# Notes

**Playlist**

* Getting Started with Python Development in Visual Studio: <https://www.youtube.com/playlist?list=PLReL099Y5nRdLgGAdrb_YeTdEnd23s6Ff>

**Getting Started**

* Step 1: <https://www.youtube.com/watch?v=_okUV47eM5c>
* Step 2: <https://www.youtube.com/watch?v=KHPoVpL7zHg>
* Step 3: <https://www.youtube.com/watch?v=uZGZNEyyeKs>
* Step 4: <https://www.youtube.com/watch?v=bO7wpzgy74A>
* Step 5: <https://www.youtube.com/watch?v=yc2CROtTsC0>
* Step 6: <https://www.youtube.com/watch?v=FJx5mutt1uk>

**Deep Dive**

1. Native Modules: <https://www.youtube.com/watch?v=D9RlT06a1EI>
2. Source Control: <https://www.youtube.com/watch?v=Aq8eqApnugM>
3. Django Website: <https://www.youtube.com/watch?v=WG3pGmoo8nE>
4. Cross-platform Remote Debugging: <https://www.youtube.com/watch?v=y1Qq7BrV6Cc>
5. Interpreters: <https://www.youtube.com/watch?v=KY1GEOo3qy0>

# Getting Started: Title/Description

|  |  |  |
| --- | --- | --- |
| Title | Description | Notes |
| Visual Studio Python Tutorial 1/6: Setting up Visual Studio for Python Development | In this Connect(“Learn”); Python tutorial we’ll walk you through getting setup and going with our free Python Tools for Visual Studio, available to all customers, including those using our free Visual Studio Community edition.  We’ll review the basics of understand the combination of tools you’ll need, then walk you through the installation and environment configuration steps, including required dependencies such as Python itself.  Don’t have Visual Studio? Get Visual Studio Community for free: <https://visualstudio.com/community>  Don’t have Visual Studio Tools for Python? Get them free: <http://aka.ms/ptvs> |  |
| Visual Studio Python Tutorial 2/6: Start Coding | In this Connect("Learn"); Python tutorial we’ll walk you through how Visual Studio interacts with a Python project structure. We’ll then explore the Solution Explorer and help you easily create new projects using built-in project templates. |  |
| Visual Studio Python Tutorial 3/6: Editing Python code using the Visual Studio Editor | In this Connect("Learn"); tutorial we’ll show you how the code editor in Visual Studio helps Python developers find libraries, classes and functions, making you more productive.  To walk you through these features, we’ll use Visual Studio to write a simple program that demonstrates the benefits of our tools. |  |
| Visual Studio Python Tutorial 4/6: Debugging Python code | In this Connect("Learn"); tutorial we'll show you how the debugger in Visual Studio lets you "break into" running code and investigate application state, variable state and much more.  You’ll learn how our debugging capabilities go beyond what other tools can do, how they help you verify that code is running as expected and resolve code errors. |  |
| Visual Studio Python Tutorial 5/6: Interactive Python | In this Connect(“Learn”); tutorial we’ll look at the Python Interactive window that’s built right into Visual Studio.  This window will be familiar to Python developers and new for many Visual Studio users. We’ll show you this feature helps you iterate faster by seeing Python execution results immediately without the need for running the full project. |  |
| Visual Studio Python Tutorial 6/6: Building a Website | In this Connect(“Learn”); tutorial we’ll create a simple Python web site using Visual Studio.  For this tutorial we’ll use a sample projects written using Bottle and publish it to the public internet on the Azure cloud, all within a three minute video. |  |

# Deep Dive: Title/Description

|  |  |  |  |
| --- | --- | --- | --- |
| Order | Title | Description | Notes |
| 2 | How to integrate Python Projects with Source Control using Visual Studio | In this video, we’ll show you how you can use Visual Studio’s source control support to manage your Python projects on GitHub and Visual Studio Online. |  |
| 5 | Working with Python Interpreters using Visual Studio | In this video, we’ll look at how to work with multiple versions of Python and make use of the vast array of libraries available to you. |  |
| 4 | Cross-platform Remote Debugging of Python code using Visual Studio | In this video, we’ll be running our Python script on a remote Linux machine and debugging it using Visual Studio. |  |
| 1 | Building Native Modules with Python using Visual Studio | In this video, we’ll show you how to set up Visual Studio to build, test and debug your native extensions for Python. |  |
| 3 | Building a Django Python Website using Visual Studio | In this video, we’ll set up a Django website with a MySQL database on Microsoft Azure. |  |

# Suggested Mapping

From 1 (Installation)

                None

From 2 (Projects)

                20150317-Python\_03 (Interpreters and Packages)

                20150317-Python\_04 (Version Control Systems)

From 3 (Editing)

                20150317-Python\_03 (Interpreters and Packages)

From 4 (Debugging)

                20150317-Python\_02 (Remote Debugging)

                20150317-Python\_01 (Mixed Python/C++)

From 5 (Interactive)

                None (still haven’t got this video done…)

                If possible, <http://channel9.msdn.com/events/Build/2014/3-631> at 20:19 would be good

From 6 (Web/Bottle)

                20150317-Python\_05 (Web/Django)

                Also <https://www.youtube.com/watch?v=eql-crFgrAE> would be good, but the other is preferable

# Top Keywords

Source: 'Kerry Ryan' [Kerry@hansonconsultgroup.com](mailto:Kerry@hansonconsultgroup.com) on 4/3/2015

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| --- | --- | --- | --- |
| **Topic** | **Funnel** | **Keyword** | **Sum of Search Volume** |
| **Python development** | **mid** | python ide | 27100 |
|  |  | python editor | 5400 |
|  |  | best python ide | 5400 |
|  |  | ide python | 2400 |
|  |  | python debug | 2400 |