

# CEE - J™

## Virtual Machines for Embedded Devices

### Description:

CEE-J™ is a suite of fast, compact and proven clean room virtual machine technologies for the EmbeddedJava™ Platform. With CEE-J, enabling the use of Java™ on almost any device is now possible.

### Scalability

CEE-J makes using Java practical on resource constrained devices such as industrial controllers, cell phones or PDAs, yet can scale up to satisfy the requirements of set-top boxes, internet appliances and more. The CEE-J VM can scale to a static footprint of under 100K making it flexible enough to accommodate almost any set of requirements. Skelmir's CEE-J products fully conform to Sun's published specifications, so whether your device calls for a minimal CLDC or MIDP configuration, or an EmbeddedJava or PersonalJava™ configuration, Skelmir can meet your needs with CEE-J.

### Portability

CEE-J has been ported to an extensive, constantly growing list of processors and operating systems. Our board support layer makes porting easy. Skelmir's expertise in the EmbeddedJava Platform is available to assist your team in expediting integration and accelerating time to market of your device. Build with the best.

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### Features:

#### Standards & Compliance

- Compatible with JDK 1.1.8, J2ME CLDC, MIDP, & PersonalJava specifications
- Clean-room libraries: applet, awt, beans, io, lang, math, net, sql, text, util, util.zip
- Passes Java compatibility test suites

#### Development Advantages

- Three bytecode compilers: Dynamic, JIT, & AOT
- Built-in JDWP support to enable debugging via IDEs
- Native method support via JNI or SNI – the Skelmir Native Interface
- Real-time extensions

#### For CLDCConnected LimitedDeviceConfiguration

- CLDC is intended for devices that have minimal display capabilities
- Includes selected classes from java.lang, java.io, and java.util
- No file system required

#### For MIDP Mobile Information Device Profile

- Graphics: specialized library tailored to small displays
- Flexible input options and multiple I/O connection types
- No file system required

#### For EmbeddedJava

- Support for standard JDK 1.1.8 feature set
- PersonalJava 1.1 compliant VM
- Does not include support for AWT
- Real-time extensions available
- No file system required

#### For PersonalJava

- Support for standard JDK 1.1.8 feature set
- PersonalJava 1.1 compliant VM
- AWT support with advanced graphics
- True-type font rendering
- XWindows support not required