

Distributed Storage




Generator

Item:

Size:

Generate & Send to Balancer




Balancer

ID	Type	Size (MBs)	Store

Store #1 0

Store #2 0

Store #3 0




Store #1

ID	Type	Size (MBs)

Total Storage Used (MBs): 0

Register Store



Store #2

ID	Type	Size (MBs)

Total Storage Used (MBs): 0

Register Store



Store #3

ID	Type	Size (MBs)

Total Storage Used (MBs): 0

Register Store

Generator

Item:

Item4

Size:

200

Generate & Send to Balancer

Balancer

ID	Type	Size (MBs)	Store
512005971	Item1	500.0	[Store1, Store3]
-795128016	Item2	300.0	[Store2, Store1]
-1747279333	Item3	1000.0	[Store3, Store2]
-1423847394	Item4	200.0	[Store3, Store1]

✓

Store #1

1000

✓

Store #2

1300

✓

Store #3

1700

Store #1

ID	Type	Size (MBs)
512005971	Item1	500.0
-795128016	Item2	300.0
-1423847394	Item4	200.0

Total Storage Used (MBs):

1000

Register Store

Store #2

ID	Type	Size (MBs)
-795128016	Item2	300.0
-1747279333	Item3	1000.0

Total Storage Used (MBs):

1300

Register Store

Store #3

ID	Type	Size (MBs)
512005971	Item1	500.0
-1747279333	Item3	1000.0
-1423847394	Item4	200.0

Total Storage Used (MBs):

1700

Register Store