

Profile Definition

XPG4 Base

X/Open Company Ltd.

Profile Detail

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| Name | XPG4 Base |
| Label for Logo | Base |
| Description | <p>This is the original XPG4 Base Profile which was introduced in 1992, at a time when the IEEE Std. 1003.2 was at Draft 11.2 and nearing ratification. It was intended as a transition Profile to encourage migration to the new POSIX-2 standard (ISO/IEC 9945-2:1993 (POSIX-2)¹). As far as the Commands and Utilities Component is concerned, a system branded to this Profile can be anywhere in the transition path between the XPG3 state and the POSIX standard, but its actual state must be clearly defined in its Commands and Utilities Conformance Statement (CS).</p> <p>Apart from the Commands and Utilities Component, all other aspects of this Profile are firmly defined, and are identical to those defined for the XPG4 Base 95 Profile.</p> |
| Components | XPG4 Internationalised System Calls and Libraries XPG4 Commands and Utilities XPG4 C Language |
| Migration | <p>All the mandatory functionality defined in the XPG3 Base Profile is included in the XPG4 Base Profile. There are, however, some minor differences in behaviour from XPG3, particularly in the area of the commands and utilities arising primarily from the transition towards the formal standard. The X/Open XPG3-XPG4 Base Migration Guide² describes these differences and contains advice about how to avoid problems associated with the use of application code which may have depended upon implementation-defined behaviour.</p> <p>It should be noted that conformance to the Commands and Utilities Component required to achieve XPG4 Base branding is loosely defined. A branded system can be anywhere in the migration path between the XPG3 Commands and Utilities Component and the XPG4 Commands and Utilities V2 Component. The degree of migration involved in moving from an XPG3 Base branded system to an XPG4 Base branded system is therefore system-dependent, but can be ascertained by consulting the Conformance Statement of the Commands and Utilities Component of the latter.</p> |

1. ISO/IEC 9945-2:1993, Information Technology — Portable Operating System Interface (POSIX) — Part 2: Shell and Utilities (identical to IEEE Std 1003.2-1992).

2. X/Open Guide, July 1992, XPG3-XPG4 Base Migration Guide (ISBN: 1-872630-49-9, G204).

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| Migration (continued) | Migration from an XPG4 UNIX system to an XPG4 Base system is identical to that described in migrating to an XPG4 Base 95 system, except that in addition it may be necessary to take into account the state of the Commands and Utilities Component of the XPG4 Base system (which may be ascertained from the Conformance Statement). |
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Conformance Requirements

A single configuration of the system shall meet all of the conformance requirements defined in the specified Component Definitions.

Except where it would imply the use of language features that require both X/Open Common Usage C and ISO C semantics, a single source program written in X/Open Common Usage C or in ISO C shall be able to use all the services provided by the Portability Interfaces of all those Components.

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