

Introduction to the IBM Migration Kit for Solaris OS to Linux

v2.0

September 2006

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 PerlTk installed
- 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.

NOTICES

Copyright International Business Machines (IBM), 2001, 2002, 2005,2006

Useable and distributable only with IBM permission and under IBM terms and conditions. It may not be copied or further distributed unless authorized in writing by IBM.

The following terms are registered trademarks of International Business Machines Corporation in the United States and/or other countries: AIX, AIX 5L, AIX/6000, IBM, RS/6000, VisualAge, e-business (logo), POWER2 Architecture, PowerPC (logo), PowerPC 604, pSeries, SP, iSeries, OS/400, AS/400, POWER3, POWER4, RS64IV, . A full list of U.S. trademarks owned by IBM may be found at <http://ibm.com/legal/copy/trade.html>. UNIX is a registered trademark of The Open Group in the United States and other countries. Java and all Java-based trademarks and logos are trademarks of Sun Microsystems, Inc. in the United States and other countries. Lotus, Lotus Domino and Lotus Notes are trademarks or registered trademarks of Lotus Development Corporation. Tivoli, TME, TME 10 and TME 10 Global Enterprise Manager are trademarks or registered trademarks of Tivoli Systems, Inc. Other company, product and service names, which may be denoted by a double asterisk (**), may be trademarks or service marks of others. Linux is a registered trademark of Linus Torvalds. HP-UX and Tru64 are trademarks of HPQ in the United States and other countries. Solaris is a registered trademark of Sun Microsystems in the United States and other countries.