**Sending MSMQ Messages Using Python**

Send MSMQ messages using python

MSMQ is a message queue in the Windows environment, very much like RabbitMQ. MSMQ can be used as a task queue or for communicating between processes. One advantage of using MSMQ rather than inter-process communication (IPC) is that messages have persistence. Here I show how to send and receive MSMQ messages using python.

**Setting Up MSMQ on Windows 7**

Before we can proceed with the code, here is a quick note on set-up. To setup MSMQ (disabled by default) go to *Control Panel* -> *Programs and Features* -> *Turn Windows Features on or off* (on the left panel). Now check *Microsoft Message Queue(MSMQ) Server* if it is not checked. Hit OK. Now we have enabled MSMQ server.

Now that we have the MSMQ server up and running, lets create a private queue so we can use in our script. To do that, go to *Control Panel* -> *Administrative Tools* -> *Computer Management*. Expand *Services and Applications* -> *Message Queuing*. Select *Private Queues* under *Message Queuing* and right-click and click *New*. Now in the dialog box put a *Queue Name*, for this example purpose, say ***InputQueue*** *and* ***OutputQueue*** and click OK.

**Installing PyWin32**

To send and receive MSMQ messages you need the awesome Python for Windows Extension module, [PyWin32](http://sourceforge.net/projects/pywin32/) by Mark Hammond. Once you have completed installation, you can check if your installation is fine by trying import win32com. If you don't get any errors, then you are good to go.

**Sending MSMQ Messages**

Start A main.py

Voila! We have sent our message. You can check if the message was sent properly by checking under *Control Panel* -> *Administrative Tools* -> *Computer Management* -> *Services and Applications* -> *Message Queuing* -> *Private Queues* -> *KaruthQueue* -> *Queue Messages*. Right click and refresh after you have run the script, if you don't see any. You should see an entry there that corresponds to the message that was sent

**Receiving MSMQ Messages**

Then run B main.py

Have fun messaging!

Materials used:

https://gouthamanbalaraman.com/blog/sending-msmq-messages-python.html