GlassFish Server Fails to Start in an OpenSolaris Zone

Description

If GlassFish Server is installed in an OpenSolaris zone, an attempt to start a domain might fail with the following error message:

```
Waiting for DAS to start ..Error starting domain: domain.
The server exited prematurely with exit code 6.
Before it died, it produced the following output:

UTF ERROR ["../../../src/solaris/instrument/EncodingSupport_md.c":66]:
Failed to complete iconv_open() setup
```

The failure occurs because, by default, an OpenSolaris zone is installed without language and encoding support, which GlassFish Server requires.

▼ Resolution: To Enable GlassFish Server to Run in an OpenSolaris Zone

1   Install the package that provides language and encoding support for your locale.

   $ **pkg install** *package-name*

   package-name
   > The name of the package that provides language and encoding support for your locale. For example, the name of the package that provides language and encoding support for the US English locale is SUNWlang-enUS.

2   Set the LANG environment variable to the code for your locale.

   For example, if your locale is US English, set the LANG environment variable to en_US.UTF-8.

Two Server Instances Bind to Same Port on Windows

Description

This problem occurs on Windows XP systems with GlassFish Server software, and is due to a known Windows security flaw rather than a problem with GlassFish Server itself.

The problem occurs when two or more instances of GlassFish Server are created using the same port number for the instanceport option; for example:

```
asadmin create-domain -adminport 5001 options -instanceport 6001 domain
asadmin create-domain -adminport 5002 options -instanceport 6001 domain
```

When the two domains are started on a UNIX or Linux system, a port conflict error is thrown and the second instance fails to start. However, when the two domains are started on Windows XP, no error is thrown, both server instances start, but only the first instance is accessible at the specified port. When that first server instance is subsequently shut down, the second instance then becomes accessible. Moreover, when both instances are running, the Windows `netstat` command only reports the first instance.

Solution

Be sure to use unique port numbers for all server instances on Windows systems.

Cannot Produce a JVM Thread Dump After Server Crash

Description

If GlassFish Server crashes, the server dumps a core file and, by default, restarts with the `-Xrs` flag, which prevents the dump of a JVM thread dump.

Solution

▼ To Obtain a Server Thread Dump

● **Type the following command:**

asadmin generate-jvm-report --type=thread

See Also generate-jvm-report(1)