The aim of this Master Thesis named Transformation from OCL into SQL is to explore possibilities of enhancing Enterprise Architect by the ability of generating SQL code that implements OCL constraints of a Platform Independent Model, and to create a working prototype that demonstrates this capability. The thesis contains a brief introduction to the problem of Model Driven Architecture, why it would be useful to implement the specified constraints directly in the database, a description of the interaction with Enterprise Architect along with analysing how to get the needed data, the way OCL can be mapped onto SQL, and finally it describes the implementation of the OCLtoSQL plugin from its analysis and chosen architecture to its documentation.