POSTGRES INSTALLATION INSTRUCTIONS

C-Only Release 3.0

Document Overview

1. Introduction

This document gives installation instructions for the POSTGRES database system under development at the University of California, Berkeley. POSTGRES is distributed in source code format and is the property of the Regents of the University of California. However, the University will grant unlimited commercialization rights for any derived work on the condition that it obtain an educational license to the derived work. For further information, consult the Berkeley Campus Software Office, 295 Evans Hall, University of California, Berkeley, CA 94720.

The University and the POSTGRES development group provide no warranty as to the fitness of the code for any purpose whatsoever, and cannot guarantee to assist in fixing problems. This is *unsupported* software.

2. Site Requirements

2.1. Hardware

POSTGRES currently has been tested by the Postgres development team on Sun Microsystems 3/xx family of processors with SunOS 3.4, or 3.5, and 4.0, and Sparc architecture machines (Sparcstation and Sun 4) running SunOS 4.0 and higher. Postgres is also supported on DECstations 3100's and 5000's running Ultrix 4.0 and higher. Tested but unsupported ports for DECstation Ultrix lower than 4.0 and Sequent Symmetry machines running Dynix are included. These ports are unsupported for the following reasons: the old Ultrix dynamic loader is quite buggy, and the standard *make* on the Sequent Symmetry cannot compile Postgres. In order to use POSTGRES, your machine should have at least 8 megabytes of memory and you will require at least 45 megabytes of disk space to hold source, binaries, and user databases. If you choose to compile POSTGRES for source-level debugging, you will need roughly twice as much disk space. See the section on compilation for details.

The DECstation version requires a kernel which allows 4 megabytes of shared memory. To compile the Sequent Symmetry port, you will have to obtain a System V Release 3 compatible *make.* Consult your Sequent representative for details.

2.2. Software

This implementation of POSTGRES is completely in C. The distribution contains no Lisp or C++ code.

2.3. Distribution tape

These instructions assume you have a POSTGRES Version 3 distribution tape (in either 9 track, SCSI cartridge, or TK50 cartridge format) or a POSTGRES tar file.

2.4. Expertise

Once a site is properly configured and POSTGRES is properly installed, very little UNIX expertise is required to maintain things. However, initially setting things up for your site to run POSTGRES may be difficult and we advise that the person installing POSTGRES be familiar with the various system administration procedures. Also note that various steps require superuser authority on the system, so we advise that your site's system administrator read this document also.

2.5. Configuration

This section briefly describes the configuration you need to run POSTGRES. Read this to familiarize yourself with the procedure. Detailed instructions for making appropriate modifications to your system are given later in this document.

2.5.1. Operating System

POSTGRES expects things to be configured for BSD by default. If the default on your site is to use the SunOS SysV compiler and libraries then you may have to make some changes to this procedure before compiling POSTGRES.

One exception to this rule is that we use Sun's SysV-compatible *make* to build the system. This is the version of *make* that is installed in both the BSD and SysV environments on Suns, so this should pose