

Introduction to the IBM Migration Kit for Solaris OS to Linux

v2.0

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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 Linux OS development system:

- An IBM Whitepaper Guide to Application Porting from Solaris OS to Linux (in PDF format).
- An IBM Redbook Solaris to Linux Migration: A Guide for System Administrators (in PDF format).
- A Shell Script Tool for finding utility or file use issues in scripts and makefiles.
- 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.
- Manuals (in PDF format) for each of the tools.

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 x86-architecture-based hardware system

- Installed with either:
 - Red Hat Enterprise Linux 4 (or newer)
 - SUSE Linux Enterprise Server 9 (or newer)
- and with the following software:
 - with C language development packages installed
 - with any version of Java installed
 - with Perl and Perl/Tk installed [If Perl/Tk does not come with your Linux distribution, an rpm for your OS can usually be found at <http://rpmfind.net>]
- At least 100Mb free disk space

Installation

The Toolkit comes as a Linux binary RPM, and can be installed using the command

```
rpm -ivh IBM-mksl-2.n.n-n.i586.rpm
```

The RPM installer will place the tools and documentation in the directory

```
/opt/IBM/mksl/*
```

The Toolkit may need to be installed while acting as the administrative user (root), depending on the permissions that are set for the /opt directory. The manual for each tool will describe how to set up and run the tool.

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