Mechanizm spójnych komentarzy dla wymiany danych w sieciach P2P

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Początki

Początki . . .

Początki

```
ON SENDSYNCHRONIZATION():
                                                 ON RECEIVES YNCHRONIZATION (ASKFORSYNC):
   message.file = fileToSunchronize
                                                     incomming msg type: SynchronizationMessage
   message.node = me
                                                     if me.isArbiter then
   message.type = ASKFORSYNC
                                                  2
                                                         if msg.file.version > files.getFile(msg.file.id).version then
   send(message, arbiter, SYNCHRONIZATION)
                                                  3
                                                             msg.file.version = files.getFile(msg.file.id).veersion + 1
 5
   try
                                                             msg.type = AGREED
                                                  4
        receiveDecision()
                                                             send(msg, msg.node, DECISION)
   catch (arbiterTimeout)
                                                  6
                                                         else
 8
        startElection()
                                                             msq.type = DISAGREED
 9
        waitForArbiter()
                                                             send(msq, msq, node, DECISION)
        return to step 1
10
                                                  9
                                                     else
                                                 10
                                                         msa.tupe = NOTARBITER
                                                 11
                                                         send(msa, msa, node, DECISION)
```

Początki

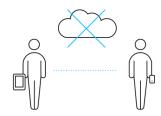
```
VNCHRONIZATION():
                                               ON RECEIVES YNCHRONIZATION (ASKFORS YNC):
  message. fileToSynchronize
                                                   incomming msg type: SynchronizationMes
  message.node = me
                                                  if me.isArbiter then
   message.type = ASKFORS.
                                                       if msg.file.version > C if le(msg.file.id).version then
   send(message, arbiter, SYNCHRON1.
                                                                       m = files.getFile(msg.file.id).veersion + 1
5 try
                                                               gpe = AGREED
       receiveDecision()
                                                         send(msg, msg.node, DECISION)
   catch (arbiterTimeout)
                                                      else
       startElection()
                                                          msg.type =
                                                                     4GREED
9
       waitForArbiter()
                                                           send(msq, msq.node.
                                                                                SION
10
       return to ster
                                                  else
                                               10
                                                       msg.type = NOTARBITER
                                               11
                                                       send(msg, msg.node, DECISION)
```

BTSync







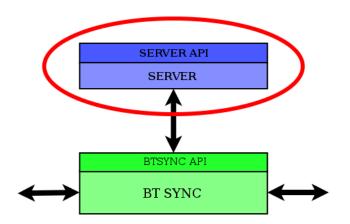


BTSync

BTSync:

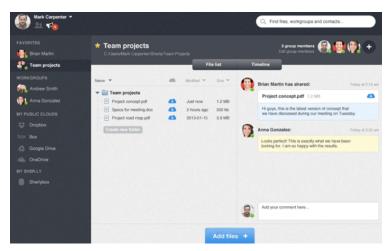
- bezpieczeństwo komunikacji (AES-128),
- bezpieczeństwo składowania danych (nie w chmurze),
- szybkość (BitTorrent),
- wieloplatformowość (Windows, Linux, Mac, mobilne OS),
- skalowalność (P2P).

Architektura

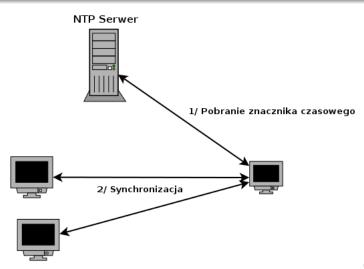


Struktura katalogu

Interfejs



Komentowanie



Dziękuję za uwagę

DZIĘKUJĘ ZA UWAGĘ

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