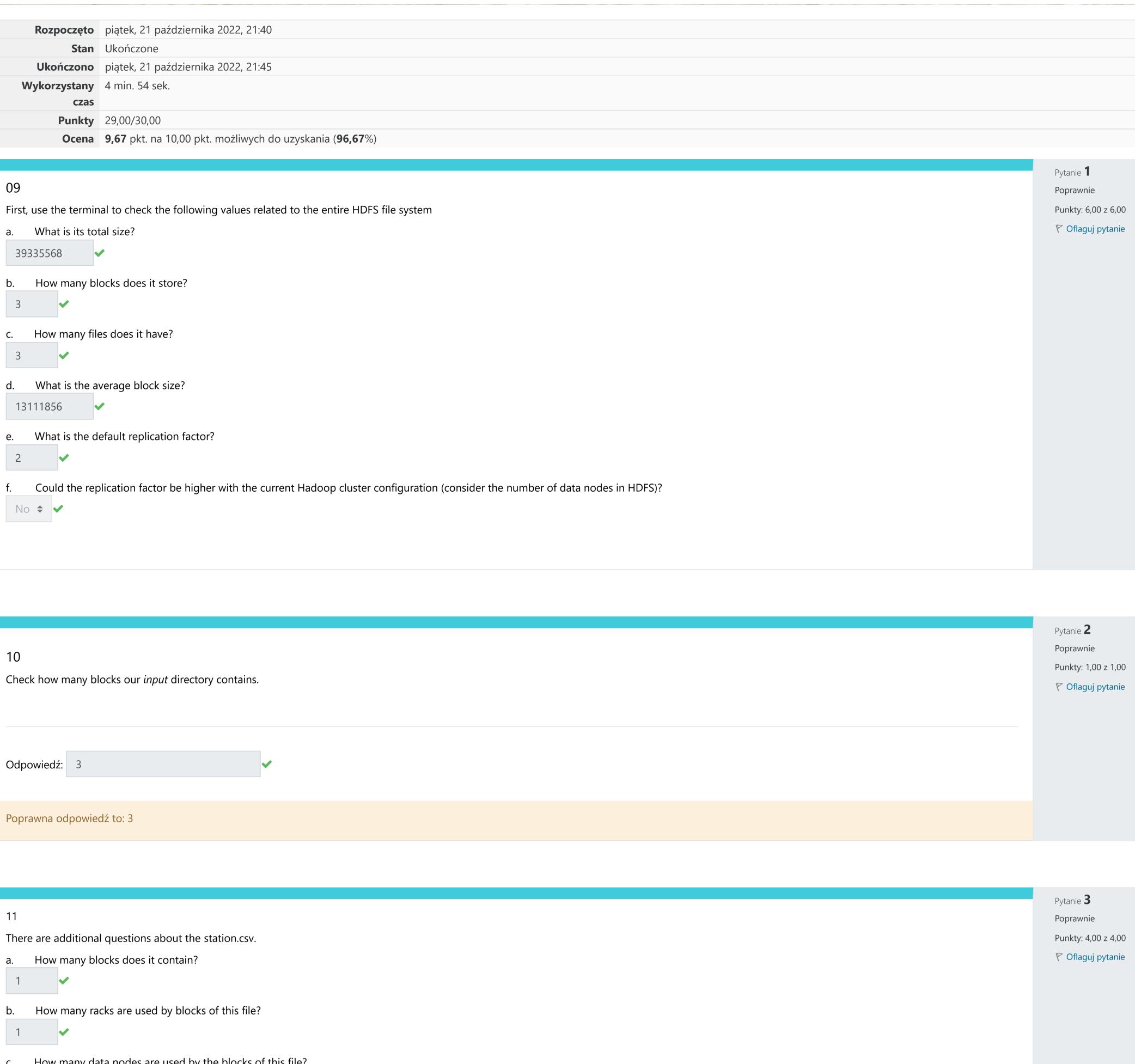
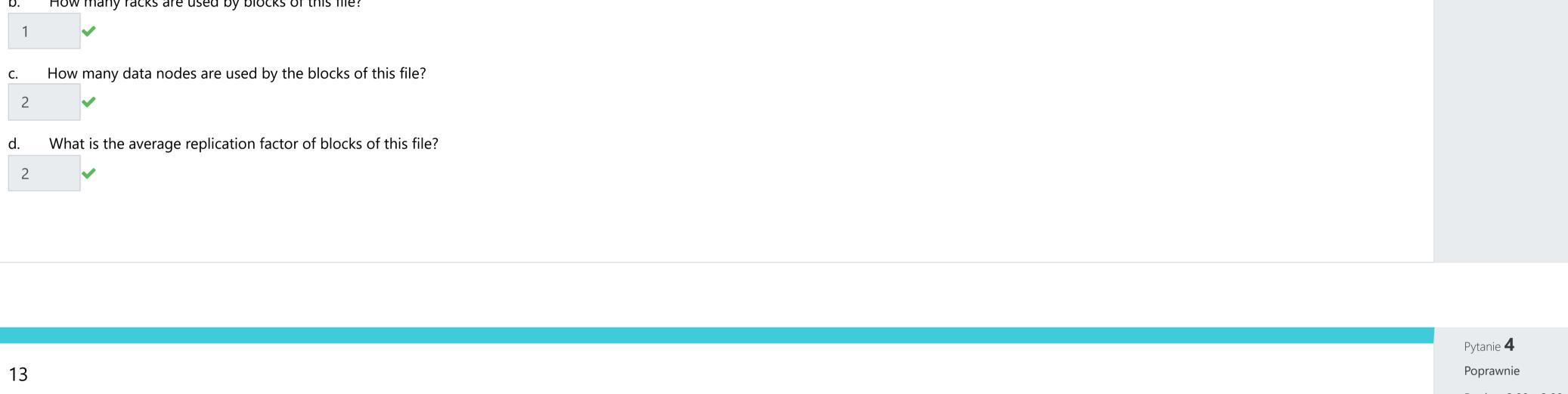
## PO12: Przetwarzanie Big Data 22/23-Z

Strona główna / Moje kursy / WliT / Informatyka / Stacjonarne / I stopień / Semestr 7 [WliT-Inf-st-I] / PO12: Przetwarzanie Big Data 22/23-Z / 3. HDFS, YARN / HDFS, YARN - zadania - zarejestruj swoje rozwiązania tutaj





Punkty: 3,00 z 3,00 Use the first command (hdfs dfsadmin -report) to get answers to the following questions: Oflaguj pytanie How many DataNodes are used? How much data space is still available (DFS Remaining) at cluster level? 74716868608 How much data space is available (Configured Capacity) on each DataNode? 52589998080

Pytanie **5** 14 Poprawnie Use the second command (hdfs getconf -confKey <key>) to get answers to the questions below. Where (in what directory on the local file system) is data managed by the DataNodes stored (dfs.datanode.data.dir)? /hadoop/dfs/data **V** What is the maximum number of threads that support data transfer between clients and the data node (dfs.datanode.max.transfer.threads)? hdfs getconf -confKey dfs.datanode.max.transfer.threads 4096 What is the maximum number of files managed by NameNode? Assume the maximum size of NameNode Java heap size is 1 GB and the replication factor is 1. Tips on how to calculate it you can find at: https://www.cloudera.com/documentation/enterprise/5-8-x/topics/admin\_nn\_memory\_config.html 3333333

Punkty: 3,00 z 3,00 Oflaguj pytanie

Nawigacja w teście

Pokaż jedną stronę na raz

Zakończ przegląd

```
Pytanie 6
15
                                                                                                                                                                                                                Częściowo
                                                                                                                                                                                                                poprawnie
Use the Google Cloud Platform console and page related to your Dataproc cluster. Click on the Web Interfaces tab, and run the page with the NameNode interface available at the HDFS NameNode link.
Use this interface to answer the following questions
   How many DataNodes are active?
     What is the actual size of Max Heap Memory? For the actual replication factor, calculate the maximum number of files that the NameNode can manage.
Maximum number of files: 480000000
```

Note that you can browse the HDFS file system using this interface.

Punkty: 1,00 z 2,00 Oflaguj pytanie

```
Pytanie 7
19
                                                                                                                                                                                                                Poprawnie
Answer the following questions
                                                                                                                                                                                                               Punkty: 4,00 z 4,00

♥ Oflaguj pytanie

     How much memory (MB) is allocated to all containers (yarn.nodemanager.resource.memory-mb)?
 6144
     What is the smallest amount of memory allocated per one container (yarn.scheduler.minimum-allocation-mb)?
     What percentage of physical processors on the work node can be used by containers (yarn.nodemanager.resource.percentage-physical-cpu-limit)?
 100
     How many virtual CPU cores have been declared (yarn.nodemanager.resource.cpu-vcores)?
                                                                                                                                                                                                               Pytanie 8
29
```

```
Poprawnie
Answer the following questions:
                                                                                                                                                                                                         Punkty: 4,00 z 4,00
                                                                                                                                                                                                         Oflaguj pytanie
     What was the name of the MapReduce application (Job Name)? Where did it come from? Where can you change it?
     Under which queue was this application executed?
Name of the queue: default
    What is the current finalStatus of this application?
Name of the finalStatus: SUCCEEDED ✓
     How many Map task units have been used?
e. How many Reduce task units have been used?
```

```
Pytanie 9
                                                                                                                                                                                                             Poprawnie
Go to the Counters page (Job->Counters) for this job
                                                                                                                                                                                                             Punkty: 3,00 z 3,00

♥ Oflaguj pytanie

a. How many bytes have been read from HDFS?
b. How many bytes have been saved to HDFS?
 121
    How many bytes have been saved to local file systems?
 986677
```