

# Install MIPSPro Compilers Version 7.4 on IRIX 6.5.x systems

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## Symptom(s):

Install MIPSPro Compilers Version 7.4 on IRIX 6.5.x systems  
How to install MIPSpro compilers  
How to install compilers  
Install MIPSpro Compilers 7.4  
Install 7.4 Compilers  
7.4 Compiler Install

## Fact(s):

IRIX 6.5.X  
MIPSpro Compiler 7.4  
MIPSpro Fortran 77 Compiler 7.4  
MIPSpro Fortran 90 Compiler 7.4  
MIPSpro C Compiler 7.4  
MIPSpro C Compiler 7.4  
MIPSpro Compiler 7.4.1  
FOR IRIX 6.5.18 OR LATER ONLY: If running MIPSpro C or C Compilers, patch 4605 MUST BE INSTALLED from the Irix Development Foundation 1.3 CD otherwise you will get a load of conflicts... please see note at the bottom of this procedure.

## SGI Solution:

To install MIPSPro Compilers V7.4 on IRIX 6.5.x systems, the following CDROM distributions are required:

IRIX Development Foundation 1.3	(812-0757-004)
Compiler Execution Environment 7.4 CD	(812-0924-002)
IRIX 6.5 Development Libraries CD	(812-0766-002/3)
IRIX 6.5 Foundation 1 CD	(812-0759-002)
IRIX 6.5 Foundation 2 CD	(812-0760-002)
MIPSPro 7.4.1m Maintenance Release CD	(812-0980-004)
or	
MIPSPro 7.4.2m Maintenance Release CD	(812-0980-005)
or	
MIPSPro 7.4.3m Maintenance Release CD	(812-0980-006)
or	
MIPSPro 7.4.4m Maintenance Release CD	(812-0980-007)

Then, any or all of the following compilers:

MIPSpro C Compiler 7.4	(812-0707-004)
MIPSpro C Compiler 7.4	(812-0400-010)
MIPSpro Fortran 77 Compiler 7.4	(812-0403-010)
MIPSpro Fortran 90 Compiler 7.4	(812-0402-010)

Suite of IRIX 6.5.x Installation Tools and Overlays CDs:

IRIX 6.5.1 - 6.5.7:	2 overlay suite;
IRIX 6.5.8 - 6.5.14:	3 overlay suite;
IRIX 6.5.15 - 6.5.21:	4 overlay suite.
IRIX 6.5.22:	3 overlay suite.

To determine which IRIX overlay version is installed:

```
$ uname -R
```

To install the compilers (assuming your CDROM drive normally mounts as /CDROM):

```
$ su root
# inst -f /CDROM/dist
Inst>
{Should see something like the following ...}

Default distribution to install from: [/CDROM/dist]

For help on inst commands, type "help overview".

Inst 4.1 Main Menu

1. from [source ...]          Specify location of software to be installed
2. open [source ...]         Specify additional software locations
3. close [source ...]        Close a software distribution location
4. list [keywords] [names]   Display information about software subsystems
5. go                         Perform software installation and removal now
6. install [keywords] [names] Select subsystems to be installed
7. remove [keywords] [names] Select subsystems to be removed
8. keep [keywords] [names]   Do not install or remove these subsystems
9. step [keywords] [names]   Interactive mode for install/remove/keep
10. conflicts [choice ...]   List or resolve installation conflicts
11. help [topic]             Get help in general or on a specific word
12. view ...                 Go to the View Commands Menu
13. admin ...                Go to the Administrative Commands Menu
14. quit                     Terminate software installation

{Insert the Compiler Execution Environment 7.4 CD in CDROM drive}
Inst> open
Inst> sh eject

{Insert IRIX Development Foundation 1.3 CD}
Inst> open
Inst> sh eject

{Insert IRIX Development Libraries CD}
Inst> open
Inst> sh eject

{Insert IRIX Foundation 1 CD}
Inst> open
Inst> sh eject

{Insert IRIX Foundation 2 CD}
Inst> open
Inst> sh eject

{Insert IRIX 6.5.x Installation Tools and Overlays 1 of X CD}
Inst> open
Inst> sh eject

{Insert Developer Tools Maintenance Release 7.4.xm CD}
```

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Inst> open
Inst> sh eject

{Insert IRIX 6.5.x Overlays 2 of X CD}
Inst> open
Inst> sh eject

{For IRIX 6.5.8 and later; or IRIX 6.5.22, insert IRIX 6.5.x Overlays 3 of X CD}
Inst> open
Inst> sh eject

{For IRIX 6.5.15 and later, insert IRIX 6.5.x Overlays 4 of 4 CD}
Inst> open
Inst> sh eject

{Insert desired Mipspro Compiler 7.4 CD}
Inst> open
Inst> sh eject

{Insert and open any other MIPSpro Compiler 7.4 CDs as required}

Inst> keep all
Inst> install default

{FOR IRIX 6.5.18 OR LATER ONLY: If running MIPSpro C or C  Compilers, patch 4605 MUST BE INSTALLED from the Irix Development
Foundation 1.3 CD}
Inst> install patchSG0004605

Inst> conflicts
{Some java_dev, java_eoe and/or desktop_eoe conflicts may be incurred - these are harmless and can be ignored by selecting
the option
that ignores these subsystems, e.g.  Inst> conflicts la 2a 3a}

Inst> go
Inst> quit
#exit (as root)

The system does not need to be rebooted.

For more information, see the installation instructions in the Irix Development Foundation Release Notes idf\_1

```

### Answers others found helpful

- [Applications are slower since IRIX upgrade to Irix 6.5.30](#)
- [USB support under IRIX](#)
- [How do I install NFS subsystems on IRIX](#)
- [How to install IRIX 6.5](#)

### Additional Details

<b>Creation Date</b>	11/06/2002 06:20 AM
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<b>Products</b>	<ul style="list-style-type: none"> <li>• Software</li> <li>• System Management Software</li> <li>• SGI Foundation Software (SFS)</li> <li>• SFS 1</li> <li>• SFS 2</li> <li>• Software Development Tools</li> <li>• C++</li> <li>• Perl</li> <li>• Python</li> <li>• Java</li> <li>• Fortran</li> <li>• OpenMPI</li> <li>• Legacy Software</li> <li>• Operating Systems</li> <li>• IRIX</li> <li>• Software Development Tools</li> <li>• MIPSPro Compiler for IRIX</li> </ul>
<b>Categories</b>	<ul style="list-style-type: none"> <li>• Knowledgebase</li> <li>• Technical Solution</li> </ul>