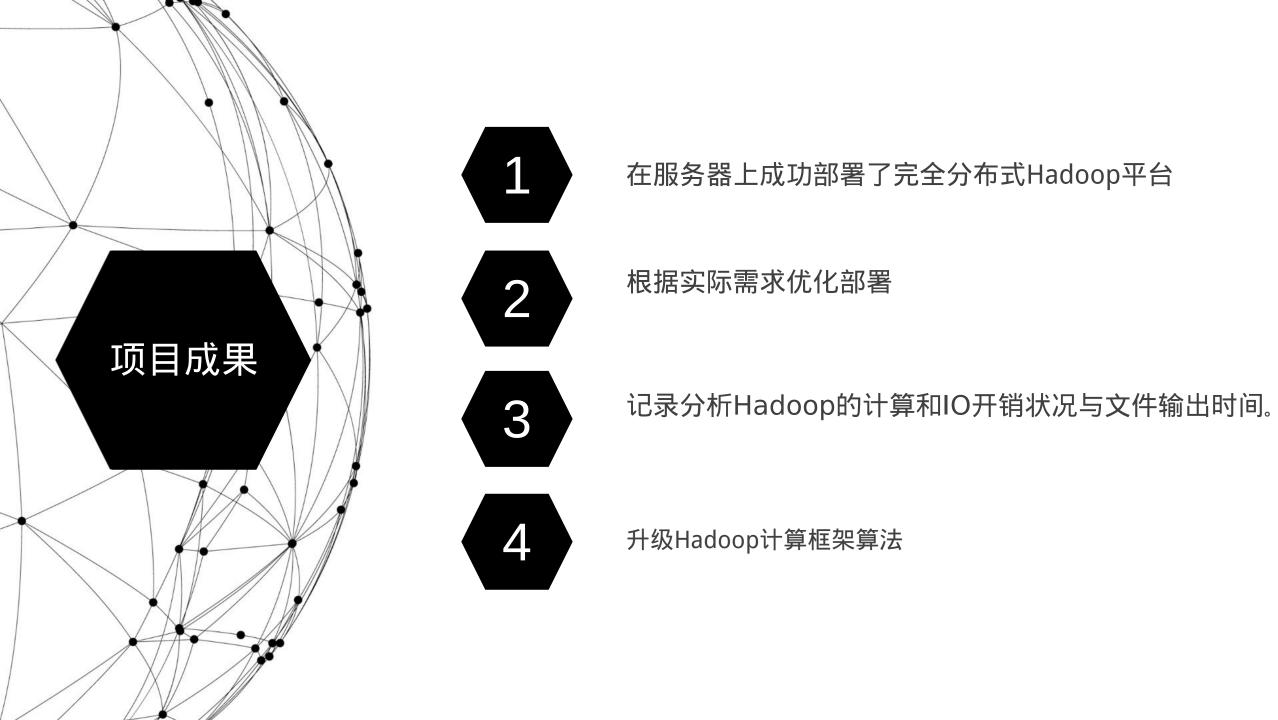


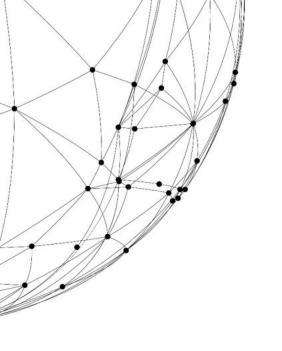
Hadoop大数据处理行为痕迹记录的创新应用

指导老师: 张至柔、吴娟

负责人: 杨秉学 13756697779

组员: 刘俊龙 18072264663







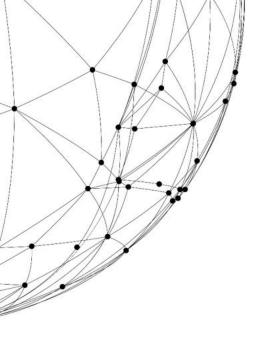
在服务器上成功部署了完全分布式Hadoop平台





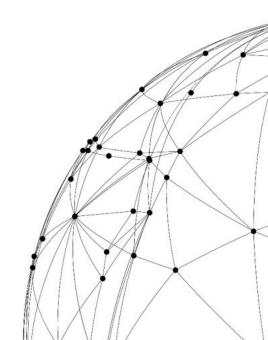
4 Web方式检测DataNode运行状 况

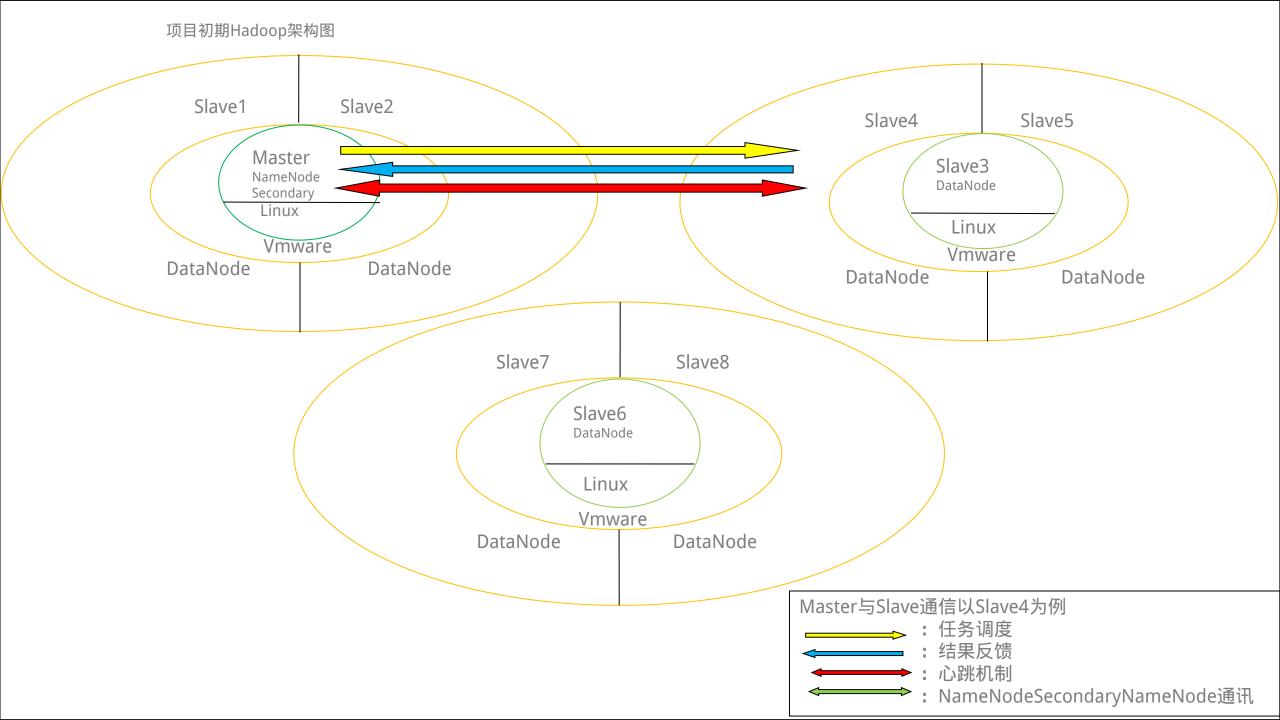
| Overview 'ma | aster:9000' (active) |
|--|---|
| Started: | Ser Apr 20 08:47:08 CST 2019 |
| Version: | 2.7.7, rclasd84bd27cd79c3d1a7dd58282a8c3eeled3ac |
| Compiled: | 2018-07-18T22-47Z by stevel from branch-2.7.7 |
| Cluster ID: | CID-797e718c-d18b-4dc8-se8c-s8e73192507a |
| Block Poel ID: | BP-978475246-202.204.65.41-1555720390591 |
| Security is elf. Saferrode is elf. | |
| Saferrode is off. 7 files and directories, 0 blo Heap Memory used 73.94 M | ocks = 7 stati flesystem skjectid. 1888 131 SM messy Mariniy Max Hally Menocy's 889 989. 171 Will 48 64 SM Dec Mariniy Max Hally Menocy's 889 989. 171 Will 48 64 SM Dec Marinik Skon-Neigh Menocy's Max Non-Neigh Menocy's 1. B. |
| Saferrode is off. 7 files and directories, 0 blo Heap Memory used 73.94 M | RE of 318 ME Heap Memory, Max Heap Memory is 889 MB. |
| Safernode is off. 7 files and directories, 0 blo Heap Memory used 73,94 M Non Heap Memory used 47. | r8 of 318 MB Hoop Memory, Max Heap Horrisory is 899 MB. .71 MB of 48:63 MB Committed Non-Heap Memory, Max Non-Heap Memory is -1 8. |
| Safemode is elf. 7 files and directories, 0 blo Heap Memory used 73.94 M Non Heap Memory used 47. Configured Capacity: | 48 of 318 MB Heep Memory, Max Heap Memory, Mas 99 MB. TI MB of 48.63 MB Committed Non-Heap Memory, Max Non-Heap Memory is 1 8. 298.85 GB |
| Saferrode is eff. 7 files and directories, 0 blo Heap Memory used 73.94 M Non Heap Memory used 47. Configured Capacity: DFS Used: | Re of 318 MB rings, Manning, Max Heagt Mininson'; in 893 MB. 71 MB of 46-03 MB Committed from Neop Memory, Max Born Heagt Mininson'; is 1 B. 299 JB of 46-03 MB Committed from Neop Memory, Max Born Heagt Mininson (1998) 48 MB (1998) |
| Saferrode is eff. 7 files and directories, 0 blo reap Memary used 73,94 M Non Heap Memory used 47, Configured Capacity; DFS Used: Non DPS Used: | Med I 131 MB Hollow Membry, Max Holly Bellowcy (6 889 MB. 7,7, 106 of 46.63 MB Connected flow froigh Membry, Max Mon Head Membry (6 1 B. 299 MB CB 48 MB |
| Salerrode is eff. 7 files and directories, 0 bit- rhosp Memory used 47,54 M Nite Irisap Memory used 47, Configured Capacity: DFS Used: Nen DFS Used: DFS Remaining: Block Poel Used: | Med 13 14M Series Memory Nat Hosp Memory Sell Hes. 21 MB of 44.63 MB Committed Non-Neurop Measury Max Non-Hessay Nat-12 22 825 GB 44 19 TNN 38 MB of 64 246 27 GB (23 22 NN) |

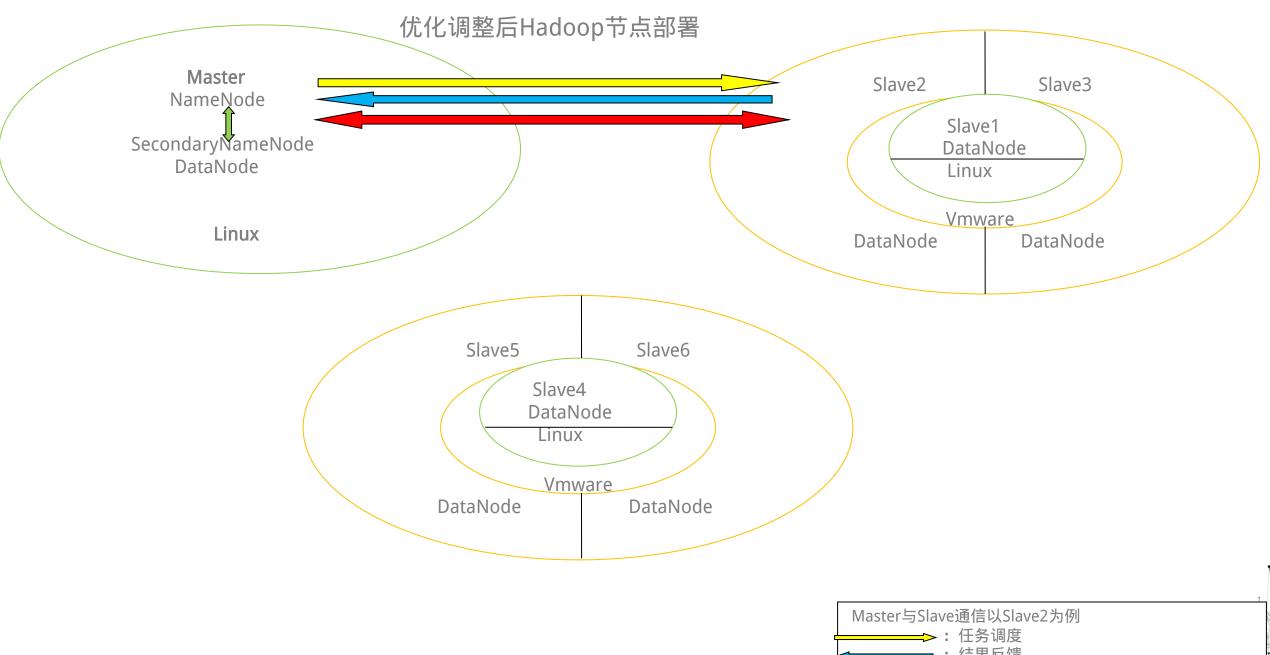




根据实际需求优化部署



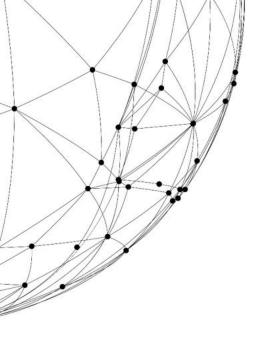




: 结果反馈

→: 心跳机制

⇒: NameNode与SecondaryNameNode通讯



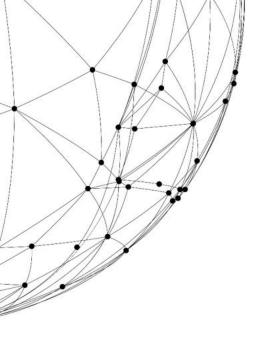


记录分析Hadoop的计算和IO开销状况与文件输出时间。





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➤ ③ WMap.java
➤ ② WReduce.java The state of the s ► # com.hadoop.service.impl > # com.hadoop.util ⊕ com.hadoop.video
 ▶ mi Referenced Libraries ▶ ■ JRE System Library [jdk] ► 😅 scala_test Read-Only Insert 1:53:52 要将输入定向到该虚拟机,请将鼠标指针移入其中或按 Ctrl+G。 440984917





优化Hadoop计算框架算法



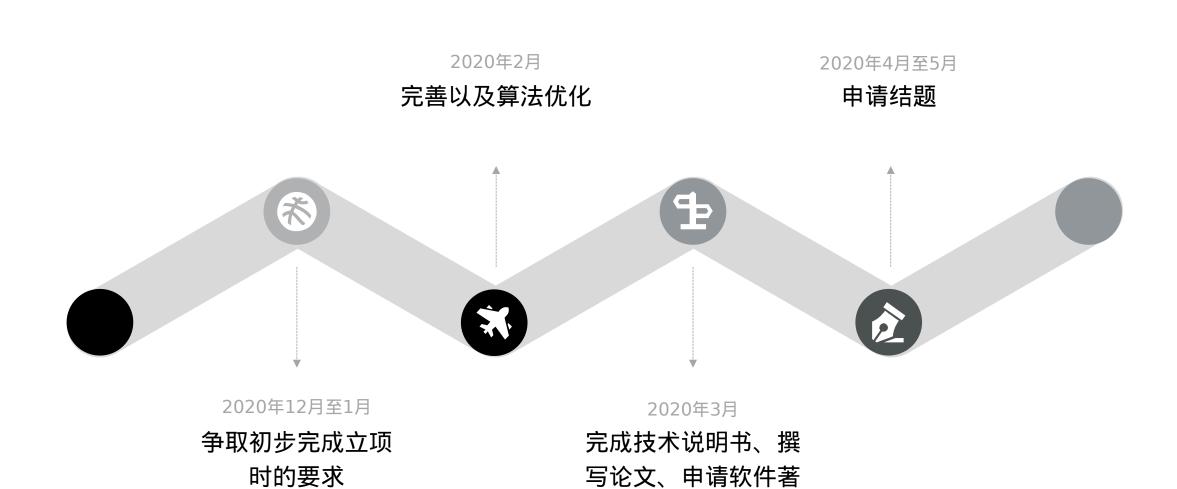
项目目前存在需要解决的主要问题

现在才有的算法是简单的for循环,没有经过优化 时间与空间复杂度比较高

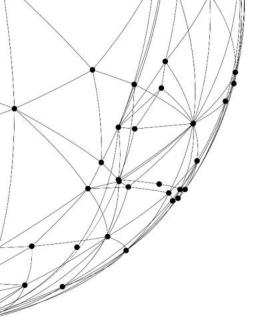
项目主要问题解决方案

算法优化,以满足我们在实际应用场景的需要 对用户行为的分片大小进行优化 未来可以放到学校网络教学平台进行测试,推广使用

下阶段主要计划及时间安排



作权



谢谢聆听!

