

The aim of this master thesis was to gather and analyze the real-world XQuery programs. The data gathering process is performed using the crawler. The thesis contains analysis of different crawlers and the most suitable crawler was chosen. The crawler was modified, so that it did not overload servers, gathered the right data and was able to pause. Before the data gathering we analyzed where to start gathering and how long should it took. When the data was gathered, they needed to be cleaned and validated. The subjects of the analyses were use of the XQuery language and occurrences of XQuery grammar symbols. Combination of the XML representation of XQuery programs and XPath expressions for querying this representation was used to perform these analyses. XQConveror was used to create this XML representation. The main contributions of this thesis are the gathered data and the first real-world XQuery programs analysis.