

# DJANGO & WINDOWS





# WHO AM I?

- Wes Thomas
- [github.com/westhomas](https://github.com/westhomas)

# WHY?

- Why run django on Windows?
  - Limited options
  - You like Windows

# OPTIONS

- **Apache2**
  - (AMPPS or just Apache)
- mod\_wsgi + Python2.7
- Moderately difficult to configure
- Well documented
- It works



# OPTIONS

- PyISAPIe
- <http://pyisapie.sourceforge.net>
- ISAPI Extension, WSGI compliant
- Requires manual IIS configuration
- Difficult to configure, inconsistent documentation
- Last release Q2-2010

# OPTIONS

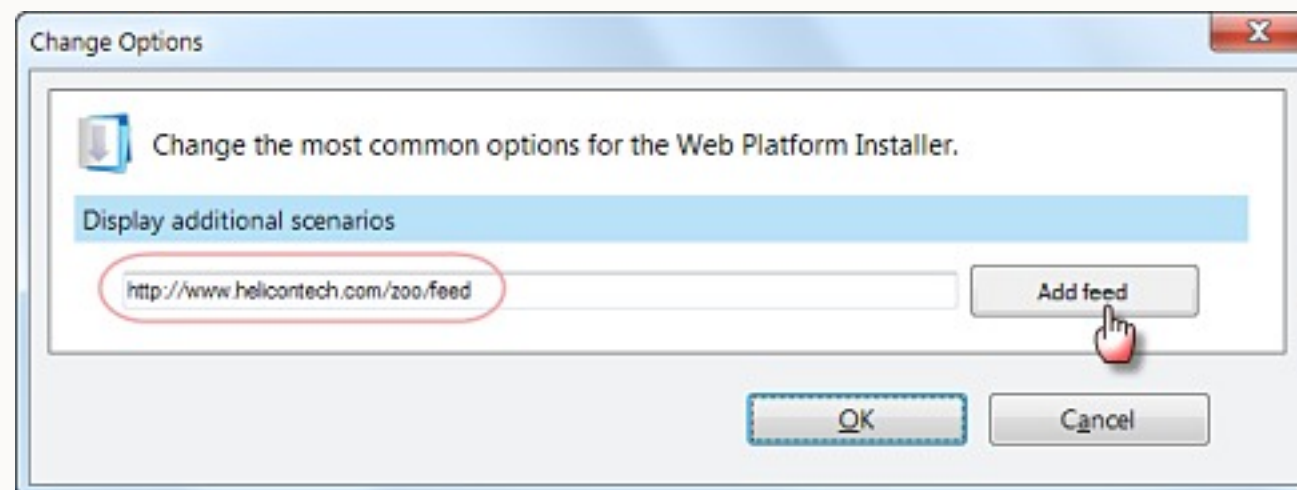
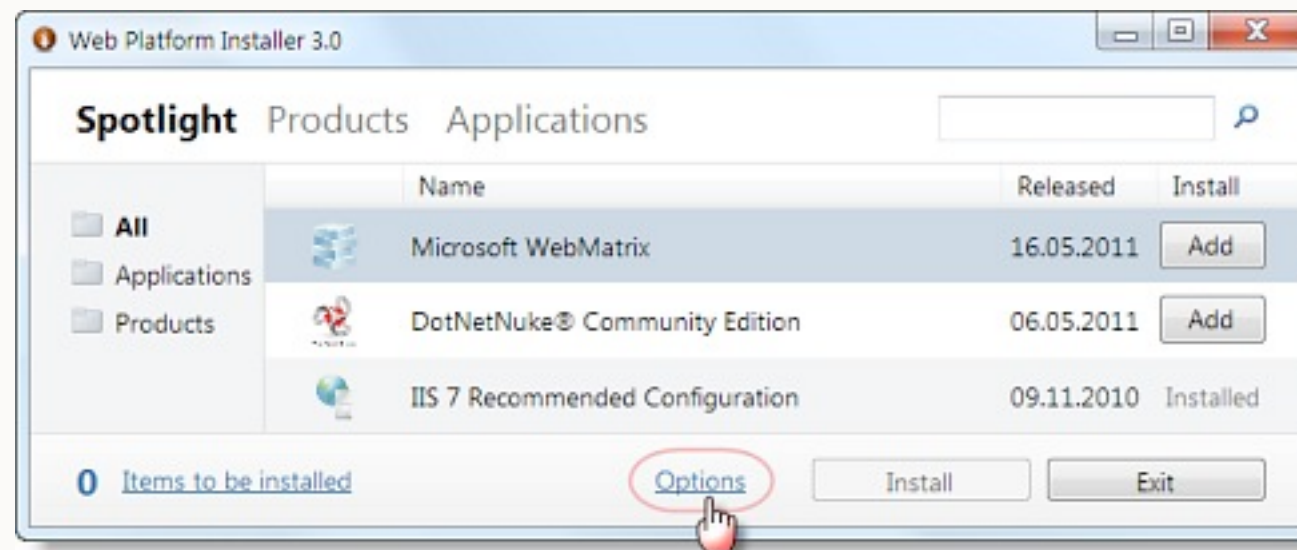
- **Helicon Zoo**
- Super easy to install and configure, by far
- Good documentation
- Nifty extras (deploy file)
  - Might break

# ZOOLOGY

- Follow the bouncing ball:
  - <http://www.helicontech.com/articles/running-django-on-windows-with-performance-tests/>
- Microsoft Web Platform Installer
  - <http://www.microsoft.com/web/downloads/platform.aspx>

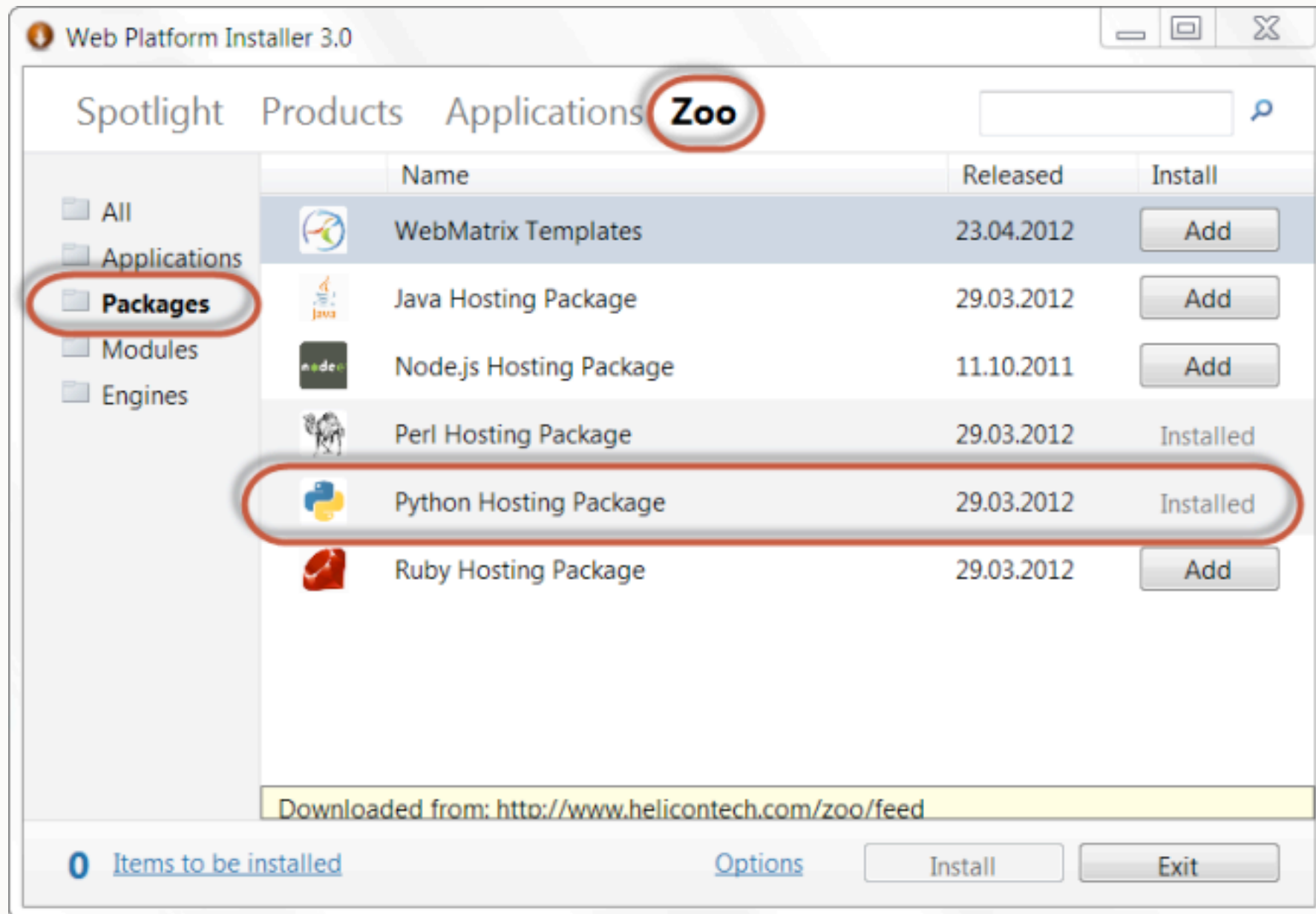


# ZOOLOGY

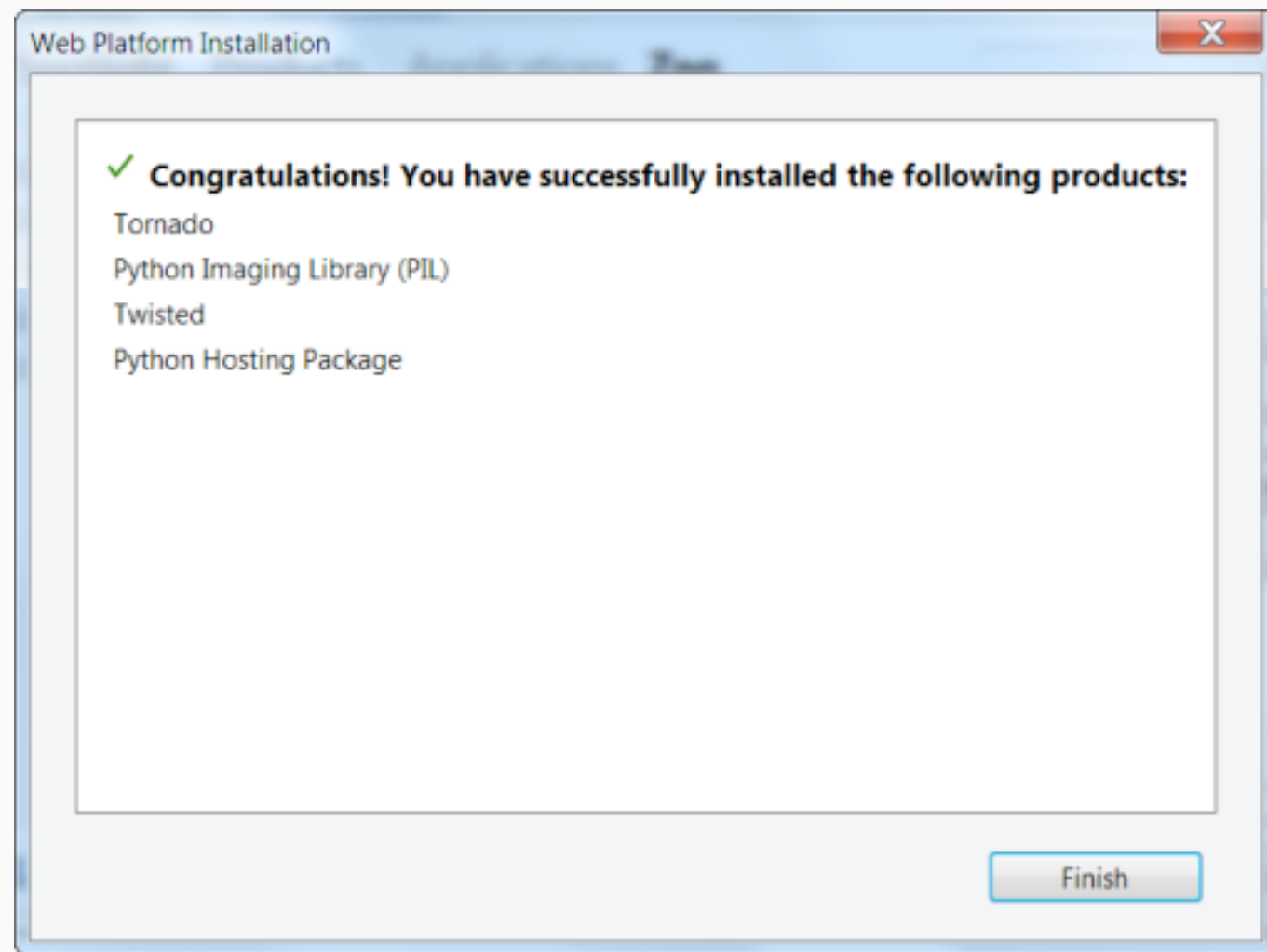




# ZOOLOGY



# ZOOLOGY





# ZOOLOGY

- Add C:\Python27 to PATH for the system
- Remove global django & south from C:\Python27\Lib\site-packages
- Install Python for Windows extensions:
  - <http://sourceforge.net/projects/pywin32/files/pywin32/>
  - No pip install available

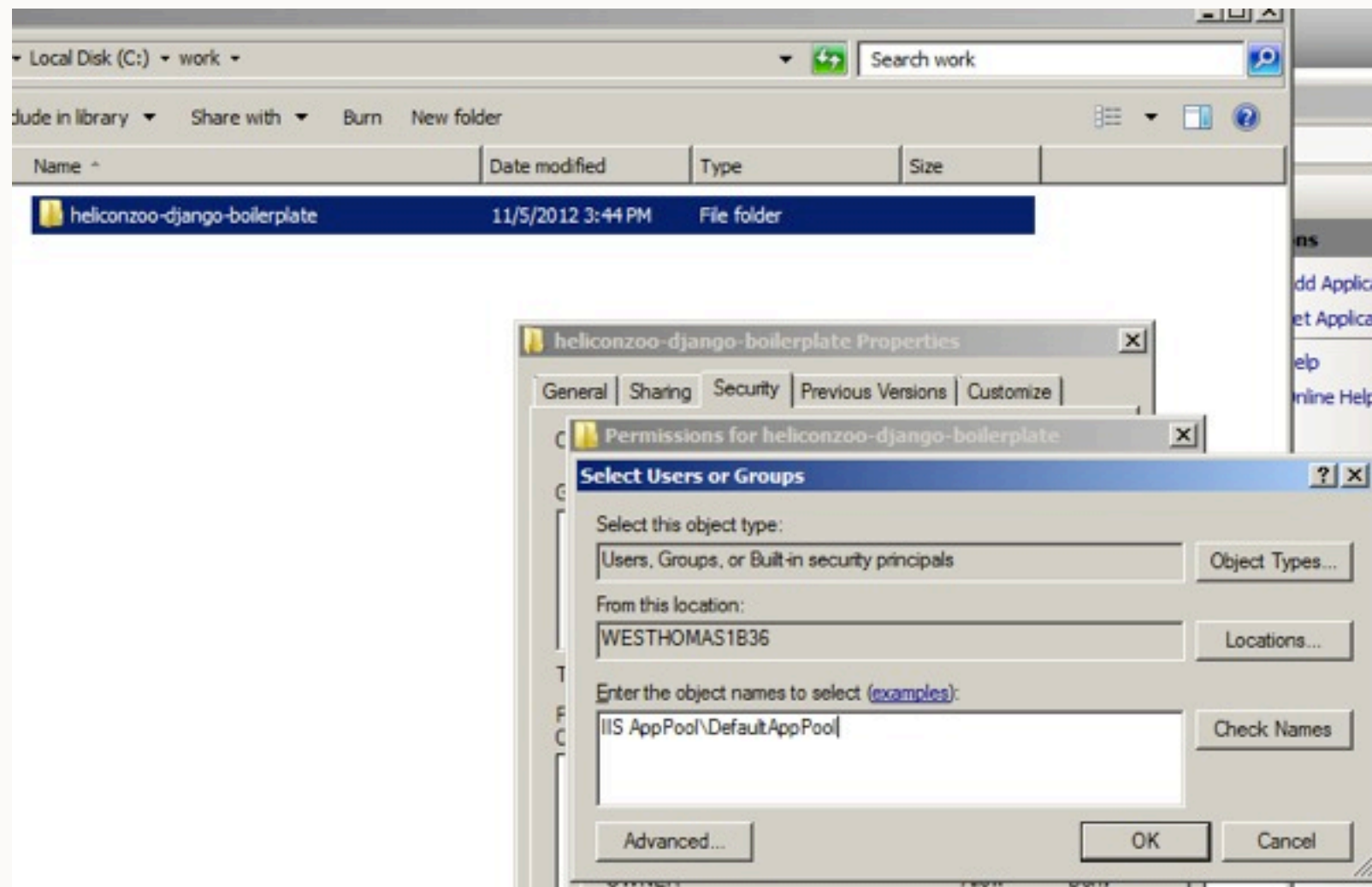
# ZOOLOGY

- Checkout code
- Create database
- Add virtual directories for static or collect static



# ZOOLOGY

- Give AppPool permissions to install directory



# NIFTY FEATURES

- Web Config setting: DEPLOY\_FILE
  - Allows running python file every time app pool is reloaded
  - Great for running pip
  - Documentation:
    - <http://www.helicontech.com/zoo/module.htm>



# REAL WORLD USAGE

- Two days before going live, it broke
- Ended up using Apache2
- Pursuing solution to problem

# MOAR!

- Want more?
  - <https://code.djangoproject.com/wiki/DjangoOnWindowsWithIISAndSQLServer>
- Get the code:
  - <https://github.com/westthomas/heliconzoo-django-boilerplate>