

# **MATLAB® Builder for .NET Release Notes**

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<b>Summary by Version</b> .....	<b>1</b>
About Release Notes .....	<b>1</b>
<b>Version 2.0 (R2006a) MATLAB®Builder for .NET</b> .....	<b>3</b>
What Is MATLAB Builder for .NET? .....	<b>3</b>
<b>Compatibility Summary for MATLAB Builder for .NET</b> .....	<b>5</b>



## Summary by Version

This table provides quick access to what's new in each version. For clarification, see “About Release Notes” on page 1.

Version (Release)	New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
<b>New Product V2.0 (R2006a)</b>	Yes Details	No	Bug Reports at Web site	Printable Release Notes: PDF  V2.0 product documentation

### About Release Notes

Use release notes when upgrading to a newer version to learn about new features and changes, and the potential impact on your existing files and practices. Release notes are also beneficial if you use or support multiple versions.

If you are not upgrading from the most recent previous version, review release notes for all interim versions, not just for the version you are installing. For example, when upgrading from V1.0 to V1.2, review the New Features and Changes, Version Compatibility Considerations, and Bug Reports for V1.1 and V1.2.

### New Features and Changes

These include

- New functionality
- Changes to existing functionality
- Changes to system requirements (complete system requirements for the current version are at the MathWorks Web site)

- Any version compatibility considerations associated with each new feature or change

### **Version Compatibility Considerations**

When a new feature or change introduces a known incompatibility between versions, its description includes a **Compatibility Considerations** subsection that details the impact. For a list of all new features and changes that have compatibility impact, see “Compatibility Summary for MATLAB Builder for .NET” on page 5.

Compatibility issues that become known after the product has been released are added to Bug Reports at the MathWorks Web site. Because bug fixes can sometimes result in incompatibilities, also review fixed bugs in Bug Reports for any compatibility impact.

### **Fixed Bugs and Known Problems**

MathWorks Bug Reports is a user-searchable database of known problems, workarounds, and fixes. The MathWorks updates the Bug Reports database as new problems and resolutions become known, so check it as needed for the latest information.

Access Bug Reports at the MathWorks Web site using your MathWorks Account. If you are not logged in to your MathWorks Account when you link to Bug Reports, you are prompted to log in or create an account. You then can view bug fixes and known problems for R14SP2 and more recent releases.

### **Related Documentation at Web Site**

**Printable Release Notes (PDF).** You can print release notes from the PDF version, located at the MathWorks Web site. The PDF version does not support links to other documents or to the Web site, such as to Bug Reports. Use the browser-based version of release notes for access to all information.

**Product Documentation.** At the MathWorks Web site, you can access complete product documentation for the current version and some previous versions, as noted in the summary table.

## Version 2.0 (R2006a) MATLAB®Builder for .NET

This table summarizes what's new in Version 2.0 (R2006a):

New Features and Changes	Version Compatibility Considerations	Fixed Bugs and Known Problems	Related Documentation at Web Site
Yes Details below	No	Bug Reports at Web site	Printable Release Notes: PDF  V2.0 product documentation

### What Is MATLAB Builder for .NET?

MATLAB Builder for .NET (also called .NET Builder) is an extension to the MATLAB Compiler. Use .NET Builder to

- Package MATLAB functions so that .NET programmers can access them from any CLS-compliant language.

CLS is an acronym for Common Language Specification. CLS is a subset of language features supported by the .NET common language runtime (CLR). CLS includes features common to several object-oriented programming languages, such as C#, VB.NET, and C++ with managed extensions.

- Create components that preserve the flexibility of MATLAB. .NET Builder provides robust data conversion, indexing, and array formatting capabilities.

To support the MATLAB data types, .NET Builder provides the `MWArray` class hierarchy, which is defined in the .NET Builder `MWArray` assembly. You need to reference this assembly in your managed application to convert native arrays to MATLAB arrays and vice versa.

- Handle errors originating from MATLAB functions as standard managed exceptions. The error description contains specific references to the MATLAB code, thus simplifying the debugging process.
- Create COM components.

COM stands for Component Object Model, which is a software architecture developed by Microsoft to build component-based applications. COM objects expose interfaces that allow applications and other components to access the features of the objects. COM objects are accessible through Visual Basic, C++, or any language that supports COM objects.



# **Compatibility Summary for MATLAB Builder for .NET**

This is the first release of MATLAB Builder for .NET.