BEA WebLogic RFID Edge Server™

Release Notes

Version 3.0
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CHAPTER 1

WebLogic RFID Edge Server Known Issues

The following sections describe the new features and document known problems in WebLogic RFID Edge Server 3.0.

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What's New in WebLogic RFID Edge Server 3.0

- See New Features in This Release in the *Product Overview*

Known Problems

The following section describes problems that were found in WebLogic RFID Edge Server 3.0. Entries include a description of the problem, and a workaround or solution where appropriate.

Change Request Number	Description and Workaround
CR321475	Readers written against the pre-public driver interfaces in releases prior to Edge Server 3.0 must be updated. **Workaround or Solution:** You must rename the following: • AbstractDispatchingPollingPhysicalReader ==> AbstractPollingPhysicalDevice • AbstractPhysicalReader ==> AbstractPhysicalDevice • AbstractPollingPhysicalReader ==>AbstractPollingPhysicalDevice • Antenna ==> DeviceUnit • AntennaCapabilities ==> DeviceUnitCapabilities • AntennaObserver => DeviceUnitObserver • AntennaReport => DeviceUnitReport • AntennaRequest ==> DeviceUnitRequest • PhysicalReader ==> PhysicalDevice • PollingAntenna ==> PollingDeviceUnit • PollingLogicalReader => PollingLogicalDevice • PollingPhysicalReaderScheduler => PollingPhysicalDeviceScheduler • ReaderConfigurationException => DeviceConfigurationException • ReaderObserver => DeviceObserver • ReaderUtil => DeviceUtil • SimplePollingPhysicalReaderScheduler => • SimplePollingPhysicalDeviceScheduler In addition, related method names were changed. For example, the method getAntenna is now getDeviceUnit. A number of classes and methods have been deprecated in favor of the new SDK. New drivers should use only the classes and methods described in the SDK Javadoc.

Change Request Number	Description and Workaround
CR320241	The system returns license verification errors when attempting to deploy the Edge Server from a WAR file when running WebLogic Server 10.0. **Workaround or Solution:** 1. Edit the `startWebLogic.cmd` or `.sh` file that is under the `/bin` directory of WebLogic Server you are using (for example, /wlsinstalls/wls1000/user_projects/domains/base_domain/bin). 2. Add the `-Dbea.home=`*`yourbeahome`* to the java command that starts WebLogic server: `${JAVA_HOME}/bin/java ${JAVA_VM} ${MEM_ARGS} ${JAVA_OPTIONS} -Dweblogic.Name=${SERVER_NAME} -Djava.security.policy=${WL_HOME}/server/lib/weblogic.policy ${PROXY_SETTINGS} ${SERVER_CLASS}`
CR320237	When you attempt to perform operations on a version 2.*x* Edge Server using a version 3.0 Administration Console, the system returns warnings. Using the Edge Server 3.0 Administration Console to perform operations on an Edge Server 2.*x* system is not supported.
CR316561	The Administration Console may hang on some Linux systems using NFS. **Workaround or Solution:** To work around this problem, unmount the NFS mounted files systems and restart the Administration Console.
CR318779	During initialization of the Alien ALR-9800 driver, the following error message is displayed on the Edge Server console: `Serial Mananger Instance Failed - Serial Classes Not Present` This message is generated by the Alien RFID library and can be ignored. Driver initialization completes successfully.

Change Request Number	Description and Workaround
CR302253	Starting the Edge Server with more configured devices than specified by your license, will result in one of the following problems: • If allowBadDate=True (in the edge.props file), the Edge Server starts, but not all devices are configured. Files for devices that are not configured are moved to the /var/edgestate/bad directory. Before you restart the Edge Server with the correct license, you must copy the files in the /var/edgestate/bad directory to the /var/edgestate directory. • If allowBadData=False (in the edge.props file), the Edge Server does not start. This problems is likely to occurr after you have updated your system from a previous release of the Edge Server. To correct the problem, contact BEA support to get a license with the correct device count for your configuration.
CR282951	Occasionally, the ThingMagic Mercury 4 driver returns an "unparsable response" error while reading a tag. Sometimes the reader returns invalid data while reading a Gen2 tag, probably because the tag is not encoded correctly. **Workaround or Solution:** Discard the tag.
	The Printronix SL5000r reader driver has the following limitations: • Does not support permanent tag locking. In a PCSpec, if you specify permanent locking no tag programming occurs. • Enables writing to kill password, access password, and epc memory banks only. • You cannot write to the access and kill password memory banks without also specifying an epc. • You cannot write to a tag which was locked previously. In a PCSpec, if you specify an existing access password it will be ignored. • In a PCSpec, to specify tag locking, you must also specify a new access password; otherwise, no tag programming occurs. • In a PCSpec, if you specify multiple lock and mask bits, only the last one specified is considered. The workaround is to specify all the lock bits and all the mask bits, each in a single element. • In a PCSpec, if you specify not locking the access password and locking any of the other memory banks, the access password will also be locked. • Short write timeout values will likely result in verification failures.

Change Request Number	Description and Workaround
[vendor issue]	If the network connection to the SATO printer is lost, the Edge Server has difficulty reconnecting to the printer. **Workaround or Solution:** Restart the printer (power off and on).
[vendor issue]	If the network connection to the Impinj reader is lost, the Edge Server has difficulty reconnecting to the reader. **Workaround or Solution:** Restart the reader (power off and on).
CR284883	In order to prevent a deadlock, the `com.connecterra.ale.readerConcurrency` property in `edge.props` must be 0 (the default) or greater or equal to the number of readers.