

Commitment-Based Service-Oriented Architecture

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The paper start by discussing the commitments and the benefits of commitment-based SOA. The author further describes the commitment-based SOA patterns and life-cycle with a state chart. The paper then explains the **transactional patterns** and how business transactions are core of service engagement. The paper also describes the relationship involved among the parties in transaction followed by a discussion on structural patterns. Finally, the authors have concluded the discussion by providing three steps for applying the commitment-based SOA patterns in service engagement designing.

The author is successful in relating the transactional patterns for real life cases such as Relieve based on RosettaNet's Purchase Order Cancel (PIP3A9) and the MITPH's Notify, Update based on MITPH's Update and RosettaNet's Purchase Order Change (PIP3A8), and Retry based on MITPH Rework to retry a failed task. The author describes two important transactional patterns - **Commit** and **Compensate** with their attributes. Although the paper discusses many concepts thoroughly, it is very theoretical. Also, paper doesn't provide any analytical analysis of the commitment-based SOA benefits, patterns and styles. For e.g. the paper would have been more informative if the could have provided some quantitative data related to transactional and structural patterns.

Commitments provide a clear and concise boundaries at which to compose the service-engagements. For e.g. we can specify an alternative service engagement that employs independent delivery and payment services. In my view, the paper would have been more elegant if they would have taken some business problems familiar to the insurance industry, and helped solve each using commitment-based SOA.