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Implementing Dynamic Routing with Codelist in Sterling Integrator:
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Abstract

Dynamic routing in enterprise integration platforms has become essential in enabling agility, scalability, and resilience in modern digital ecosystems. IBM Sterling Integrator, widely used for B2B and supply chain integration, relies on flexible routing strategies to ensure efficient partner communication and compliance with evolving business requirements. Yet, current implementations often depend on static configurations that are difficult to maintain and prone to misrouting, highlighting a pressing need for more adaptive solutions. Existing research on Industry 4.0 and intelligent process modeling emphasizes the importance of adaptability and governance, but there is limited

practical guidance on applying these concepts to enterprise integration. This gap restricts organizations from fully leveraging rule-driven routing for real-time decision-making. The aim of this research is to explore how codelist-driven dynamic routing