Fraud Model (Capability)

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1. Role Definition



Analyze history of transactions and fraud cases to discern fraud patterns and develop Rule sets, Decision Trees, and Machine Learning/Predictive models to identify out of pattern transactions or events and their fraud risk score. Support the use of these models and rules in different production contexts and refine the models in response to new and changing patterns

2. Example of Use



A customer "fraudulent card use' algorithm is updated to take account of additional transaction utilization data that is available

3. Executive Summary



This service domain handles the design and maintenance of a portfolio of fraud models used across all production activity to detect potential fraud on the part of customers, merchants and other involved parties

4. Key Features



Determine desired type/coverage for fraud analysis

Source, define and develop fraud models

Publish, process feedback and refine/tune models

Documentation

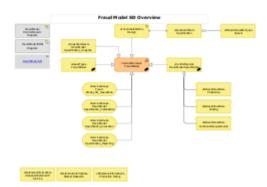


Properties		
Property	Value	
Service Domai	n	
API BIAN Portal	Fraud Model API (https://app.swaggerhub.com/apis/BIAN-3/FraudModel/12.0.0)	
Core Business Object	Fraud Model (object_25.html?object=28769)	
Individual Analytics	fraudModelSpecificationAccumulators fraudModelSpecificationActivityAnalysis fraudModelSpecificationPerformanceAnalysis fraudModelSpecificationTrends&Events	
Portfolio Analytics	fraudModelSpecificationPortfolioActivityAnalysis fraudModelSpecificationPortfolioMake-UpAnalysis fraudModelSpecificationPortfolioPerformanceAnalysis	
Scenarios	Process Card Clearing by Issuer (views/view_55194.html)	
Service Role	Develop and maintain a portfolio of fraud detection models and scanners. Support the use of these models in different production contexts and refine the models in response to new and changing exposures	
BIAN Life Cycl	e	
Registration Status	Registered	
Stereotypes		
stereotype		
	ServiceDomain	

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(views/view_51348.html)



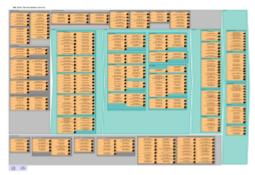
Fraud Model SD Overview

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BIAN Service Landscape V12.0 Matrix Vi...

(views/view_51705.html)



BIAN Service Landscape V12.0 Value Ch...

Relations

aggregated by	Models (object_25.html?object=130273) Wave 2 (object_25.html?object=153742) Models And Analytics (object_25.html?object=172124)
gets input from	Fraud Evaluation (object_22.html?object=39639)
is equal to	Fraud Model (object_37.html?object=41043)
is part of	Models (object_25.html?object=130273)

realized by	Fraud Model Specification_ Analytics Object (object_25.html?object=111162)
	Fraud Model_SD_Operations (object_18.html?object=117538)
	Fraud Model Specification_Instantiation (object_17.html?object=117543)
	Fraud Model Specification_Reporting (object_17.html?object=117549)
	Fraud Model Specification_Invocation (object_17.html?object=117551)
	Fraud Model_SD_Service Group (object_18.html?object=239018)
	Up BQ Update user testing content (object_12.html?object=29161)
	Ec BQ accept or reject requirements for a fraud model (object_12.html?object=29253)
	Rq BQ Request production support for a deployed model (object_13.html?object=30378)
	Fraud Model Specification (object_24.html?object=30454)
	Cr CR Create or register an imported fraud model (object_13.html?object=30994)
	Ex CR Automatically download a fraud model (object_13.html?object=31125)
	Fraud Model (object_23.html?object=32219)
	Up BQ Update the requirements or other properties of a model (object_13.html?
	object=34135)
	Ca BQ Capture usage reports for a fraud model (object_14.html?object=35146)
	Rq BQ Request changes or improvements to a model (object_15.html?object=39824)
	Re CR Retrieve details about a fraud model (object_15.html?object=40773)
	Re BQ Retrieve details and documentation covering model production deployment
	(object_15.html?object=40808)
	Re BQ Retrieve details and testing results (object_12.html?object=42601)
	Ex BQ Get automated support for model deployment (object_16.html?object=43117)
	Ec BQ Accept or reject testing results (object_16.html?object=43294)
	Re BQ Retrieve details about the model specification and properties (object_16.html?
	object=43891)
	Rq CR Request the use of a fraud model (object_16.html?object=44081)
	Design (object_28.html?object=58118)
serves	Fraud Incident Management (object_6.html?object=130709)
triggered by	Fraud Evaluation (object_22.html?object=39639)