# Program Trading (Capability)

## 1. Role Definition

Program trading covers a broad range of market trading activities, where the trading rules policies driving the trading decisions are automated, likely with some level of human monitoring/oversight as appropriate. This generic Service Domain is intended to support any form of program trading. In practice a bank may find it necessary to 'clone and specialize' the service domain to support different type of program trading it may employ as necessary.

## 2. Example of Use

A bank operates a program trading facility to rebalance some of its managed customer investment portfolios

## 3. Executive Summary

This Service Domain supports a program trading capability where the trading decisions are made based on predefined/programmed rules and policies. Manual oversight and monitoring capabilities are supported as appropriate

# 4. Key Features ⌃

Support the set-up and maintenance of a portfolio of traded securities

Support the definition and update of automated trading rules and policies

Support the capture and tracking of market information to trigger trading

Support manual oversight and monitoring of automated trading activity

Support the automated execution of market trades

# Documentation ⌃

# Properties ⌃

| Property | Value |
| --- | --- |
| **Service Domain** | |
| API BIAN Portal | Program Trading API (https://app.swaggerhub.com/apis/BIAN-3/ProgramTrading/12.0.0) |
| Individual Analytics | programTradingOperatingSessionAccumulators programTradingOperatingSessionActivityAnalysis programTradingOperatingSessionPerformanceAnalysis programTradingOperatingSessionTrends&Events |
| Portfolio Analytics | programTradingOperatingSessionPortfolioActivityAnalysis programTradingOperatingSessionPortfolioMake-UpAnalysis programTradingOperatingSessionPortfolioPerformanceAnalysis |
| Scenarios | |
| Service Role | Automated trading of selected structured positions |
| **BIAN Life Cycle** | |
| Registration Status | Registered |
| **Stereotypes** | |
| stereotype | ServiceDomain |

# Appears on ⌃

Program Trading SD Overview
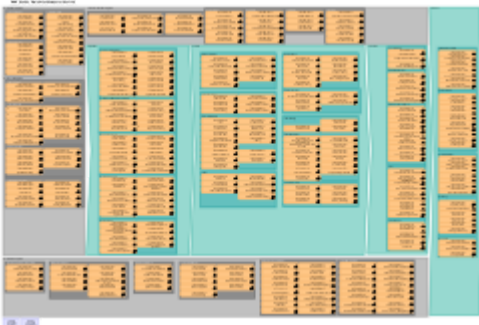
BIAN Service Landscape V12.0 Value Ch…

BIAN Service Landscape V12.0 Matrix Vi…

# Relations ⌃

| aggregated by | Wave 6 (object_25.html?object=153745) |
| --- | --- |
| | Market Trading (object_25.html?object=171971) |
| is equal to | Program Trading (object_36.html?object=31693) |
| is part of | Wholesale Trading (object_25.html?object=130198) |

**realized by**

- Program Trading Operating Session_ Analytics Object (object_25.html?object=111357)
- Program Trading (object_24.html?object=132240)
- Program Trading Operating Session_Reporting (object_18.html?object=218426)
- Program Trading Operating Session_Instantiation (object_18.html?object=218439)
- Program Trading Operating Session_Invocation (object_18.html?object=218441)
- Program Trading_SD_Operations (object_18.html?object=218446)
- request Program Trading Operating Session (object_17.html?object=238166)
- Program Trading_SD_Service Group (object_18.html?object=238920)
- configure Program Trading Operating Session (object_19.html?object=240726)
- execute Program Trading Operating Session (object_19.html?object=240760)
- Program Trading Operating Session_Invocation (object_19.html?object=241222)
- Program Trading Operating Session_Instantiation (object_19.html?object=242257)
- notify Program Trading Operating Session (object_19.html?object=242788)
- Program Trading Operating Session_Reporting (object_20.html?object=244161)
- record Program Trading Operating Session (object_20.html?object=244789)
- terminate Program Trading Operating Session (object_20.html?object=245139)
- retrieve Program Trading Operating Session (object_20.html?object=245680)
- Update Program Trading Operating Session (object_12.html?object=28787)
- Execute Program Trade Execution Function (object_12.html?object=29940)
- Initiate Program Traded Portfolio Algorithm Function (object_12.html?object=30015)
- Request Program Trading Operating Session (object_12.html?object=33297)
- Exchange Program Traded Portfolio Algorithm Function (object_13.html?object=33963)
- Execute Program Traded Portfolio Algorithm Function (object_13.html?object=34108)
- Update Program Traded Portfolio Maintenance Function (object_13.html?object=34218)
- Retrieve Program Traded Portfolio Maintenance Function (object_13.html?object=34260)
- Execute Program Trading Operating Session (object_14.html?object=34768)
- Retrieve Program Trading Operating Session (object_14.html?object=35331)
- Control Program Trading Operating Session (object_14.html?object=36059)
- Program Trading Operating Session (object_24.html?object=36071)
- Update Program Trade Execution Function (object_14.html?object=36680)
- Exchange Program Trading Operating Session (object_15.html?object=39492)
- Notify Program Traded Portfolio Algorithm Function (object_15.html?object=39734)
- Update Program Traded Portfolio Algorithm Function (object_15.html?object=39947)
- Request Program Traded Portfolio Algorithm Function (object_15.html?object=40027)
- Exchange Program Traded Portfolio Maintenance Function (object_15.html?object=40415)
- Initiate Program Trade Execution Function (object_15.html?object=40652)
- Request Program Trade Execution Function (object_15.html?object=40799)
- Request Program Traded Portfolio Maintenance Function (object_15.html?object=41225)
- Notify Program Traded Portfolio Maintenance Function (object_15.html?object=41518)
- Retrieve Program Trade Execution Function (object_12.html?object=42147)

Initiate Program Traded Portfolio Maintenance Function (object_12.html?object=42592)

Exchange Program Trade Execution Function (object_15.html?object=42861)

Initiate Program Trading Operating Session (object_16.html?object=43388)

Execute Program Traded Portfolio Maintenance Function (object_16.html?object=43458)

Notify Program Trading Operating Session (object_16.html?object=46581)

Notify Program Trade Execution Function (object_17.html?object=48485)

Retrieve Program Traded Portfolio Algorithm Function (object_17.html?object=48632)

Operate (object_28.html?object=58128)

| serves | Order Management (object_6.html?object=130800) |
| --- | --- |