is bounded context



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A **bounded context** is a concept from Domain-Driven Design (DDD) that refers to a specific, defined boundary within which a particular model or domain logic applies. In simpler terms, it's a logical boundary within a system where a set of related concepts, behaviors, and rules are consistent and cohesive.

Each bounded context can have its own model of the domain, and these models may differ between contexts. This is especially useful in complex systems, where different parts of the system might understand or use the same concepts in different ways.

Key Points about Bounded Context:

- Isolation of Models: A bounded context isolates the domain model so that ambiguity is reduced. For example, the term "Order" in a sales context might mean something different than in a shipping context, and each would have its own bounded context.
- Clear Boundaries: Within a bounded context, concepts are well-defined and have clear boundaries. Outside of this context, the same terms may have different meanings.
- Communication Between Contexts: Since different bounded contexts can have their own models, communication between them is usually handled through welldefined interfaces or protocols like APIs.
- Autonomy: Each bounded context can evolve independently, allowing for easier maintenance and scaling.

Example:

In an e-commerce system:

• Sales Bounded Context: "Order" m. ... it represent a customer's purchase.

Message ChatGPT



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