

HOW TO CHECK SQL SERVER VERSION

The most common way to check **SQL Server** is to use @@VERSION configuration function. It returns version, architecture, OS version and build date for current instance.

```
SELECT @@VERSION AS [Version]
```

Version

Microsoft SQL Server 2008 R2 (RTM) – 10.50.1600.1 (Intel X86) Apr 2 2010 15:53:02 Copyright (c) Microsoft Corporation Enterprise Edition on Windows NT 6.0 <X86> (Build 6002: Service Pack 2)

(1 row(s) affected)

Another way is to use **SERVERPROPERTY()** metadata function. For a full list of properties that can be returned, check **BOL**.

```
SELECT SERVERPROPERTY('ProductVersion') AS [Version]
```

Version

10.50.1600.1

(1 row(s) affected)

You can also use extended stored procedures to check **SQL Server** version:

sp_MSgetversion

```
EXEC master..sp_MSgetversion
```

Character_Value

10.50.1600.1 1 3

(1 row(s) affected)

xp_msver

```
EXEC master..xp_msver 'ProductVersion'
```

Index — Name — Internal_Value — Character_Value

2 — ProductVersion — 655410 — 10.50.1600.1

(1 row(s) affected)

To see the full list of properties returned by xp_msver, execute it without any arguments.

```
EXEC master..xp_msver
```

Index	Name	Internal_Value	Character_Value
1	ProductName	NULL	Microsoft SQL Server
2	ProductVersion	655410	10.50.1600.1
3	Language	1033	English (United States)
4	Platform	NULL	NT INTEL X86
5	Comments	NULL	SQL
6	CompanyName	NULL	Microsoft Corporation
7	FileDescription	NULL	SQL Server Windows NT
8	FileVersion	NULL	2009.0100.1600.01
	((KJ_RTM).100402-1540)		
9	InternalName	NULL	SQLSERVER
10	LegalCopyright	NULL	Microsoft Corp. All rights reserved.
11	LegalTrademarks	NULL	Microsoft SQL Server is a registered trademark of Microsoft Corporation.
12	OriginalFilename	NULL	SQLSERVER.EXE
13	PrivateBuild	NULL	NULL
14	SpecialBuild	104857601	NULL
15	WindowsVersion	393347078	6.0 (6002)
16	ProcessorCount	2	2
17	ProcessorActiveMask	3	00000003
18	ProcessorType	586	PROCESSOR_INTEL_PENTIUM
19	PhysicalMemory	2041	2041 (2140626944)
20	Product ID	NULL	NULL

(20 row(s) affected)

xp_instance_regread

```
DECLARE @returnValue NVARCHAR(100)
```

```
EXEC master..xp_instance_regread
```

```
@rootkey = N'HKEY_LOCAL_MACHINE',
```

```
@key = N'SOFTWARE\Microsoft\MSSQLServer\Setup',  
  
@value_name = N'Version',  
  
@value = @returnValue output  
  
SELECT @returnValue AS [Version]
```

Version
-----**10.50.1600.1****(1 row(s) affected)**