

Hardware/Software Specifications

Platform Models: Challenge(R4400)  
Indigo/Indigo2(R4k)  
Indigo2 (R4400)  
Indy (R4400, R5000)  
O2 (R5000, R10000)  
Onyx (R4400)

Supported Graphics Environments: X11/Motif, OpenGL

Supported MDI Products:	ADAMS/Solver Task	10.0
	ADAMS/Linear	10.0
	ADAMS/View	10.0
	ADAMS/Exchange	10.0
	ADAMS/PostProcessor	10.0
	ADAMS/Flex	10.0
	ADAMS/Controls	10.0
	ADAMS/Car Interface	10.0
	ADAMS/Car Suspension	10.0
	ADAMS/Car Conceptual Suspension	10.0
	ADAMS/Car Vehicle Dynamics	10.0
	ADAMS/Driver	10.0
	ADAMS/Car Handling Tire	10.0
	ADAMS/Car Durability Tire	10.0
	ADAMS/Tire	10.0
	ADAMS/Engine	10.0
	ADAMS/Hydraulics	10.0
	ADAMS/Pre	10.0
	ADAMS/RaceCar	10.0
	ADAMS/Animation	10.0
	CAT/ADAMS Interface Only	10.0
	MECHANISM/Pro Iface Only (v21.0)	10.0
	ADAMS/SDK	10.0

Demo passwords are available for this platform family.

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Supported/Required Software Environments:

<u>Software Product</u>	<u>Fortran Specs</u>	<u>C Specs</u>	<u>Graphics Software Requirements</u>
ADAMS/Solver Task	7.2.1	7.2.1	X11 sharable libraries
ADAMS/View	7.2.1	7.2.1	X11, Motif, OpenGL sharable libraries
ADAMS/PostProcessor	N/A	N/A	X11, OpenGL sharable libraries
ADAMS/Flex	7.2.1	7.2.1	N/A
ADAMS/Controls	7.2.1	7.2.1	N/A
ADAMS/Car Interface	7.2.1	7.2.1	X11, OpenGL sharable libraries
ADAMS/Engine	7.2.1	7.2.1	X11, OpenGL Runtime Libraries
ADAMS/Hydraulics	7.2.1	7.2.1	X11(CDE), OpenGLruntime libraries
ADAMS/Pre	7.2.1	7.2.1	N/A
ADAMS/Animation	N/A	N/A	X11, OpenGL sharable libraries, Image Format Library (ifl_eoe.sw.c++)
CAT/ADAMS Interface Only	7.2.1	7.2.1	Please see your CATIA requirements
MECHANISM/Pro Iface Only (v21.0)	N/A	N/A	Please see your Pro/Engineer requirements
ADAMS/SDK	7.2.1	7.2.1	N/A

Note: Fortran libraries are required for creating any ADAMS/Solver custom executable.

Supported/Required Hardware Environments:

<u>Software Product</u>	<u>Supported Configurations</u>	<u>Specific Hardware Requirements</u>
ADAMS/Solver Task	All	N/A
ADAMS/View	All	Mouse, 24-bit color, 24-bit Zbuffer recommended
ADAMS/PostProcessor	All	Mouse, 24-bit Hardware Z-buffer recommended
ADAMS/Controls	All	N/A
ADAMS/Car Interface	All	Mouse, 24-bit hardware graphics accelerator recommended
ADAMS/Engine	All	Mouse, 24-bit color and Z-buffer recommended
ADAMS/Hydraulics	All	Mouse, 24bit color and 24-bit Zbuffer recommended
ADAMS/Pre	All	Mouse
ADAMS/Animation	All	24-bit hardware graphics acceleration recommended
CAT/ADAMS Interface Only	All	Please see your CATIA requirements
MECHANISM/Pro Iface Only (v21.0)	All	Mouse. Please see your Pro/Engineer requirements.

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Memory Requirements: (MBytes)	Minimum	192.0
	Recommended	320.0
Disk Space Requirements: (MBytes)	ADAMS/Pre	370.0
	MECHANISM/Pro Iface Only (v21.0)	34.0
	ADAMS/Animation	61.0
	ADAMS/Flex	20.0
	CAT/ADAMS Interface Only	26.0
	ADAMS/Controls	12.0
	ADAMS/Car Interface	99.0
	ADAMS/Solver Task	2.0
	ADAMS/View	85.0
	ADAMS/PostProcessor	7.0
	ADAMS/Hydraulics	18.0
	ADAMS/Engine	29.0
Miscellaneous	117.0	
	<b>Total</b>	<b>880.0</b>

General Hardware Requirements:

- Swap Space: 400 Mbytes
- Distribution Media: CD-ROM
- Postscript printer and/or HPGL plotter required for hardcopies in ADAMS/View, and ADAMS/Vehicle

There are two types of IRIX 6.2 and 6.5: 32-bit, and 64-bit. Please enter the following commands to verify you are running on 32-bit IRIX 6.2 or 6.5

Command	Expected Return Value
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uname	IRIX
file /unix	The fifth field can be either: mips-3, or mips-4

## Hardware/Software Specifications

Licensing Requirements:

MDI supports two types of licensing: 1) A Network license, 2) A Node-Locked, Task-Limited license. The Network license allows program execution on any computer on the network that can communicate with the license server. A Node-locked Task-Limited license, allows you to choose the computer the software will run on, but limit the number of simultaneous users. This computer must also be able to communicate with the license server.

With either type of licensing, MDI requires that you choose a license server(s). You may choose one (1) or three (3) license servers. MDI requires the following system information from machines designated as license servers.

1) The host name(s) of the license server machine(s). The host name can be obtained by entering the command 'hostname'. For example:

```
% hostname  
spartacus
```

Host names are case sensitive. Please report the entire host name as returned by the command 'hostname'. For example:

```
% hostname  
spartacus@troy.engr.mbsu.edu
```

2) The system id, as returned by the command 'sysinfo -s'. For example:

```
% sysinfo -s  
  
1764568909
```

MDI requires the system ids for all machines used in Node-locked Task-Limited license. The system id may be obtained with the method described above.

Comments:

This platform supports the R44000, R5000, and R10000(O2-only) CPU's 7.2.1 compilers required for creation of all custom executables.  
7.2.1 compiler runtime environment for C, C++ and Fortran required.