

Hardware/Software Specifications

Platform Models: Power
Power2
Power3
Power3-II
PowerPC

Supported Graphics Environments: X11(Common Desktop Environment), OpenGL

| | | |
|-------------------------|----------------------------------|------|
| Supported MDI Products: | ADAMS/View | 12.0 |
| | ADAMS/Exchange | 12.0 |
| | ADAMS/PostProcessor | 12.0 |
| | ADAMS/Solver Task | 12.0 |
| | ADAMS/Linear | 12.0 |
| | ADAMS/Vibration | 12.0 |
| | ADAMS/Durability | 12.0 |
| | ADAMS/Flex | 12.0 |
| | ADAMS/AutoFlex | 12.0 |
| | ADAMS/Controls | 12.0 |
| | ADAMS/Hydraulics | 12.0 |
| | ADAMS/Insight | 12.0 |
| | ADAMS/Rail | 12.0 |
| | ADAMS/Car | 12.0 |
| | ADAMS/Car Suspension Design | 12.0 |
| | ADAMS/Car Conceptual Suspension | 12.0 |
| | ADAMS/Car Vehicle Dynamics | 12.0 |
| | ADAMS/Driveline | 12.0 |
| | ADAMS/Engine Base | 12.0 |
| | ADAMS/Engine Valvetrain | 12.0 |
| | ADAMS/Engine Chain Drive | 12.0 |
| | ADAMS/Engine Timing Belt | 12.0 |
| | ADAMS/Engine Accessory Drive | 12.0 |
| | ADAMS/Engine Basic Cranktrain | 12.0 |
| | ADAMS/Engine Advanced Cranktrain | 12.0 |
| | ADAMS/Engine Gear | 12.0 |
| | ADAMS/Aircraft Landing Gear | 12.0 |
| | ADAMS/Aircraft Handling Tire | 12.0 |
| | ADAMS/Driver | 12.0 |
| | ADAMS/Tire Handling | 12.0 |
| | ADAMS/Tire FTire | 12.0 |
| | ADAMS/Tire 3D Contact | 12.0 |
| | ADAMS/3D Road | 12.0 |
| | ADAMS/Tire SWIFT | 12.0 |
| | ADAMS/Tire Motorcycle Tire | 12.0 |
| | ADAMS/Tire Motorcycle Data Lib | 12.0 |

Hardware/Software Specifications

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|---------------------------------|------|
| ADAMS/Tire Pass. Car Data Lib | 12.0 |
| ADAMS/Tire Light Truck Data Lib | 12.0 |
| ADAMS/EDM | 12.0 |
| CAT/ADAMS Interface Only | 12.0 |
| ADAMS Model Database SDK | 12.0 |

Demo passwords are available for this platform family.

Supported/Required Software Environments:

| <u>Software Product</u> | <u>Fortran Specs</u> | <u>C Specs</u> | <u>Graphics Software Requirements</u> |
|----------------------------------|----------------------|----------------|---|
| ADAMS/View | 7.1 | 5.0.2 | X11 (CDE), OpenGL 1.2 runtime libraries |
| ADAMS/PostProcessor | N/A | N/A | Please see ADAMS/View requirements |
| ADAMS/Solver Task | 7.1 | 5.0.2 | X11 sharable libraries |
| ADAMS/Vibration | N/A | N/A | Please see ADAMS/View requirements |
| ADAMS/Durability | N/A | N/A | Please see ADAMS/View requirements |
| ADAMS/Controls | N/A | N/A | Please see ADAMS/View requirements |
| ADAMS/Hydraulics | N/A | N/A | Please see ADAMS/View requirements |
| ADAMS/Insight | N/A | N/A | X11 sharable libraries |
| ADAMS/Rail | 7.1 | 5.0.2 | Please see ADAMS/View requirements |
| ADAMS/Car Suspension Design | 7.1 | 5.0.2 | Please see ADAMS/View requirements |
| ADAMS/Car Conceptual Suspension | 7.1 | 5.0.2 | Please see ADAMS/View requirements |
| ADAMS/Car Vehicle Dynamics | 7.1 | 5.0.2 | Please see ADAMS/View requirements |
| ADAMS/Driveline | 7.1 | 5.0.2 | Please see ADAMS/View requirements |
| ADAMS/Engine Base | 7.1 | 5.0.2 | Please see ADAMS/View requirements |
| ADAMS/Engine Valvetrain | 7.1 | 5.0.2 | Please see ADAMS/View requirements |
| ADAMS/Engine Chain Drive | 7.1 | 5.0.2 | Please see ADAMS/View requirements |
| ADAMS/Engine Timing Belt | 7.1 | 5.0.2 | Please see ADAMS/View requirements |
| ADAMS/Engine Accessory Drive | 7.1 | 5.0.2 | Please see ADAMS/View requirements |
| ADAMS/Engine Basic Cranktrain | 7.1 | 5.0.2 | Please see ADAMS/View requirements |
| ADAMS/Engine Advanced Cranktrain | 7.1 | 5.0.2 | Please see ADAMS/View requirements |
| ADAMS/Engine Gear | 7.1 | 5.0.2 | Please see ADAMS/View requirements |
| ADAMS/Aircraft Landing Gear | 7.1 | 5.0.2 | Please see ADAMS/View requirements |
| CAT/ADAMS Interface Only | N/A | N/A | Please see your CATIA requirements |

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

Hardware/Software Specifications

Supported/Required Hardware Environments:

| <u>Software Product</u> | <u>Supported Configurations</u> | <u>Specific Hardware Requirements</u> |
|----------------------------------|---------------------------------|---|
| ADAMS/View | All | Mouse, OpenGL graphics card recommended |
| ADAMS/Exchange | All | N/A |
| ADAMS/PostProcessor | All | Please see ADAMS/View requirements |
| ADAMS/Solver Task | All | N/A |
| ADAMS/Linear | All | N/A |
| ADAMS/Vibration | All | Please see ADAMS/View requirements |
| ADAMS/Durability | All | Please see ADAMS/View requirements |
| ADAMS/Flex | All | N/A |
| ADAMS/AutoFlex | All | N/A |
| ADAMS/Controls | All | Please see ADAMS/View requirements |
| ADAMS/Hydraulics | All | Please see ADAMS/View requirements |
| ADAMS/Insight | All | Mouse |
| ADAMS/Rail | All | Please see ADAMS/View requirements |
| ADAMS/Car Suspension Design | All | Please see ADAMS/View requirements |
| ADAMS/Car Conceptual Suspension | All | Please see ADAMS/View requirements |
| ADAMS/Car Vehicle Dynamics | All | Please see ADAMS/View requirements |
| ADAMS/Driveline | All | Please see ADAMS/View requirements |
| ADAMS/Engine Base | All | Please see ADAMS/View requirements |
| ADAMS/Engine Valvetrain | All | Please see ADAMS/View requirements |
| ADAMS/Engine Chain Drive | All | Please see ADAMS/View requirements |
| ADAMS/Engine Timing Belt | All | Please see ADAMS/View requirements |
| ADAMS/Engine Accessory Drive | All | Please see ADAMS/View requirements |
| ADAMS/Engine Basic Cranktrain | All | Please see ADAMS/View requirements |
| ADAMS/Engine Advanced Cranktrain | All | Please see ADAMS/View requirements |
| ADAMS/Engine Gear | All | Please see ADAMS/View requirements |
| ADAMS/Aircraft Landing Gear | All | Please see ADAMS/View requirements |
| ADAMS/Driver | All | N/A |
| ADAMS/Tire Handling | All | N/A |
| ADAMS/Tire FTire | All | N/A |
| ADAMS/Tire 3D Contact | All | N/A |
| ADAMS/3D Road | All | N/A |
| ADAMS/Tire SWIFT | All | N/A |
| ADAMS/Tire Motorcycle Data Lib | All | N/A |
| ADAMS/Tire Pass. Car Data Lib | All | N/A |
| ADAMS/Tire Light Truck Data Lib | All | N/A |
| ADAMS/EDM | All | N/A |
| CAT/ADAMS Interface Only | All | Please see your CATIA requirements |

Hardware/Software Specifications

| | | |
|--------------------------------------|-----------------------------|-------|
| Memory Requirements: (MBytes) | Minimum | 256.0 |
| | Recommended | 512.0 |
| Disk Space Requirements: (MBytes) | ADAMS/Flex | 25.0 |
| | CAT/ADAMS Interface Only | 21.0 |
| | ADAMS/Controls | 3.0 |
| | ADAMS/Car | 72.0 |
| | ADAMS/Solver Task | 2.0 |
| | ADAMS/View | 25.0 |
| | ADAMS/Rail | 24.0 |
| | ADAMS/Insight | 3.0 |
| | ADAMS/PostProcessor | 9.0 |
| | ADAMS/Hydraulics | 6.0 |
| | ADAMS Model Database SDK | 6.0 |
| | ADAMS/Vibration | 3.0 |
| | ADAMS/Durability | 10.0 |
| | ADAMS/AutoFlex | 4.0 |
| | ADAMS/Driveline | 8.0 |
| | ADAMS/Aircraft Landing Gear | 43.0 |
| ADAMS/Engine Base | 64.0 | |
| Miscellaneous | 364.0 | |
| | Total | 692.0 |

General Hardware Requirements:

- Swap Space: 512 Mbytes
- Distribution Media: CD-ROM
- Terminal: IBM Monitor
- Mouse: Required for graphics in all products
- Postscript printer hard copies

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 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 'uname -l'. For example:

```
% uname -l  
2012272894
```

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:

MDI recommends AIX 4.3.3 support level 9.

Only the Matlab & EASY5 interfaces for ADAMS/Controls are supported on IBM AIX.