CLAIMS

1. A method for synchronizing data between data sources, comprising:
generating a synchronization task configuration file for a synchronization framework, comprising including information about one or more filtering conditions into the synchronization task configuration file which causes the synchronization framework to filter data in accordance with the one or more filtering conditions when performing a synchronization task in accordance with the synchronization task configuration file; and
controlling the synchronization framework to perform a synchronization task between a first data source and a second data source in accordance with the synchronization task configuration file;
wherein filtering data in accordance with the one or more filtering conditions comprising checking whether the one or more filtering conditions are fulfilled by the data and performing a filtering action if the data fulfils the one or more filtering conditions
wherein the one or more filtering conditions comprise a filtering condition which is fulfilled by a data field if the value of the data filed has a value in a set of enumerated values or in a range of values.

2. The method of claim 1, wherein the data comprises multiple data units and filtering data in accordance with the one or more filtering conditions comprising checking, for each data unit of the data, whether the one or more filtering conditions are fulfilled by the data unit and filtering out the data unit if the data unit fulfils the one or more filtering conditions.

3. The method of claim 2, wherein the synchronization task is a transmission of data from the first data source to the second data source and filtering out the data unit comprises omitting transmitting the data unit to the second data source.

4. The method of claim 2 or 3, wherein each data unit comprises a plurality of data fields and wherein checking whether the one or more filtering conditions are fulfilled by the

data unit comprises checking whether ~~a~~ the data field of the data unit fulfils the one or more filtering conditions.

~~5. The method of any one of claims 1 to 4, wherein the one or more filtering conditions comprise a filtering condition which is fulfilled by a data field if the value of the data filed has a value in a set of enumerated values or in a range of values.~~

~~6~~5. The method of any one of claims 1 to ~~5~~4, comprising including a filter type of one or more filtering conditions into the synchronization task configuration file which causes the synchronization framework to filter data in accordance with the filter type when performing a synchronization task in accordance with the synchronization task configuration file.

~~7~~6. The method of claim ~~6~~5, wherein the filter type is an enumerated type or a range type.

~~8~~7. The method of any one of claims 1 to ~~7~~6, wherein the one or more filtering conditions are filtering conditions according to one or more quality criteria.

~~9~~8. The method of claim ~~8~~7, wherein the one or more quality criteria include one or more of: a criterion which is violated if the data is erroneous, a criterion which is violated if the data is redundant, a criterion which is violated if the data is incomplete and a criterion which is violated if the data is inaccurate.

~~10~~9. The method of any one of claims 1 to ~~9~~8, further comprising providing the synchronization framework with a filter for filtering data in accordance with the one or more filtering conditions.

~~11~~10. The method of any one of claims 1 to ~~10~~9, wherein the synchronization framework parses the configuration file to determine the one or more filtering criteria.

~~12~~11. The method of any one of claims 1 to ~~11~~10, wherein the synchronization framework parses the data to determine one or more data fields for which to check whether the one or more filtering criteria are fulfilled.

~~13~~12. The method of any one of claims 1 to ~~12~~11, wherein the synchronization framework is FlinkX.

~~14~~13. The method of any one of claims 1 to ~~13~~12, wherein the first data source is implemented as one or more Kafka brokers.

~~15~~14. The method of any one of claims 1 to ~~14~~13, comprising generating the synchronization task configuration file in JSON format.

~~16~~15. The method of any one of claims 1 to ~~15~~14, wherein generating a synchronization task configuration file comprises presenting a user with a graphical user interface to input the one or more filtering conditions and including information about one or more filtering conditions into the synchronization task configuration file according to user input.

~~17~~16. A data synchronization device comprising a communication interface, a memory interface and a processing unit configured to perform the method of any one of claims 1 to ~~16~~15.

~~18~~17. A computer program element comprising program instructions, which, when executed by one or more processors, cause the one or more processors to perform the method of any one of claims 1 to ~~16~~15.

~~19~~18. A computer-readable medium comprising program instructions, which, when executed by one or more processors, cause the one or more processors to perform the method of any one of claims 1 to ~~16~~15.