Big Data Hadoop Certification Training  Module 1: Understanding Big Data and Hadoop  Assignment:  Data to store = 100 TB  RAM = 8 9B  HDD = 10 TB  Read-write speed = 100 MB/s  Replication factor = 3  Block size = 64 MB  Reading 100 TB data at a speed of 100 MB/s  using only 1 node = 1048576 sec  So data to read in 5 minutes = 300 sec  Let 2 be the number of data nodes required to read 100 TB of data in 5 minutes (300 sec)  28 x 300 = 1 x 10 \$8576  x = 1048576/300  = 3495.25 \$\times 3495  clata nodes.	21/02/2018
Module 1: Understanding Big Data and Hadoop  Assignment.  Data to store = 100 TB  RAM = 8 9B  HDD = 10 TB  Read-write speed = 100 mB/s  Replication factor = 3  Block size = 64 MB  Reading 100 TB data at a speed of 100 MB/s  using only 1 node = 1048576 sec  So data to read in 5 minutes = 300 sec  Let 2 be the number of data nodes required to read 100 TB of data in 5 minutes (300 sec)  25 x 300 = 1 x 1048576  x = 1048576/300	Big Data Hadoop Certification training
Assignment.  Data to store = 100 TB  RAM = 8 GB  HDD = 10 TB  Read-write speed = 100 mB/s  Replication factor = 3  Block size = 64 MB  Reading 100 TB data at a speed of 100 MB/s  using only 1 node = 1048576 sec  So data to read in 5 minutes = 300 sec  Let 2 be the number of data nodes required to read 100 TB of data in 5 minutes (300 sec)  25 ince, we are reading 100 TB of data  x = 1648576/300	Module 1: Understanding Big Data and
Pata to store = 100 TB  RAM = 8 GB  HDD = 10 TB  Read-write speed = 100 mB/s  Replication factor = 3  Block size = 64 MB  Reading 100 TB data at a speed of 100 MB/s  using only 1 node = 1048576 sec  So data to read in 5 minutes = 300 sec  Let 2c be the number of data nodes required to read 100 TB of data in 5 minutes (300 sec)  25 x 200 = 1 x 1048576  2048576/300	Hadoop
RAM = 8 GB  HDD = 10 TB  Read-write speed = 100 mB/s  Replication factor = 3  Block size = 64 MB  Reading 100 TB data at a speed of 100 MB/s  using only 1 node = 1048576 sec  So data to read in 5 minutes = 300 sec  Let 2c be the number of data nodes sequired to read 100 TB of data in 5 minutes (300 sec)  25 ince, we are reading 100 TB of data  x = 1048576/300	
RAM = 8 GB  HDD = 10 TB  Read-write speed = 100 mB/s  Replication factor = 3  Block size = 64 MB  Reading 100 TB data at a speed of 100 MB/s  using only 1 node = 1048576 sec  So data to read in 5 minutes = 300 sec  Let 2c be the number of data nodes sequired to read 100 TB of data in 5 minutes (300 sec)  25 ince, we are reading 100 TB of data  x = 1048576/300	> Data to Store = 100 TB
Read-write speed = 100 mB/s  Replication factor = 3  Block size = 64 MB  Reading 100 TB data at a speed of 100 MB/s  using only 1 node = 1048576 sec  So data to read in 5 minutes = 300 sec  Let 2c be the number of data nodes required to read 100 TB of data in 5 minutes (300 sec)  25 ince, we are reading 100 TB of data  x = 1048576/300	
Read-write speed = 100 mB/s  Replication factor = 3  Block size = 64 MB  Reading 100 TB data at a speed of 100 MB/s  using only 1 node = 1048576 sec  So data to read in 5 minutes = 300 sec  Let 2c be the number of data nodes required to read 100 TB of data in 5 minutes (300 sec)  scince, we are reading 100 TB of data  x = 1648576/300	
Reading 100 TB data at a speed of 100 MB/s  Reading 100 TB data at a speed of 100 MB/s  using only 1 node = 1048576 sec  So data to read in 5 minutes = 300 sec  Let 2c be the number of data nodes required to read 100 TB of data in 5 minutes (300 sec)  28 ince, we are reading 100 TB of data  x = 1048576/300	
Reading 100 TB data at a speed of 100 MB/s using only 1 node = 1048576 sec  So data to read in 5 minutes = 300 sec  Let x be the number of data nodes required to read 100 TB of data in 5 minutes (300 sec)  scince, we are reading 100 TB of data  x = 1048576/300	Replication factor = 3
Let x be the number of data modes required to read 100 TB of data in 5 minutes (300 sec)  Scince, we are reading 100 TB of data  8 x 300 = 1 x 1048576/300	Block size = 64MB
Let x be the number of data modes required to read 100 TB of data in 5 minutes (300 sec)  Scince, we are reading 100 TB of data  8 x 300 = 1 x 1048576/300	Reading 100 TB data at
Let x be the number of data modes required to read 100 TB of data in 5 minutes (300 sec)  Scince, we are reading 100 TB of data  8 x 300 = 1 x 1048576/300	using only 1 made = 100 MB/s
Let x be the number of data modes required to read 100 TB of data in 5 minutes (300 sec)  Scince, we are reading 100 TB of data  8 x 300 = 1 x 1048576/300	J 1000 - 1048576 sec
Let x be the number of data modes required to read 100 TB of data in 5 minutes (300 sec) Since, we are reading 100 TB of data of x 300 = 1 x 1048576/300	So data to read in si
Let x be the number of data modes required to read 100 TB of data in 5 minutes (300 sec) Since, we are reading 100 TB of data of x 300 = 1 x 1048576/300	5 minuties = 300 sec
x = 1048576/300	Let 20 be the number of
x = 1048576/300	to read 100 TB of 11 bi data modes sequired
x = 1048576/300	26 ince 1100 auta in 5 minutes (300 sec)
2 = 1848576/300	or x 200 = 1 inding 100TB of olde
= 3495.25 \( \times 3495	X 048576
To read 100TB Jal = 15.25 \$ 3495	= 34 % 300
	To read 100TB Jul 1 = 15.25 \$ 349.5
data nodes. David mins would nous 2105	data nodes. David mins would nous 2105

Scanned by CamScanner