

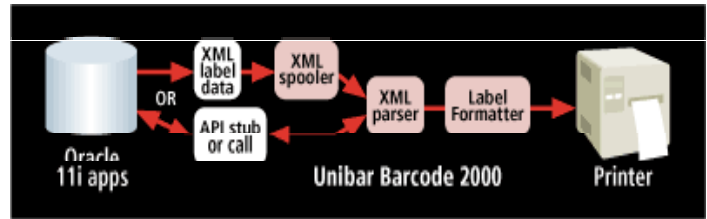
BARCODE 2000 XML™

For UNIX®, LINUX® and Windows® servers



Get XML printing – without XML printers or programming

BARCODE 2000 XML lets you take advantage of XML printing without XML printers or programming. Interface your legacy label printers directly to enterprise applications for fast and reliable bar code and radio frequency identification (RFID) smart label printing. **BARCODE 2000 XML** converts XML data streams from Oracle® Warehouse Management (WMS), Mobile Supply Chain Applications (MSCA) and other enterprise applications for bar code and RFID label output directly from thermal and laser printers – with no print servers, middleware or PC-based labeling applications required!



Print system architecture for BARCODE 2000 XML. No PCs, middleware or print servers are required between the enterprise application and the label printer. The streamlined architecture provides fast, reliable bar code and RFID smart label printing, flexibility to easily modify and add label formats and lower cost of ownership.

How it works:

BARCODE 2000 XML resides on the server that hosts the enterprise application and interfaces directly with thermal and laser printers. **BARCODE 2000 XML** is fully compatible with XML and non-XML applications and works with more than 200 thermal and laser (PCL) printers, so it is can satisfy all enterprise bar code and label printing needs.

Create label formats on any Java 2 system. An easy-to-use WYSIWYG design environment makes label design simple, even with bar code and RFID fields. Label formats are then stored on the server with **BARCODE 2000 XML** and your business software.

Business transactions can automatically generate label output with no operator intervention required. A transaction or user request initiates a label request. **BARCODE 2000 XML** selects the appropriate label format, populates variable data fields with information from the enterprise application, formats bar code and RFID data, and sends the complete label file to the printer. No client software or XML processors are required on the printer to output the label.

Four methods of printing are supported: asynchronous, where the spooler monitors drop files in the directory, synchronous, using PL/SQL calls; TCP/IP; and direct Java.

BARCODE 2000 XML is Oracle certified for bar code printing from Oracle's Warehouse Management and Mobile Supply Chain Applications. **BARCODE 2000 XML** is also compatible with Oracle 11i and other enterprise applications with XML.

What you need:

- **BARCODE 2000** for label design.
- **BARCODE 2000 XML** and label formats installed on the server with enterprise applications.
- One of more than 200 models of supported thermal label printers, or any PCL laser printer.
- XML or non-XML enterprise applications.

What you DON'T need:

- A print server to manage communication between printers and enterprise applications.
- Middleware to process output from enterprise applications and make it compatible with the label printer.
- Separate printer drivers or custom interface development.
- PC-based labeling software to manage communications or data conversion.
- PC-based software for label design.
- Printers with native XML processing ability.
- New printers.
- Multiple site licenses to enable bar code and RFID printing.
- Add-on modules to support RFID smart label printing.

Features:

Runs on any platform

Design label templates on any system with Java 2. There is no need for any new hardware or networking. This is the most efficient and cost-effective way to add dynamic label printing to your applications! **BARCODE 2000 XML** can reside on Unix, Linux or Windows servers.

RFID made easy

Creating and formatting RFID smart labels is just as easy as adding a new field to the label format. **BARCODE 2000 XML** takes care of the rest. Create Electronic Product Code™ (EPC) label formats to support Wal-Mart, DoD and other compliance labeling requirements. Other major RFID protocols and all leading smart label printers are also supported.

More than 200 printer models now supported

BARCODE 2000 XML works with all printers from Sato, Zebra, and Datamax, most popular models from Intermec, Eltron, TEC, Monarch and many others. Unibar provides native printer drivers for all printers from the following manufacturers, plus all PCL compatibles:

C. Itoh	Datamax	Eltron
Genicom	Hewlett-Packard	Intermec
Lexmark	Mannesmann-Tally	Monarch
Printronic	Sato	TEC
Tharo Systems	Xerox	Zebra

Compatibility goes beyond XML – JDBC support integrates with applications and databases

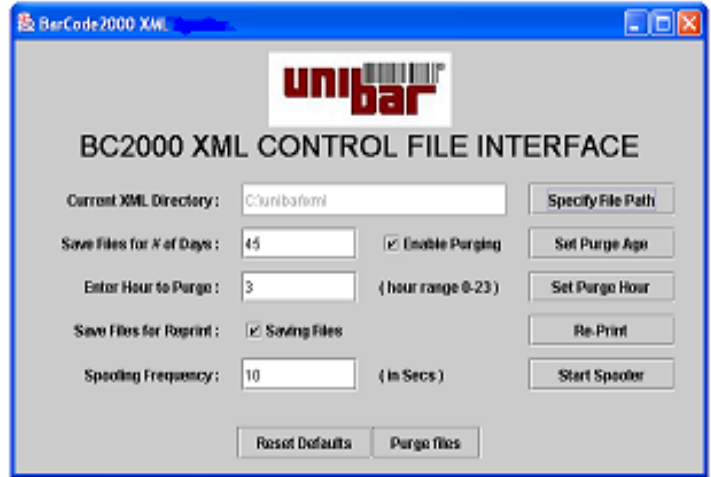
BARCODE 2000 XML easily and seamlessly integrates data from existing applications and databases: in-house, SAP, Oracle, Informix, Progress, Baan, etc. using either XML, a Java method 'FormatLabels()' and JDBC.

Provides 1D and 2D bar codes

BARCODE 2000 XML supports common 1D and 2D symbologies and provides capabilities to design and print labels meeting ASN and AIAG B-14 specifications.

Oracle certification

BARCODE 2000 XML is Oracle-certified for XML bar code output from Oracle WMS and Mobile Supply Chain Applications.



The control interface is used to set addressability and to save files for re-printing. Just follow the on-screen prompts – no XML programming skills are required.

Java™ Design Tools and Java printing interface

BARCODE 2000 XML provides a simple method for printing labels from a Java application or a PL/SQL script. The Java class 'FormatLabels()' is provided. 'FormatLabels()' takes parameters to specify the label template, the data to be merged, the print destination and several options such as number of copies. It encapsulates the details of execution the Label Formatter program, ubfmt.

Supported bar code symbologies:

Code 39	Code 128	Code 93
Codabar	EAN-8	EAN-13
FIM	HIBC	Interleaved 2 of 5 (ITF)
Maxicode	PDF417	Plessey
Postnet	Telepen	UPC-A
UPC-E	UCC/EAN-128	UPC 2-digit
UPC 5-digit		

Note: Not all printers support all symbologies.

Supported systems

BARCODE 2000 XML works with the following computer systems:

DEC Alpha	DG-UX Intel	DG-UX Motorola
HP-UX	IBM AIX	Linux
NCR Unix	SCO OS	Solaris Intel
Solaris Sparc	Unisys Unix	Unixware

Windows 98, NT, 2000 and XP

