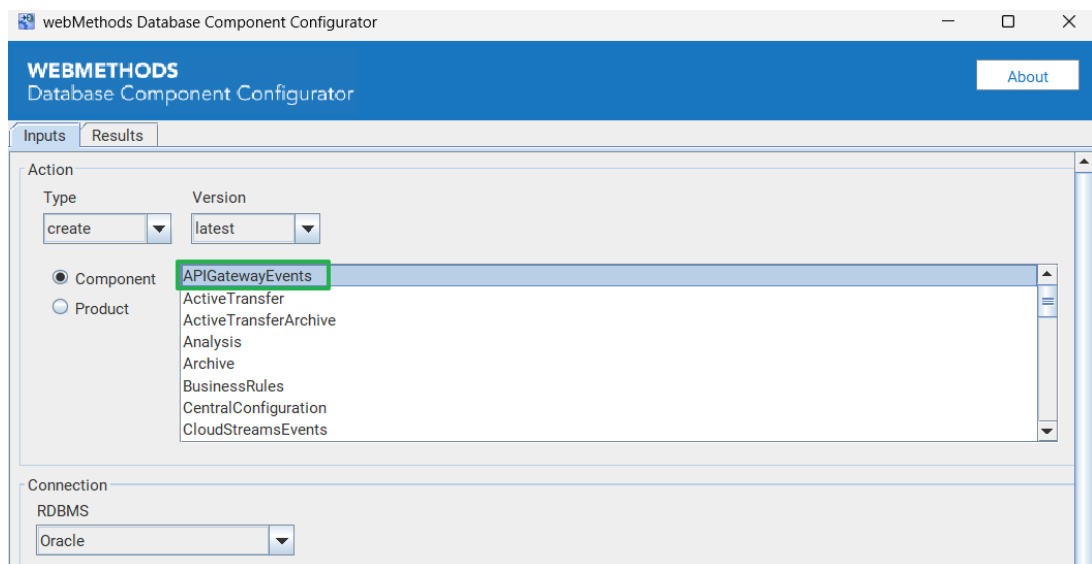




# [webMethods] API Gateway Transactional Events

## 테스트 환경 구성

- API Gateway 10.15 - Oracle 18c XE
- Audit DB 테이블 생성 (Database Component Configurator 사용)



- API Gateway (Integration Server) - JDBC Pool 설정

Administration > JDBC pools

default : 192.168.1.35 : Administrat

## JDBC pools

Functional Alias Definitions									
Function Name	Associated Pool Alias	Edit Function	Test	Restart Function	Function Description	Min Connections	Max Connections	Total Connections	Available Connections
APIGateway	local_oracle	Edit	▶	Restart	APIGateway events	0	100	1	1
Adapters		Edit	▶	Restart	Adapters Function				
Archiving		Edit	▶	Restart	Schema for archiving data from the Process Audit and IS Core Audit schemas				
CentralUsers		Edit	▶	Restart	Central User Management Configuration				
DocumentHistory		Edit	▶	Restart	Document History for Exactly Once Processing				
ISCoreAudit		Edit	▶	Restart	IS Core Audit Log Manager Function				
ISDashboardStats	local_oracle	Edit	▶	Restart	For internal use by IS Data Statistics	0	100	4	4
ISInternal	local_oracle	Edit	▶	Restart	For internal use by IS facilities	0	100	1	1
ProcessAudit		Edit	▶	Restart	Process Audit Log Manager Function				
ProcessEngine		Edit	▶	Restart	Schema for Process Engine				
Reporting		Edit	▶	Restart	Analytical schema for Process Reporting				
Staging		Edit	▶	Restart	Intermediate schema for Process Reporting				
TN		Edit	▶	Restart	Trading Networks Function				
Xref	local_oracle	Edit	▶	Restart	Key Cross Referencing and Echo Suppression	0	100	1	1

- Audit DB 연결 - APIGateway

- APIs > Policy > Log Invocation (Transactional Logging) 설정

Home > APIs > TEST\_API\_1

TEST\_API\_1  
View API details, basic and technical information, resources and methods available, and API specifications.

API details Scopes Policies Mashups Applications Packages Analytics Tracer

Policy catalog

- Threat protection
- Transport
- Identify & Access
- Request Processing
- Routing
- Traffic Monitoring
  - Log Invocation
  - Monitor Performance
  - Monitor SLA
  - Traffic Optimization
  - Service Result Cache
- Response Processing

Policy properties

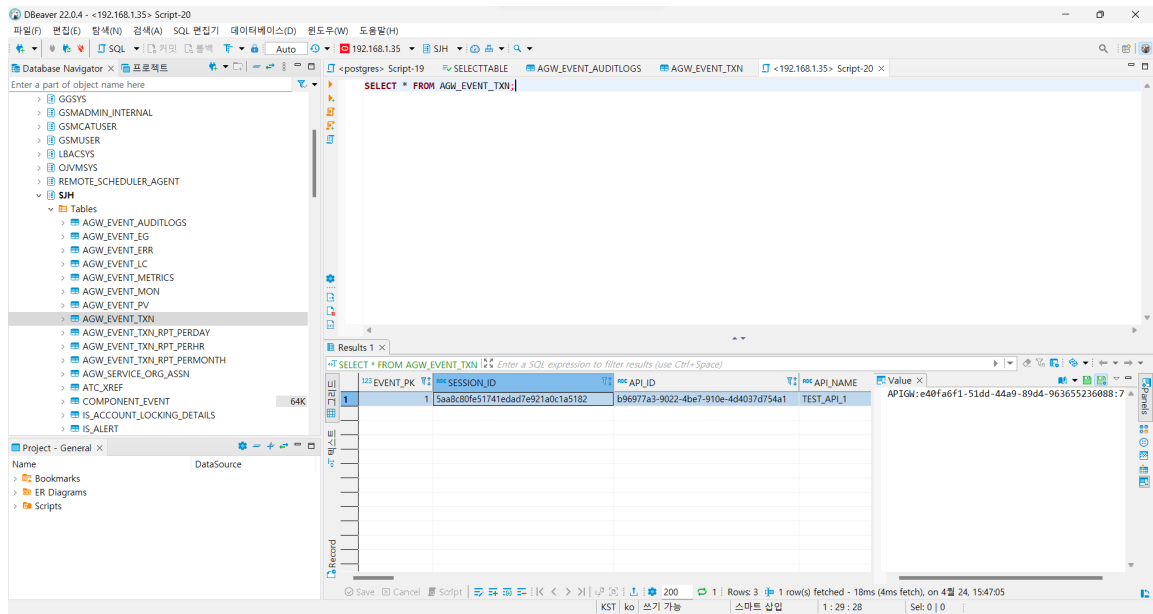
Log Invocation

- Store Request Headers: True
- Store Request Payload: True
- Store Response Headers: True
- Store Response Payload: True
- Compress Payload Data: False
- Log Generation Frequency: Always
- Destinations
  - API Gateway
    - JDBC

Save as template Overview

- Log Invocation 설정 시 Destinations 에 JDBC 설정 필요

- 저장 된 거래로그 확인 (AGW\_EVENT\_TXN 테이블) - DBeaver





## 결과 분석

### AGW EVENT TXN 테이블 컬럼 상세 (SAG Document 참고)

또는 APIGatewayTransactionalEvent.json 참고

```
APIGatewayTransactionalEvent.json
424 planName : {
425   "type" : "string",
426   "description" : "Plan name"
427 }
428 providerTime : {
429   "type" : "integer",
430   "format" : "int64",
431   "description" : "Time taken by the native provider for processing the request"
432 }
433 queryParameters : {
434   "type" : "object",
435   "description" : "Incoming query parameters",
436   "additionalProperties" : {
437     "type" : "string"
438   }
439 }
440 reqPayload : {
441   "type" : "string",
442   "description" : "The complete request payload"
443 }
444 requestHeaders : {
445   "type" : "object",
446   "description" : "Incoming request headers",
447   "additionalProperties" : {
448     "type" : "string"
449   }
450 }
451 resPayload : {
452   "type" : "string",
453   "description" : "The complete response payload"
454 }
455 responseCode : {
456   "type" : "string",
457   "description" : "Response status code"
458 }
459 responseHeaders : {
460   "type" : "object",
```

### ※ 분석 자료 다운 (Excel)

[https://s3-us-west-2.amazonaws.com/secure.notion-static.com/f5bff22c-7c5f-48c9-9176-51dd7f9f3bcd/AGW\\_EVENT\\_TXN\\_%EB%B6%84%EC%84%9D.xlsx](https://s3-us-west-2.amazonaws.com/secure.notion-static.com/f5bff22c-7c5f-48c9-9176-51dd7f9f3bcd/AGW_EVENT_TXN_%EB%B6%84%EC%84%9D.xlsx)