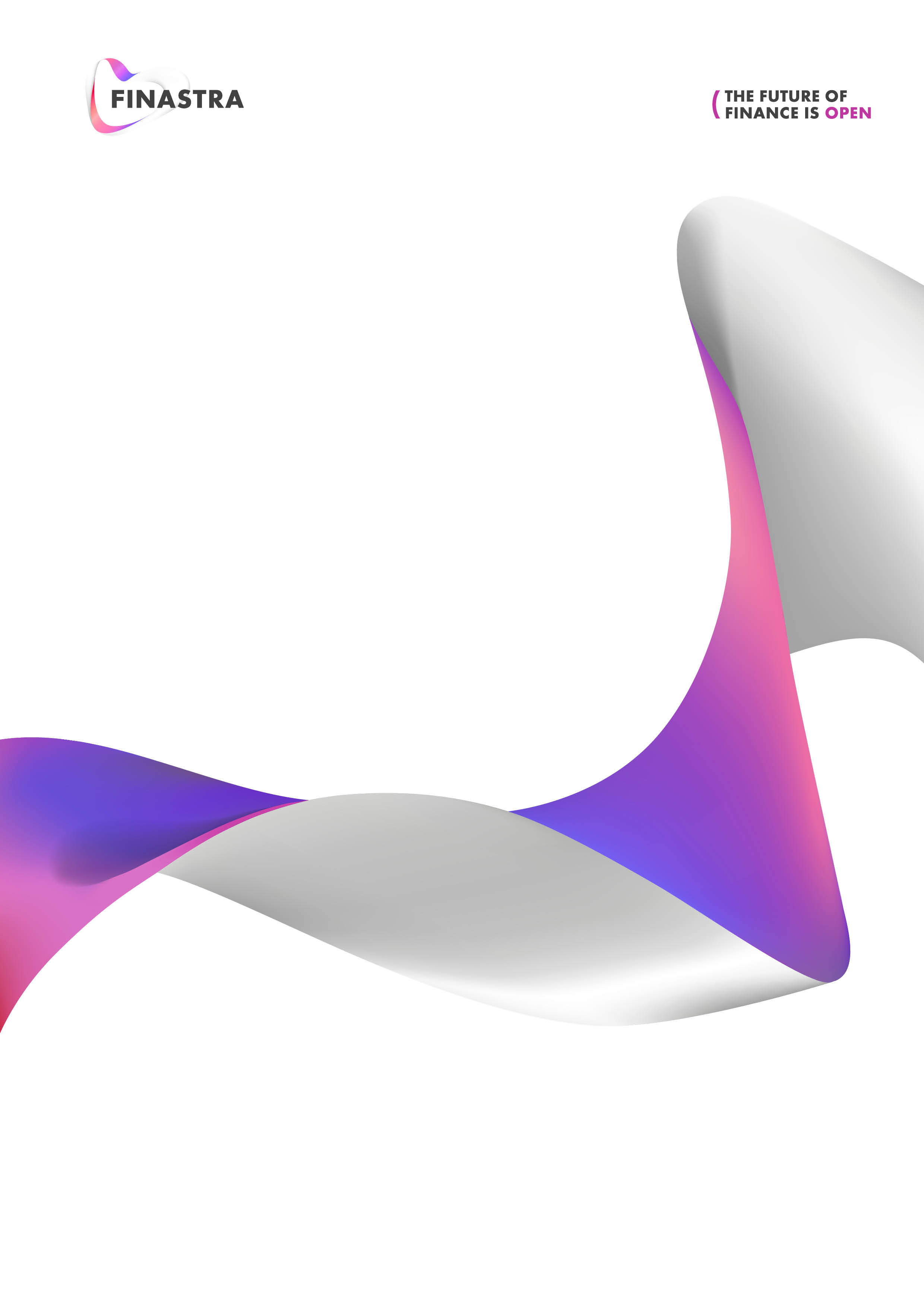
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| Beji, Hichem  October 16, 2017 |



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| FusionInvest |
| Fully Executed Kernel Action |
| Toolkit Team |

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Purpose

The purpose of this document is to specify the technical requirements for a development that allows to successfully activate ‘deal aggregation’ and ‘deal allocation’ in Sophis Fusion Invest.

Document Control

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| --- | --- | --- | --- |
| Date | Version | Author | Comments |
| 09/10/2017 | 1.0 | Finastra | Document Creation |

Fully Executed Kernel Action

A toolkit development creates a new ‘Kernel Action’ named FullyExecutedAction.

This action is selected on the BackOffice transition Checked FO to Checked FO via MO Creation.

When the FullyExecutedAction is run, the code checks if the trade is fully executed or not.

To do so it uses the SQL request:

select islast from EXTERNAL\_EXECUTIONS where pk\_sophisexecid in (select SOPHISEXECID from EXTERNAL\_EXECUTIONS\_TO\_TRADES where tradeid =  YourTradeId)

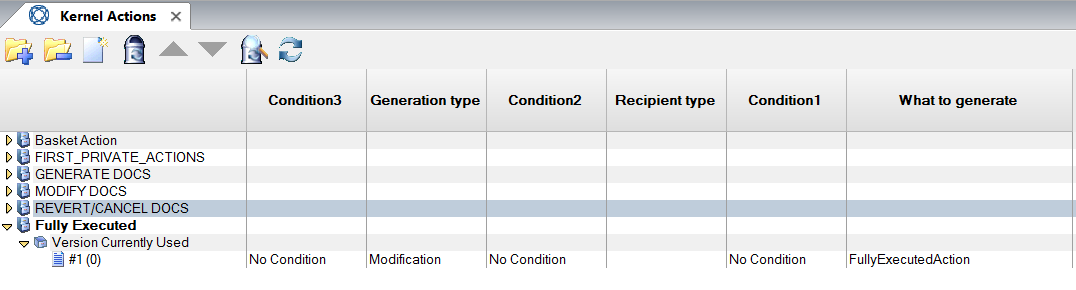
If the trade is fully executed, then a new workflow transition is run on the trade:

Checked FM to Checked FM via Fully Executed event (the name of the event is a configuration).

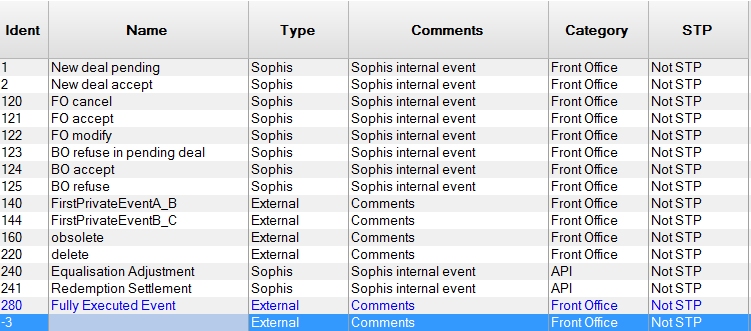
BackOffice Setup modifications

Configuration should include :

* One kernel action that generates our FullyExecutedAction



* Adding a Kernel Event (let’s say **Fully Executed Event**) that will be targeted by the Kernel Action.



* Two workflow transitions in Back Office parameters :
  + First transition is the initial one (Checked FM to Checked FM via MO Creation in our example). Which target the Kernel action “Fully Executed”.
  + Second Transition which will be called via the toolkit and having **the Fully Executed Event** as the event name



* This Event “Fully Executed Event” in the example is configured via the config file :

<add Section="MEDIO\_BACKOFFICE\_DEALACTION" Entry="AfterFinalExecution\_EventName" Value="FullyExecuted " />



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