

xc

sg k

x

sg k
R

xc

sg k

xc

	sg k	
	xc	

sg k

sg k

Python
Python

1

2

OS

1

xc

xc

E

Hadoop

1 HDFS HDFS ;
Hive
HQL

1

Python
HTTP
HTTP
Cookie

urllib3 Requests HTTP
Chrome Xpath Beautiful Soup
JSON

1

matplotlib pyplot

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	sg k	sg k sg k sg k
	xc	xc xc xc E xc xc
		tff tff s RR x t f e t f t f xsg

		gss ? k gs
	R	gss ? s ffk e ks s sx gs c
		gss ? s ffk e ks s sx gs c
		gss ? s ffk e ks s sx gs c