

Web technology update

Product update

There are several technologies that customers find useful in developing Web applications. This update lists several relevant HP NonStop products, their status, and a brief summary of their application to development decisions.

In the Java arena, HP offers the following products: NonStop Server for Java (NSJ), NonStop Servlets for JavaServer Pages (NSJSP), NonStop SOAP for Java, BEA WebLogic Server, and the Java ORB in NonStop CORBA software (often referred to as JORB). In addition, HP offers iTP WebServer, iTP Active Transaction Pages (ATP), NonStop SOAP (for Pathway), NonStop XML Parser, and NonStop XSLT software.

The Java language is effective for developing new applications and, when used in conjunction with effective tools, the language is easy to apply to new projects. Our latest NSJ offering is NonStop Server for Java 4.0, a certified implementation of the Java Platform 2, Standard Edition (J2SE) 1.4.1 specification. It contains the HotSpot compiler technology for optimized execution of Java applications. HP will continue to invest in and make improvements in NSJ as we move to NonStop S88000 processors and Intel® Itanium® processor-based NonStop systems.

Many customers like the ability of Java servlets and JavaServer Pages to develop simpler Web applications. NonStop Servlets for JavaServer Pages is currently at the Tomcat 4.0.3 level. A new release of NSJSP is planned for later this year to be more in keeping with Tomcat specifications (4.1.29).

BEA WebLogic Server provides full Java Platform, Enterprise Edition (J2EE) specification support on NonStop systems. With WebLogic Server 8.1 (released in March 2004), customers can use WebLogic Server and take advantage of this advanced Java architecture. WebLogic Workshop is a marvel of "drop-and-click" tools to assist developers in *getting there* quickly and painlessly. Worth noting also is that iTP WebServer software can now be used as the Web server to front end J2EE application components running in WebLogic Server 8.1 on NonStop servers.



NonStop CORBA software provides a pure Java ORB, which facilitates the development of CORBA programs in the Java language. This is especially suitable for accelerated CORBA development, where prototypes can be developed quickly with all the productivity of Java, and key components can then be reengineered in C++ for optimal performance. The net result is fast development of high-performance CORBA applications. HP recently shipped NonStop CORBA 2.6.1, with support for NSJ 4.0. The next target is NonStop CORBA 3.0, expected during 2005.

iTP WebServer is a solid Web server that supports “getting on and off the Web,” with both no-cost and for-fee versions. The for-fee versions support different popular encryption options. iTP Active Transaction Pages uses JavaScript to enable rapid application development. While ATP is still actively supported, many customers are leaning toward JSP and servlets for this kind of need.

There are two basic Simple Object Access Protocol (SOAP) products—NonStop SOAP (for Pathway) and NonStop SOAP for Java. Both provide the capability to take XML messages from iTP WebServer software and pass them on to respective Pathway or Java applications. Both products are active, although we will not be enhancing NonStop SOAP for Java because our emphasis is on supporting that capability within the WebLogic Server platform. NonStop SOAP for Java does not operate with NSJ 4.0. Customers can use the Axis product from Apache open source instead. Customers that plan to use this product should be sure to get the latest version; it has some important software fixes not contained in previous versions. A new release of NonStop SOAP (for Pathway) is planned for later this year.

A new release of our XML Parser (C++ based) is planned for April 2004, with current standards support. In addition, we are planning the release of a new (simpler) parser aimed at higher-performance application requirements. That release is scheduled for later this year. We are planning a release of the XSL Transformations (XSLT) product, with current standards support, in the May 2004 time frame. There are Java technology–based parsers available via Apache that run on NonStop systems automatically.

The table below provides a summary of each Web technology product:

Status of Web technology products.

Product name	Current status
NonStop Server for Java (NSJ)	Actively being enhanced
NonStop Servlets for JavaServer Pages (NSJSP)	Actively being enhanced
WebLogic Server	Actively being enhanced
NonStop CORBA Java ORB	Actively being enhanced
iTP WebServer	Active; longer-term enhancements planned
iTP Active Transaction Pages (ATP)	Mature; no enhancements planned
NonStop SOAP (for Pathway)	Actively being enhanced
NonStop SOAP for Java	Mature; no enhancements planned
NonStop XML Parser	Actively being enhanced; new product planned
NonStop XSLT	Actively being enhanced

Note that none of these products is scheduled for discontinuation.

For more information

Field and headquarters analysts can help you and your customers with application development decisions. For assistance, contact the following Product Managers:

Product area	Contact
WebLogic Server, NonStop CORBA	Jim Peters (backup: Sanjib Guhathakurta)
NonStop Server for Java	Sanjib Guhathakurta (backup: Jim Peters)
iTP WebServer, iTP Active Transaction Pages, NonStop Servlets for JavaServer Pages, NonStop SOAP (for Pathway), NonStop SOAP for Java, NonStop XML Parser, and NonStop XSLT	Wil Marshman

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For more information, go to www.hp.com/go/nonstop.
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