NightBench

Version 2.3 Release Notes (PowerMAX)

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0890514-2.3

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1.0. Introduction

NightBench™ is a graphical user interface for developing software with the MAXAda™ and Concurrent C/C++ compiler toolsets for Concurrent computers running under PowerMAX OS™.

NightBench provides a common work environment for the NEdit editor, MAXAda and Concurrent C/C++ compilers, and other NightStar development tools. NightBench organizes all of the information required for the development of PowerMAX OS applications, ensures consistent, repeatable builds, and provides an efficient interface for editing, browsing, building, and debugging.

2.0. Documentation

Table 2-1 lists the NightBench 2.3 documentation available from Concurrent.

Table 2-1. NightBench Version 2.3 Documentation

Manual Name	Pub. Number
NightBench User's Guide	0890514-070
NightBench Version 2.3 Release Notes (PowerMAX)	0890514-2.3

Copies of the Concurrent documentation can be ordered by contacting the Concurrent Software Support Center. The toll-free number for calls within the continental United States is 1-800-245-6453. For calls outside the continental United States, the number is 1-954-283-1822 or 1-305-931-2408.

Additionally, the manuals listed above are available:

- online using the X Window System™ utility, **nhelp**
- on the Concurrent Computer Corporation web site at www.ccur.com

3.0. Prerequisites

Prerequisites for NightBench Version 2.3 are as follows:

3.1. Software

- PowerMAX OS 4.3 or later
- Élan License Manager™ 5.0.2 or later
- X Window System (X11 Version 6.4.2 or later)
- NightView™ Version 4.4 or later *(for debugging)*
- MAXAda Version 2.0 or later *(for Ada program development)*
- Concurrent C/C++ Version 5.1 or later *(for C/C++ program development)*

3.2. Hardware

- Computer Systems:

  Power Hawk™ 620 and 640

  Power Hawk 710, 720 and 740

  PowerStack™ II and III

  Night Hawk® Series 6000

  TurboHawk™

  PowerMAXION™

- Board-Level Products:

  Motorola® MVME2604

  Motorola MVME4604

4.0. System Installation

The NightBench product is installed as a standard PowerMAX software package and utilizes the standard PowerMAX product installation mechanism, **pkgadd** (see **pkgadd(1)**).

The package names are **nbench**, **nbench-ada**, and **nbench-c**.

nbench	contains the language-independent files for NightBench This package is required.
nbench-ada	contains the Ada-specific support files for **nbench** This package depends on the **nbench** package.
nbench-c	contains the C/C++-specific support files for **nbench** This package depends on the **nbench** package.

NOTE

NightBench will only provide language support for those compilers (MAXAda or Concurrent C/C++) installed on a particular machine.

Please refer to the "Installing Add-on Software" chapter in the *System Administration Volume I* (0890429) manual for further instructions on software installation.

5.0. Changes in This Release

In addition to minor enhancements and maintenance, the following changes were made in NightBench 2.3.

- NightBench 2.3 includes improvements to the diagnostic portion of the NightBench Builder window to remove extraneous white space for multi-line error messages.

6.0. Cautions

6.1. SFNOLIM Kernel Tunable

The `SFNOLIM` kernel tunable should not be set above 1024; doing so may cause NightBench to fail during initialization or when communicating with other tools.

7.0. Direct Software Support

Software support is available from a central source. If you need assistance or information about your system, please contact the Concurrent Software Support Center at 1-800-245-6453. Our customers outside the continental United States can contact us directly at 1-954-283-1822 or 1-305-931-2408. The Software Support Center operates Monday through Friday from 8 a.m. to 7 p.m., Eastern Standard time.

Calling the Software Support Center gives you immediate access to a broad range of skilled personnel and guarantees you a prompt response from the person most qualified to assist you. If you have a question requiring on-site assistance or consultation, the Software Support Center staff will arrange for a field analyst to return your call and schedule a visit.