ASP.NET MVC 1.0 Release Notes

This document describes changes that have been made to the ASP.NET MVC framework since the Release Candidate 2 release. It also describes changes that you must make in existing MVC applications to run with the new release.

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# What’s New

ASP.NET MVC v1.0 is the first officially supported release for the ASP.NET MVC framework. As always, feel free to provide feedback on the [ASP.NET MVC forums](http://forums.asp.net/1146.aspx).

**Note**   Before you run the ASP.NET MVC v1.0 installer, uninstall any earlier pre-release versions of ASP.NET MVC. In addition, close all instances of Visual Studio 2008.

# Documentation

Documentation for ASP.NET MVC is available on MSDN at the following URL:

<http://go.microsoft.com/fwlink/?LinkId=145989>

Tutorials and other information about ASP.NET MVC are available on the MVC page of the ASP.NET Web site (<http://www.asp.net/mvc/>).

# Servicing

If you deploy an ASP.NET MVC application that has any Framework assemblies in the Bin folder, you must make sure that you update the assemblies if new versions of the assemblies are released (serviced). You must do this individually for every application where the assemblies are in the Bin folder. This is not necessary if applications use the assemblies that are installed in the default location (the GAC). Framework Assemblies in the GAC are automatically updated during servicing by Windows Update.

# Support

For information about support options for ASP.NET MVC, see the following page on the Microsoft support Web site:

<http://go.microsoft.com/fwlink/?LinkID=146329>

# Installation Notes

## .NET 3.5 SP1 Dependency

The installer requires that the .NET Framework version 3.5 SP1 be installed on your machine.

Although the installer requires SP1, the runtime does not have a dependency on SP1 other than the existing dependency on System.Web.Routing.dll and System.Web.Abstractions.dll. Therefore, you can deploy an ASP.NET MVC application to a hosting provider that has the .NET Framework 3.5 installed without SP1 by including the required assemblies in the application's Bin folder. For information about how to deploy an ASP.NET MVC application with assemblies in the Bin folder, see [Bin Deploying ASP.NET MVC](http://haacked.com/archive/2008/11/03/bin-deploy-aspnetmvc.aspx) on Phil Haack’s blog.

## Server Installation

ASP.NET MVC v1.0 supports an option to perform server installations to computers that do not have Visual Studio installed. This option installs creates an Ngen image of the System.Web.Mvc assembly in the GAC. It does not install any Visual Studio templates or tools.

To perform this installation, open a Windows command prompt and launch the installer by using the following command line (all on one line):

     msiexec /i AspNetMVC1.msi /l\*v .\mvc.log MVC\_SERVER\_INSTALL="YES"

This command will execute a quiet install (the /q option) and create a log file (the /l\*v option).

## GAC Assembly

The installer installs the ASP.NET MVC assembly (System.Web.Mvc.dll) into the GAC. The installer also copies this assembly to the following folder:

%ProgramFiles%\Microsoft ASP.NET\ASP.NET MVC 1.0 \Assemblies\

# Changes Since RC 2

The following changes were made in this release.

* jQuery 1.3.1 was replaced with jQuery 1.3.2 in this release.

# Bug Fixes since RC 2

The following issues were resolved in this release:

* ASP.NET MVC Web Applications created as a result of a new Silverlight Application no longer shows an error stating the project is unavailable.

## Upgrading from the RC 2 Release to ASP.NET MVC v1.0

The v1.0 release does not contain changes from the previous RC2 release. However, you will need to make a few changes to your applications after you install the this release. Most of these changes are apparent when you try to compile your application by using the latest release, so we do not list every possible change.

The following list describes some of the changes that you must make.

* Update the references to the following assemblies to point to the v1.0 versions:
* System.Web.Mvc.dll

By default, this assembly is located in the following folder:

%ProgramFiles%\Microsoft ASP.NET\ASP.NET MVC 1.0\Assemblies

* After you have made this change, compile your application and resolve any compilation errors.

# Known Issues

The following sections contain descriptions and possible solutions for known issues that may cause the installation process to fail.

## Conflict with Visual Studio Add-Ins

Certain Visual Studio add-ins can cause the installation to fail. The following add-ins are known to cause problems when installing ASP.NET MVC:

* PowerCommands
* Clone Detective
* Azure Tools

A hotfix has been released for the CLR bug that causes these failures. Hotfix KB963676 can be found at the following URL**:**

<https://connect.microsoft.com/VisualStudio/Downloads/DownloadDetails.aspx?DownloadID=16827&wa=wsignin1.0>

**After you install this patch, you should be able to run these add-ins with ASP.NET MVC.**

The final steps of the installation process install and configure the MVC templates in Visual Studio. When the installer encounters a problem during these steps, the installation will be stopped and rolled back.

You can produce a log file for the MVC installation process by using the msiexec command at the command prompt, using the following syntax:

msiexec /i AspNetMVC1.msi /q /l\*v mvc.log

If an error occurs, the log file will contain an error message similar to the following example:

MSI (s) (C4:40) [20:45:32:977]: Note: 1: 1722 2: VisualStudio\_VSSetup\_Command 3: C:\Program Files\Microsoft Visual Studio 9.0\Common7\IDE\devenv.exe 4: /setup

MSI (s) (C4:40) [20:45:32:979]: Product: Microsoft ASP.NET MVC -- Error 1722. There is a problem with this Windows Installer package. A program run as part of the setup did not finish as expected. Contact your support personnel or package vendor. Action VisualStudio\_VSSetup\_Command, location: C:\Program Files\Microsoft Visual Studio 9.0\Common7\IDE\devenv.exe, command: /setup

Error 1722. There is a problem with this Windows Installer package. A program run as part of the setup did not finish as expected. Contact your support personnel or package vendor. Action VisualStudio\_VSSetup\_Command, location: C:\Program Files\Microsoft Visual Studio 9.0\Common7\IDE\devenv.exe, command: /setup

This error is usually accompanied by a corresponding event such as the following, which will be logged in the Windows Event Viewer:

Faulting application **devenv.exe**, version 9.0.30729.1, time stamp 0x488f2b50, faulting module unknown, version 0.0.0.0, time stamp 0x00000000, exception code 0xc0000005, fault offset 0x006c0061, process id 0x10e0, application start time 0x01c9355ee383bf70

In most cases, removing the problematic add-ins before installing MVC will resolve the problem.

## Cryptographic Services

In a few isolated cases, the Windows Event Viewer might contain an Error event with event source CAPI2 and event ID 513. The event message will contain the following text:

Cryptograhpic Services failed while processing the OnIdentity() call in the System Writer Object.

The article [Event ID 513 — Shadow Copy System Writer Functionality](http://technet.microsoft.com/en-us/library/cc734021.aspx) on the Microsoft TechNet Web site describes steps that you user can take to correct the problem. In some cases, simply stopping and restarting the cryptographic services allows the installation to proceed.

## Visual Studio Templates

During the installation process, the installer creates a log file while configuring the MVC project templates in Visual Studio. The log file can be found at the following location:

%temp%\MvcTemplates.Log

If the installation process fails, or if it completes but the MVC templates are not available in Visual Studio, the log file might contain additional information about problems that were encountered during this part of the installation.

## Add View Tool and Unicode Characters

The Add View tool generates view pages that are encoded using Unicode (UTF-8). However, at run time, the ASP.NET compiler is expecting view pages to be encoded using Unicode (UTF-8 with signature). If you see an ASP.NET compiler error when you run your application that is due to an unrecognized Unicode character, save the view page with Unicode (UTF-8 with signature) encoding or add the following element to the system.web section of application’s Web.config file:

<globalization fileEncoding="utf-8" />