

Information Sources

For Cray XC Users

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- Cray documentation site: <http://docs.cray.com>
- Documents can be read online or downloaded as PDF
- Documents have a **short reference number**
- For example:

[Cray Fortran Reference Manual](#)

S-3901-83 · May 2014 · Cray Compiling Environment (CCE) 8.3:
C/C++/Fortran Compiler

[HTML](#) · [PDF](#) · [All Formats](#) · [Table of Contents](#) · [Other Versions](#)

Documents the Cray Fortran Compiler command-line options and associated directives and environment variables. Introduction [1] This manual describes the Cray Fortran compiler for the Cray Compiling Environment (CCE) 8.3 Release. This compiler supports Cray XE, Cray XK, and Cray XC series systems ...

- The reference number will increment with newer versions



- Start with the Cray XC System Documentation collection



- Useful documents are:

- [S-2529-116](#) Programming Environment User's Guide
- [S-2179-83](#) C and C++ Reference Manual
- [S-3901-83](#) Cray Fortran Reference Manual
- [S-2376-622](#) Using Cray Performance Measurement and Analysis Tools
- [S-2496-5202](#) Workload Management And Application Placement...

- Look out for new versions when the programming environment (PE) is updated/released



On-line command-line

- **Unix man pages are installed**
`% man mpi ; man directives`
`% man intro_hugepages`
- **The module setup adjusts the MANPATH**
- **Be careful with compilers**
 - `man ftn` or `man CC` tells you about the wrappers
 - `man crayftn` or `man crayCC` gets you the man page for the actual CCE compiler driver
- **Also can get release notes from module command**
`module help cce/8.2.0`

```
Cray Compiling Environment 8.2.0
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```
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CCE 8.2.0
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Purpose:
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```
CCE 8.2.0 provides Fortran, C, and C++ compilers for Cray XE, Cray XK and Cray XC systems.
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```
The CCE 8.2.0 release provides the following key enhancements:
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- Enhanced support for accelerators on Cray Systems, including support for the OpenACC Application Programming Interface, Version 2.0.
- Enhanced support for PGAS programming models. This release introduces Coarray C++, a template library that implements the coarray concept in C++. Also, this release offers preliminary support for the UPC 1.3 draft specification.
- Support for TS 29113 Further Interoperability of Fortran with C



Other Documentation

- PBS (Altair/PBSworks)

Documentation:

<http://www.pbsworks.com/SupportDocuments.aspx>

- Lustre (Intel)

Documentation:

<https://wiki.hpdd.intel.com/display/PUB/Documentation>

Third-party documentation

- **Cray XC Sites**

UK National HPC Service ([ARCHER](#))

online documentation pages: <http://www.archer.ac.uk/documentation/>

- **ARCHER Best Practice Guide**

- Based on a PRACE XE guide now outdated
- Best Practice Guide – **Cray XE/XC (v4.0)**
[HTML](#) version from ARCHER website



Other useful sources

- **Cray User Group (<https://cug.org/>)**

- Independent organization from Cray Inc.
- Yearly gatherings with customer and Cray presentations
- Presentations are initially private and require login

- **Lustre User Group**

- Annual meetings have interesting presentations

- **Whitepapers**

Cray XC Aries Networking

<http://www.cray.com/Assets/PDF/products/xc/CrayXC30Networking.pdf>