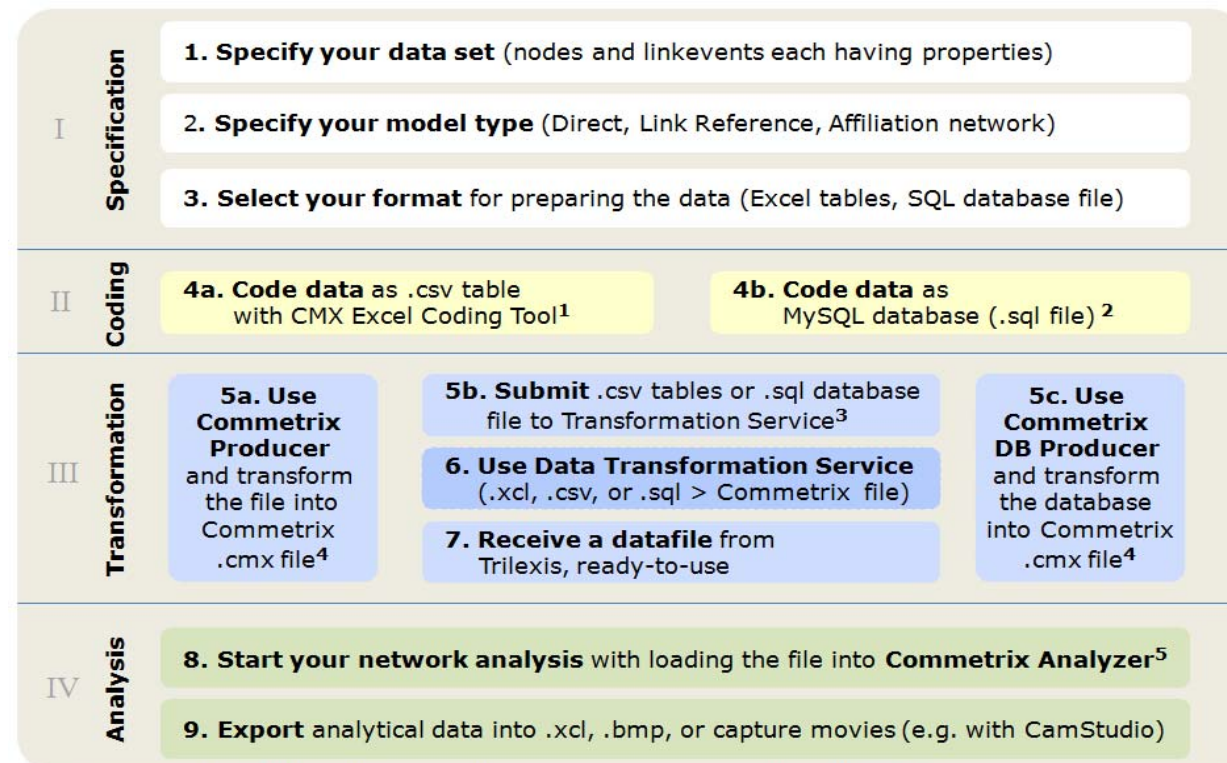


## Towards your own data set – Process



### A TRILEXIS PRODUCT

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- Footnotes:
- 1 Available online at: [http://www.commetrix.de/trial/CMX-Coding-Tables\\_Master.zip](http://www.commetrix.de/trial/CMX-Coding-Tables_Master.zip)
  - 2 Specification available online in the documentation of producer (data model manual) at <http://www.commetrix.de/trial/CMXProducer-pw.zip> (password cmxp)
  - 3 E.g. per E-Mail to [info@trilexis.com](mailto:info@trilexis.com), per Dropbox invitation to [info@trilexis.com](mailto:info@trilexis.com), per ftp
  - 4 Trial version available at <http://www.commetrix.de/trial/CMXProducer-pw.zip> (password cmxp), Trial Limitation = limited linkevents are transformed, suitable for technical evaluation only.
  - 5 Trial version available at <http://www.commetrix.de/trial/CMXAnalyzer.zip>, license activation via e-mail, Trial Limitation = expires after 30 days

Commetrix is a tool for visualization and evaluation of a wide range of relationship networks.

The following procedure allows you to analyze your own data.

#### 1 Specify your data set.

Identify nodes and link events, as well as attributes of both. Node properties can be a unique name, an alias name, and up to three variables, which can be descriptions (or nominal attributes like types, e.g. „Europe“), or numbers, decode ordinal variables as numbers (e.g. low = 1, high = 2). Linkevent properties can be a date, a subject, a content text, and up to 5 variables, which can be descriptions (or nominal attributes like types, e.g. „Europe“), or numbers, decode ordinal variables as numbers (e.g. low = 1, high = 2).

#### 2 Specify your model type.

Define whether you have a data source where node 1 directly links with 2 (Direct Network), or where a linkevent A of node 1 references a (previous) linkevent B of node 2 (Type Link Reference). If nodes 1 and 2 are linked through co-participation in an event (called co-affiliation or co-citation network) this is modeled as a direct network (without a sending nodes, only receiving nodes). →

### 3 Specify your preferred way of creating a Datafile

The Commetrix data format is more powerful but also more complex than previous SNA tools. It stores nodes and their attribute variables (names, ranks, keywords, types, etc.) as well as linkevents and their attribute variables (time stamp, contents, types, strength). Therefore we work with special data files that correspond to the needs of the tool. After you coded the data, you can use CMXProducer which reads in file formats, such as MS Excel , or .csv. You can also consider to have your dataset produced with the transformation service offered by Trilexis. The transformation service is ideally receiving two formats of your data. Either you use a MS Excel based tool (or CSV tables, alternatively), or you submit your data stored as an SQL file of a specified structure (e.g. you fill a MySQL database). The latter is requiring that you are able to store data in MySQL databases. A third way is a more comprehensive transformation order, where Trilexis takes care of your original raw data, specifies a model and transform it into a Commetrix datafile for you. A time-based fee applies for Trilexis's transformation work (price is shown in solution map). Transformation is very likely to be cheaper for one-time users. For your professional needs, you can finally opt for CMX DB Producer, which can connect with a MySQL database for easy/automatic update.

### 4 Code your dataset in the selected format

4a) If you want to use the MS Excel Coding tool or if you want to see how .csv (comma separated value) tables should look like for the product ion process, download the specifications here: [http://www.commetrix.de/trial/CMX-Coding-Tables\\_Master.zip](http://www.commetrix.de/trial/CMX-Coding-Tables_Master.zip).

4b) If you want to create a Commetrix compliant MySQL database (.sql), download the Commetrix Producer files at <http://www.commetrix.de/trial/CMXProducer-pw.zip> (password cmxp) and check the Commetrix Data Model Manual PDF Document for a detailed description of the database format. Further you will find a .sql script to create an empty and an example database.

### 5 Submit the dataset in the selected format to our service

5a) Use Commetrix Producer to produce your datasets (e.g. .csv or .xsl) 5b) Alternatively, you can send the .sql database file or the four .csv files to Trilexis's Data transformation service (e.g. e-mail at [info@trilexis.com](mailto:info@trilexis.com)). 5c) Finally, you can use Commetrix DB Producer to find your Commetrix compliant MySQL databases on your database server and transform them into .cmx datafiles used for Analysis. You can download the Commetrix Producer files at <http://www.commetrix.de/trial/CMXProducer-pw.zip> (password cmxp). A trial version is possible to have technical checks (limited transformation of 50 link events). Producer is providing several pre-filters. You can import as often as you like, e.g. when the data has changed.

### 6 Use the transformation service

The data transformation service offered by Trilexis GmbH will produce a datafile .cmx, which is then sent back to you. The transformation service is ideally receiving two formats of your data. Either you use a MS Excel based tool (or CSV tables, alternatively), or you submit your data stored as an SQL file of a specified structure (e.g. you fill a MySQL database). The latter is requiring that you are able to store data in MySQL databases. A third way is a more comprehensive transformation order, where Trilexis takes care of your original raw data, specifies a model and transform it into a Commetrix datafile for you. A time-based fee applies for Trilexis's transformation work (price is shown in solution map). The transformation is likely to be cheaper and more convenient for one-time users!

### 7 Receive a datafile from our service

After you have received the datafile you are ready for your own exploration, visualization, and analysis of your network.

### 8 Start you network analysis using Commetrix Analyzer

The help button and our documentation help you with further information about how to benefit from the many features of our tool. Enjoy.

### Order Product or ask for Services via [info@trilexis.com](mailto:info@trilexis.com):

- 1) Consult the provided PDF documents to identify your usage scenario and prices. Fill these prices into the ORDER FORM available at [http://www.commetrix.de/trial/Trilexis\\_ORDER\\_FORM\\_COMMETRIX\\_TempLate.rtf](http://www.commetrix.de/trial/Trilexis_ORDER_FORM_COMMETRIX_TempLate.rtf) and send it to [info@trilexis.com](mailto:info@trilexis.com).
- 2) Just send your license request informally (e.g. 1 CMX Analyzer license for [background type student, academic institution, commercial, non-profit, private]) to [info@trilexis.com](mailto:info@trilexis.com). This will be treated as a request for quote and Trilexis will send you the license agreement and the invoice. When you have paid you receive the license key activation.
- 3) Present us with a comprehensive request for quote document, which states your requirement, and we will prepare a solution for you. We can also phone or skype to discuss your requirements.
- 4) Let's discuss via Skype or via a Phone Call, how Commetrix can serve you in your analysis project. Note, that Trilexis GmbH is also offering related BUSINESS CONSULTING projects to analyze your network data or to create an adapted version of Commetrix for your business environment.