

# Natural XML Toolkit

## Preface

XML, the eXtensible Markup Language, has become one of the most relevant standards and a driving force for Web applications. As of Natural Version 4 for mainframes, XML documents can be created, processed and made available. Because complete highly nested XML documents can be very large, Natural's data-definition and data-manipulation capabilities have been extended with large (up to one gigabyte) and dynamic variables.

The XML Toolkit provides Natural with XML document processing capabilities. A Natural data definition can be generated from an XML Document Type Definition (DTD), and vice versa. The content of a Natural variable can be serialized into an XML document. And an XML document can be parsed into a Natural variable.

## This Document

This document describes an example application that demonstrates the use of XML within a Natural-for-Mainframes environment without external program parts. The following topics are covered:

- Natural XML Toolkit - Introduction
- Using the XML Toolkit
- Setting Up Specific Generation Options
- Using a Natural Data Area as Data Source
- Using a Document Type Definition as Data Source
- Natural Simple XML Parser
- Examples
- Parser Error Messages

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes and new editions.