

## Overview of the Directory Eventing System

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The directory eventing system (DES) provides two functions:

- Automatic notification of changes in the directory

DES polls the directory periodically to determine changes that affect the configuration or operation of a particular component. If DES finds relevant changes, it automatically provides the changes to the component. However, if DES does not find relevant changes, it does not provide any information.

- Redundancy

You must define a primary directory for SRC components that require access to a directory. You can also define a list of secondary (backup) directories.

DES detects when a connection to the primary directory fails, and:

1. Connects to the first available secondary directory in the specified list.
2. Reverts to the primary directory when it becomes available.

If a connection to a secondary directory fails, DES:

1. Connects to the primary directory if it is available.
2. If the primary directory is unavailable, connects to the first available directory in the specified list.

DES is not a central service for all SRC components; rather, you configure a DES for an individual SRC component. On a C-series Controller, you configure initial eventing for each component for each slot. Other components such as the SAE and the license manager have additional configuration for directory eventing.

Some components have connections to multiple directories; consequently you must configure DES properties for each connection. For example, the SAE may use different directories for service, configuration, and subscriber information.

DES is a Java Naming and Directory Interface (JNDI)–compliant service and accepts standard JNDI properties. For more information about JNDI, see <http://java.sun.com/products/jndi/>.

### Related Topics

- Managing Directory Communication
- Local Properties for SRC Components
- Configuring Initial Directory Eventing Properties for SRC Components
- Configuring Directory Connection Properties for the SDX SNMP Agent
- Viewing Information About Components Installed (SRC CLI)

