XML parsing in Symbian OS v9.x

Following are some of the frequently asked questions regarding XML parsing in Symbian 3rd edition.

What is the recommended way to parse XML files? Which API should we use?

This depends on the type of our xml document and the parsing methodology that we want to use. DOM is best used for applications where the document elements have to be accessed and manipulated in an unpredictable sequence and repeatedly. If the applications involves a sequential or one-time selective read or write per processed document, DOM presents a considerable overhead. The sequential SAX model is advantageous in such a case in terms of speed and memory consumption. Symbian SDK provides API's which will help for both SAX and DOM based parsing.

Is it possible to get proper documentation about Symbian's XML Framework and CParser?

The usage of `CParser` is discussed in Using the XML parser for Symbian C++.

Does Symbian's XML Framework (CParser) provide a DOM interface? Or only SAX?

`Cparser` is part of the Symbian XML framework which can be used for SAX model. `CsenXmlReader`, `CSenBaseFragment`, `CSenDomFragment` are part of the XML extensions provided by Symbian. `CSenXMLReader` internally uses `Cparser`.

What is the main difference between CParser and the S60 parser (CSenXMLReader)? Does the S60 API support DOM parsing?

`CSenXmlReader` & `CSenBaseFragment` can also be used for SAX model. `CSenXmlReader` & `CSenDomFragment` can be used for DOM parsing. For more details on how to do the DOM parsing please refer to the **S60 3.0 MR SDK** or **S60 3.0 FP1 SDK** which provides some example code. In the **S60 FP1 SDK** go to **API Reference\C++API Reference\S60 Platform services\Web Based Services\ Web Services\Usage\XML Parsing and API Reference\C++API Reference\S60 Platform services\Web Based Services\ Web Services\XML Extensions.**

Are there any changes in this area in 3rd Edition FP1 compared to 3rd Edition?

S60 3.0 MR SDK and **S60 3.0 FP1 SDK** support the Symbian XML extensions which are not available in Symbian 3.0 SDK. Also there are some additional support classes and methods in Symbian XML Framework.

See Also

- How to parse XML files using the CParser class
- Use the XML Parser in Symbian OS 9
- Example Code of Using XML Parser in Symbian OS

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