

Introduction to the IBM Migration Kit for Solaris OS to Linux

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Introduction

This is IBM's Migration Kit for Solaris to Linux, a developer's toolkit for analyzing software in preparation for porting from the Solaris OS to Linux. It contains the following materials and tools for use on a Solaris OS development system:

- An IBM Whitepaper Guide to Application Porting from Solaris OS to Linux (in PDF format).
- A Shell Script Tool for finding utility or file use issues in scripts
- A Source Code Tool for finding API and pragma portability problems
- An Endian Checking Tool that will look for common problems in code that will be moved from one processor architecture to another.

The goal of these tools is to provide an analysis of the source code to be ported, to both allow a better understanding of the work required, and to highlight the places where the actual work needs to be done.

System Requirements

In order to use the tools provided, the following will be necessary:

- Any Sun SPARC-based system
- Solaris 8 or 9 operating system
 - with C language development software installed
 - Access to Solaris "Companion Software" with GNU developers tools (available online from Sun)
 - Access to Perl/Tk for Solaris (instructions on how to obtain this are in the tool documentation)
- At least 100Mb free disk space

Installation

Each tool comes in both the Solaris OS installer format (.pkg) and also as a tar file. If you wish to use the pkg installer, root permissions will be required. The tar file does not

require root permissions to use.

The package installers will place the tools in the directory

```
/opt/ibm/mksl/*
```

and the tar archives will place each tool in a relative path, such as

```
./sst/*
```

for the Shell Script Tool. The manual for each tool (and tutorial where provided) will be in the subdirectory with the installers for that tool.

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