

F

w

I

w

S

F

w

F

	w	
	F	

w

w

Python
Python

OS

F

F

F

F ct

Hadoop

HDFS HDFS ;
HDFS
Hive
HQL

Python
HTTP
HTTP
Cookie

urllib3 Requests HTTP
Chrome Xpath Beautiful Soup
JSON

matplotlib pyplot

	w	w w w
	F	F F F F F F F F F F
		ct ct FSS ct

		! ct
	s /	! ct
		! ct
		! ct