



**SDX™ Software  
for Juniper Networks® Routing Platforms**

## **Application Library Release Notes**

*Release 5.0.0*

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# Release 5.0.0

## Release Overview

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These *Release Notes* cover Release 5.0.0 of the SDX Application Library. If the information in these *Release Notes* differs from the information found in the published documentation set, follow these *Release Notes*. These release notes include the following sections:

- Release Overview on page 1
- Release Highlights on page 2
- Known Problems and Limitations on page 2
- Cautions on page 3
- Restrictions and Recommendations on page 3
- Third-Party Software on page 4
- Contacting Customer Service on page 4

## Before You Start

These *Release Notes* include information about Release 5.0.0. Before you use your new software, read these *Release Notes* in their entirety, especially the section *Known Problems and Limitations*. You need the following documentation to fully understand all the features available in Release 5.0.0 of the Application Library:

- These 5.0.0 *Release Notes*, which describe features available in Release 5.0.0 of the SDX Application Library.
- The 5.0.x *SDX Application Library Guide*, which provides detailed information about features available in SDX Application Library Release 5.0.x.

If the information in your current *Release Notes* differs from the information found in the other documentation sources, follow the *Release Notes*.

## Documentation

The *SDX Application Library CD* contains the *SDX Application Library Guide* as well as the component software, supporting applications, and *Release Notes* needed to install and operate the SDX application library.

The 5.0.x SDX-300 documentation set consists of several manuals and is available in electronic (PDF) and printed format. Refer to the 5.0.0 *SDX-300 Release Notes* for more information.

## Release Highlights

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Highlights include the following product enhancements.

### ACP

- ACP Detects Change in Definition of Congestion Point  
The ACP can now detect a change in the definition of a backbone congestion point associated with a service while the ACP is operative. Previously, the ACP detected changes in the backbone congestion point only when you stopped and started the ACP.

## Known Problems and Limitations

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### Workflow Manager

- Occasionally, Workflow Manager is unresponsive because of communication problems with the workflow engine.

**Work-around:** Stop and then restart Workflow Manager.

**Reference:** TIC4316

- If you install the Workflow application on the same machine as the JBoss application server, the Workflow Manager will not operate if the JBoss application server is running.

**Work-around:** If you use the Workflow application and the JBoss application server in your SDX configuration, install the Workflow application and the JBoss application server on different machines.

**Reference:** TIC8133

## Cautions

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The following caution applies to Release 5.0.0:

- You must install the JRE package provided on the SDX software CD (UMCjre). If you have your own Web application that requires a different JRE version, contact Juniper Networks Professional Services.

## Restrictions and Recommendations

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- We have tested the following application servers with the SDX Web applications:

- JBoss 3.0 (<http://www.jboss.org>)

The following application servers should also work with the SDX Web applications:

- BEA WebLogic Server version 7.0 (<http://www.bea.com>)
  - Oracle Application Server version 9.03 (<http://www.oracle.com>)
- The SDX gateway allows gateway clients to interact with SDX components through a SOAP version 1.2 interface.
- The Dynamic Service Activation Web application requires an object request broker (ORB) to be installed and configured. The JRE package (UMCjre) included on the Release 5.0.0 SDX-300 software CD (not the application library CD) is preconfigured with JacORB (<http://www.jacorb.org>). JacORB meets the requirements for these gateway Web applications. If you use a different JRE, you must ensure that it is configured with an ORB that complies with the Object Management Group's CORBA 2.6 standard (<http://www.omg.org>).
- The VTAs have been tested with the following databases:
  - MySQL version 4.0.13 (<http://www.mysql.com>)
  - Oracle Database version 8.1.7 (<http://www.oracle.com>)

## Resolved Problems

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### ACP

- The backbone congestion point for the ACP has the format <-vrName- > / <-serviceName- >. The format is stated incorrectly in *SDX Application Library Guide, Chapter 14, Admission Control Plug-In*.

**Reference:** TIC8066

- If a subscriber is subscribing to a service and the LDAP attribute CongestionPoints is changed for that service, ACP does not record the change until the subscriber deactivates the service.

**Reference:** TIC8283

### Dynamic Service Activator

- The methods `Subscriber_modifyService` and `Subscriber_activateService` associated with the Dynamic Service Activator API use an attribute called `substitutions`. This attribute is incorrectly called `substitution` in *SDX Application Library Guide, Chapter 2, Dynamic Service Activator*.

**Reference:** None

### VTAs

- The name and descriptions of the behaving and misbehaving thresholds are incorrect in Table 16-16 of *Application Library Guide, Chapter 16, Volume-Tracking Applications*.

**Reference:** TIC 8309

## Third-Party Software

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SDX Application Library Release 5.0.0 includes the following third-party software components:

- Apache Axis 1.1 (<http://xml.apache.org/axis>)
- JDBC 0.12 (<http://jdbcm.sourceforge.net>)
- Sun Java class libraries: `j2ee`, `jnet`, `ldapbp`, and `ldap` (<http://www.sun.com>)

## Contacting Customer Service

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You can contact Juniper Networks Customer Service for the SDX software in the following ways:

- Within the United States, call 1-888-314-JTAC
- Outside the United States, call 408-745-9500
- Send e-mail to [support@juniper.net](mailto:support@juniper.net)