CLAIMS

1. A method for synchronizing data between data sources, comprising:
generating a synchronization task configuration file for a synchronization framework, comprising including values of configuration parameters from which a distribution rule is derivable which specifies how data from a first data source should be distributed to components of a second data source; 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 the synchronization framework derives the distribution rule and distributes data to the components of the second data source in accordance with the distribution rule,
wherein the values of the configuration parameters specify one or more data fields of the data depending on which, according to the distribution rule, the data should be distributed to the components of the second data source,
wherein the data comprises a plurality of data units according to a predefined data unit format and wherein the values of the configuration parameters specify the one or more data fields by specifying one or more positions within the predefined data unit format,
wherein the data unit format is a database table row.

~~2. The method of claim 1, wherein the data comprises a plurality of data units according to a predefined data unit format and wherein the values of the configuration parameters specify the one or more data fields by specifying one or more positions within the predefined data unit format.~~

~~3. The method of claim 2, wherein the data unit format is a database table row.~~

4~~2~~. The method of ~~any one of~~ claim~~s~~ 1 ~~to 3~~, wherein the synchronization framework parses the data to determine the values of the one or more data fields and distributes the data according to the values.

~~5~~3. The method of any one of claims 1 to 2~~4~~, wherein the data comprises a plurality of data units and distributing the data to the components of the second data source in accordance with the distribution rule comprises determining, for each data unit, one of the components of the second data source to which the data unit should be distributed and storing the data unit in the determined component.

~~6~~4. The method of claim ~~5~~3, wherein the values of the configuration parameters specify one or more data fields of the data unit depending on which the data should be distributed to the components of the second data source and wherein determining, for the data unit, the component of the second data source to which the data unit should be distributed comprises determining the value or values of the one or more data fields of the data unit and determining the component of the second data source to which the data unit should be distributed in accordance with the determined value or values.

~~7~~5. The method of any one of claims 1 to ~~6~~4, wherein the components of the second data source comprise data bases of the second data source.

~~8~~6. The method of claim ~~7~~5, wherein the data bases are relational data bases.

~~9~~7. The method of any one of claims 1 to ~~8~~6, wherein the components of the second data source comprise data base tables of the second data source.

~~10~~8. The method of any one of claims 1 to ~~9~~7, wherein the data comprises a plurality of data units and distributing the data to the components of the second data source in accordance with the distribution rule comprises determining, for each data unit, a data base of the second data source and a data base table of the second data source and storing the data unit in the determined data base table of the determined data base.

~~11~~9. The method of claim ~~10~~8, wherein determining the data base comprises identifying one or more first fields of the data unit whose value or values specify the data base in which the data unit should be stored and determining the data base according to the

value or values of the first field and the distribution rule and wherein determining the data base table comprises identifying one or more second fields of the data unit whose value or values specify the data base table in which the data unit should be stored and determining the data base table according to the value and values of the second field and the distribution rule.

~~12~~10. The method of claim ~~11~~9, wherein the value of one of the first fields specifies a country and the value of one of the second fields specifies a time.

~~13~~11. The method of claim ~~11~~ 9 or ~~12~~10, wherein the configuration parameters comprise one or more first configuration parameters which specify, for each data unit, the one or more first fields of the data unit and comprises one or more second configuration parameters which specify, for each data unit, the one or more second fields of the data unit and wherein the synchronization framework identifies the one or more first fields according to the one or more first configuration parameters and identifies the one or more second fields according to the one or more second configuration parameters.

~~14~~12. The method of claim ~~13~~11, wherein the one or more second configuration parameters specify a field of the data unit and intervals, wherein the interval of the intervals in which the value of the field of the data unit lies gives the database table in which the data unit should be stored.

~~15~~13. The method of any one of claims 1 to ~~12~~11, wherein the synchronization framework is FlinkX.

~~16~~14. The method of any one of claims 1 to ~~15~~13, wherein generating a synchronization task configuration file comprises presenting a user with a graphical user interface to input information about the distribution rule and setting the values of the configuration parameters according to user input.

~~17~~15. 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~~14.

~~18~~16. 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~~14.

~~19~~17. 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~~14.