

## ABSTRACT

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*The objective of this project is to create an appropriate REST API policy for PT Bank Permata Tbk mortgage banking services. To this goal, Axway Policy Studio will be used to combine REST APIs and SOAP APIs. To manage the API lifecycle thoroughly, the project uses the API Gateway Management platform to deal with increasing API management, security, and performance issues. The development process used is the modified SDLC Waterfall. Initiation stages, system design, implementation, integration, testing, and maintenance are all parts of this development method. Although the backend uses the SOAP API, the mortgage API can be easily used by the client. Conversions between REST/JSON and SOAP/XML run well, ensuring that the mortgage API operates well according to the requirements and established security standards.*

*Keywords:* APIs, API Gateway management, API Policy, Axway Policy Studio