Purpose of SP2:

Service Packs that are released by Microsoft contain important fixes for the product and are vigorously tested before being released to the public; so they’re pretty important to install. But, as always, I highly recommend you apply them in a test server and test them thoroughly before applying to the production server.

--Determine the version and service pack of SQL Server

select @@version

http://www.microsoft.com/en-us/download/details.aspx?id=43340

**Quick summary:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **RTM (no SP)** | **SP1** | **SP2** | **SP3** | **SP4** |
| [↓](http://sqlserverbuilds.blogspot.com/#sql2014) **SQL Server 2014**      codename SQL14 | 12.0.2000.8 |  |  |  |  |
| [↓](http://sqlserverbuilds.blogspot.com/#sql2012) **SQL Server 2012**      codename Denali | 11.0.2100.60 | [11.0.3000.0](http://www.microsoft.com/en-us/download/details.aspx?id=35575) or 11.1.3000.0 | [11.0.5058.0](http://www.microsoft.com/en-us/download/details.aspx?id=43340) or 11.2.5058.0 |  |  |
| [↓](http://sqlserverbuilds.blogspot.com/#sql2008r2) **SQL Server 2008 R2**      codename Kilimanjaro | 10.50.1600.1 | [10.50.2500.0](http://www.microsoft.com/en-us/download/details.aspx?id=26727) or 10.51.2500.0 | [10.50.4000.0](http://www.microsoft.com/en-us/download/details.aspx?id=30437) or 10.52.4000.0 | [10.50.6000.34](http://www.microsoft.com/en-us/download/details.aspx?id=44271) or 10.53.6000.34 |  |
| [↓](http://sqlserverbuilds.blogspot.com/#sql2008) **SQL Server 2008**      codename Katmai | 10.0.1600.22 | [10.0.2531.0](http://www.microsoft.com/downloads/details.aspx?familyid=66AB3DBB-BF3E-4F46-9559-CCC6A4F9DC19) or 10.1.2531.0 | [10.0.4000.0](http://www.microsoft.com/downloads/en/details.aspx?FamilyID=8FBFC1DE-D25E-4790-88B5-7DDA1F1D4E17) or 10.2.4000.0 | [10.0.5500.0](http://www.microsoft.com/download/en/details.aspx?id=27594) or 10.3.5500.0 | [10.0.6000.29](http://www.microsoft.com/en-us/download/details.aspx?id=44278) or 10.4.6000.29 |
| [↓](http://sqlserverbuilds.blogspot.com/#sql2005) **SQL Server 2005**      codename Yukon | 9.0.1399.06 | [9.0.2047](http://www.microsoft.com/downloads/details.aspx?FamilyID=CB6C71EA-D649-47FF-9176-E7CAC58FD4BC) | [9.0.3042](http://www.microsoft.com/downloads/details.aspx?FamilyId=d07219b2-1e23-49c8-8f0c-63fa18f26d3a) | [9.0.4035](http://www.microsoft.com/downloads/details.aspx?FamilyId=ae7387c3-348c-4faa-8ae5-949fdfbe59c4) | [9.0.5000](http://www.microsoft.com/downloads/details.aspx?FamilyId=b953e84f-9307-405e-bceb-47bd345baece) |
| [↓](http://sqlserverbuilds.blogspot.com/#sql2000) **SQL Server 2000**      codename Shiloh | 8.0.194 | [8.0.384](http://www.microsoft.com/downloads/details.aspx?FamilyID=DFF43C50-51DF-4FE0-9717-DE41FB48556E) | [8.0.532](http://www.microsoft.com/downloads/details.aspx?FamilyID=75672496-af8e-40dc-853e-ad2c9fe96882) | [8.0.760](http://www.microsoft.com/downloads/details.aspx?familyid=90DCD52C-0488-4E46-AFBF-ACACE5369FA3) | [8.0.2039](http://www.microsoft.com/downloads/details.aspx?FamilyId=8E2DFC8D-C20E-4446-99A9-B7F0213F8BC5) |
| [↓](http://sqlserverbuilds.blogspot.com/#sql7) **SQL Server 7.0**      codename Sphinx | 7.0.623 | [7.0.699](http://www.microsoft.com/downloads/details.aspx?familyid=3884A944-3363-43CD-99E9-031A93C04413) | [7.0.842](http://www.microsoft.com/downloads/details.aspx?FamilyID=C4C935C7-4429-4172-9D54-C8A60927F372) | [7.0.961](http://www.microsoft.com/downloads/details.aspx?FamilyID=9c71f91c-a88f-4d31-9e8b-9fd63fbdbdcf) | [7.0.1063](http://www.microsoft.com/technet/prodtechnol/sql/70/downloads/default.mspx) |

All SQLServer service packs are cumulative, meaning that each new service pack contains all the fixes that are included with previous service packs and any new fixes.