



HP porting checklist

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abstract: This document is intended as a planning aid for application developers who are interested in porting their application to HP systems. It provides a list of questions that should be considered as the initial step of a porting assessment.

Information and tools to transition source code from Tru64 UNIX® systems to HP-UX on Itanium®-based systems is available at the following web site:

<http://www.hp.com/go/tru64appmigration>

Information and tools to transition source code from OpenVMS Alpha systems to OpenVMS on Itanium®-based systems is available at the following web site:

<http://www.hp.com/go/openvms/>

Information and tools to transition source code from HP-UX PA-RISC systems to HP-UX on Itanium®-based systems is available at the following web site:

<http://www.software.hp.com/STK/>

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porting checklist

Use the following checklist to record the answers to questions related to a porting effort:

- What is the name of the application to be ported?
- What is the primary reason for porting the application?
- In one sentence, describe what the application does:
- On what operating systems does the current application run? Give specific versions as reported by the software where you can. (for example, Digital UNIX Version 4.0F, Compaq Tru64 UNIX Version 5.0A, and Red Hat Linux Version 7.2)
- To what operating system(s) will the application be ported?
- List all languages and versions that are used to construct the application (for example, Compaq C Version 6.2, Perl 5.004, and Java2):

Language	Version	Comments

- List all layered, proprietary, and third-party products the application depends on for proper operation (for example, Oracle9i database, OpenGL, and Apache):

Product Version Comments

Product	Version	Comments

- Do you have all of the source code files required to build the application? (Yes or No)

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- What is the quantity of source code? You can specify in terms of lines of code or megabytes of uncompressed source files.
 - What is the quantity of data associated with this application? Can you characterize its structure (for example, formatted, in a database, or unformatted binary)?
 - When was the last time the application environment was completely recompiled and rebuilt from source?
 - Is the application rebuilt regularly? How frequently?
 - Is the application actively maintained by developers who know it well?
 - How is a new build of the application tested or verified for proper operation?
 - Do you have performance characterization tools to assist with optimization?
 - Will these tests, validation suites, or performance tools need to be ported?
 - Which source-code and configuration management tools are used (examples: make, SCCS, RCS, CVS)?
 - Do you have a development and test environment separate from your production systems? (Yes or No)
 - What procedures are in place for rolling in a new version of the application?