ReleaseNotesVersion.2010.12.8a

# Microsoft® Visual Studio® 2010 RTM Virtual Machine

## General Release Notes

* 1. The Visual Studio 2010 RTM virtual machine is a single virtual machine image that contains fully installed and configured copies of Visual Studio 2010 Ultimate and Team Foundation Server 2010. Three versions of the image are available, one each for the three current Microsoft virtualization platforms—Virtual PC 2007 SP1, Windows Virtual PC, and Hyper-V.
  2. Depending upon your computer’s host operating system you may have more than one option. Choose the one that works best for you. **Hyper-V is highly recommended** for the best overall performance, and for the ease of use with its support for snapshots (which allow you to easily save and restore the state of your virtual machine).

## Expiration

* 1. This virtual machine includes trial editions of Visual Studio, Team Foundation Server, and SQL Server which will expire June 1, 2011. This virtual machine also includes trial editions of Office 2007 and Project which will expire after 25 launches. You can upgrade the trial software to full editions by using your own product key, such as from your MSDN Subscription. Note that in order to activate some software you might have to connect this virtual machine to the Internet.

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| Software | Expiration Notes |
| SQL Server 2008 Evaluation Edition | Expires June 1, 2011 |
| Office 2007 Enterprise Evaluation | Requires registration after 25 launches |
| Project Professional 2007 Evaluation | Requires registration after 25 launches |
| Visual Studio 2010 Ultimate | Expires June 1, 2011 |
| Team Foundation Server 2010 | Expires June 1, 2011 |

* 1. An updated version of this virtual machine will be posted closer to that date. The latest version of this virtual machine can always be found [here](http://bit.ly/VS2010RTMVHD).

## Rollback

* 1. It is recommended that you implement a rollback strategy for restoring this virtual machine to a previous point in time. This is helpful in case you make a mistake, or if you want to reset the state of the original sample data contained within this virtual machine. Each virtualization technology has its own built-in support for rollback. Hyper-V uses *snapshotting* and Virtual PC 2007 and Windows Virtual PC both use *undo disks*. Consult the documentation for the virtualization technology of your choice to learn more about these capabilities.

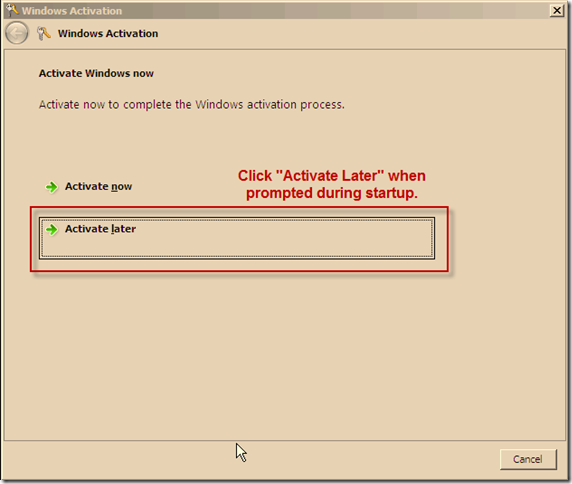
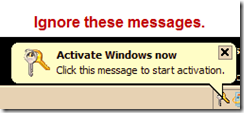
## Labs / Demo Scripts

* 1. A set of hands-on-lab documents, which also function as demo scripts, are available for download along with this virtual machine. The latest version of these documents can also be downloaded from [here](http://bit.ly/VS2010RTMVHD).

## Recommend System Configuration

* 1. You will want to provide as much RAM as possible (up to 4 GB) to this virtual machine. We suggest a minimum of 2.0 GB. You should not allocate all of your physical memory to a virtual machine or you can “starve” your host machine of the RAM it needs to complete other tasks. For example, if you have 6GB of physical memory on your computer then a good allocation for your virtual machine might be 3GB. This can be a process of trial and error. *Note that since this operating system is 32-bit, allocating more than 3.2GB of RAM will not yield any better results (and may in fact starve your host operating system of RAM).*
  2. If you have more than one hard drive, place the VHD file on a drive that is different from your system drive. Use the faster spindle rate if it is a mechanical drive or use an SSD drive. If you use an external hard drive, faster interfaces such as eSata or Firewire 800 will work better. Be careful with slower, laptop drives and USB 1.1 interfaces.

## Activation Prompts

* 1. You will receive Windows activation messages while using this VM. You can ignore / cancel these activation dialogs when prompted. If you want to get rid of these activation warnings you can activate the operating system using your own product key (e.g. from your MSDN Subscription).
  2. 
  3. 

## Disabled Services

* 1. Two services have been disabled in this VHD to improve the overall performance: the SharePoint Timer Service (owstimer.exe), and the Team Foundation Server analysis services jobs. On a normal production deployment of SharePoint or Team Foundation Server, these services run periodically to perform such services as processing changes to the Team Foundation Server data warehouse and updating reports. But since a virtual machine such as this one is only booted periodically, these jobs can become very backlogged and may take a long time to process once the VM is booted. Since none of the labs and demos which are authored for use with this VM require these jobs to be active, they have been disabled. Depending on what you are using this VHD for, you might consider turning these services back on. The SharePoint Timer Service can be accessed via the Services control panel applet, and the Team Foundation Server analysis services jobs are accessible for the TFS Administration Console.

## How to Log In

* 1. All the accounts use the same password: **P2ssw0rd** (capital letter P, the number two, the letter s, the letter s, the letter w, the number zero, the letter r, and the letter d).

### Virtual PC 2007

* 1. Press the Right Alt key + Delete.

### Hyper-V, Hyper-V R2, and Windows Virtual PC

* 1. Press Ctrl+Alt+End when using the console interface.

## Feedback

* 1. If you have comments or general feedback, please e-mail [vskitfdbk@microsoft.com](mailto:vskitfdbk@microsoft.com).