

decide to start a poll on the AU

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19:30:47.009: Debug: 3-V3Poller: ThreadId 3 is PollStarter
19:30:47.010: Debug3: 3-V3Poller: Last (poll/crawl) times: (-1/1395196219334) last agree0
threshold 3
19:30:47.011: Debug2: 3-V3Poller: Poll variant: Proof of Retrievability
19:30:47.038: Debug2: 3-V3Poller: NoAuSet: 0 aged-> 0, 2306w6d2h
19:30:47.042: Debug2: 3-V3Poller: Found available peers: 4
19:30:47.043: Debug3: 3-V3Poller: constructInnerCircle: quorum = 4, 4 available
19:30:47.043: Debug3: 3-V3Poller: findNPeers: 5
19:30:47.044: Debug2: 3-V3Poller: Pruned available peers: 4
19:30:47.044: Debug3: 3-V3Poller: Choosing 8 of 4 peers
19:30:47.045: Debug2: 3-V3Poller: Selected 4 participants for poll ID
17dJfabZ8unliW0t5nQ22y9tRMk=
```

19:30:47.104: Debug2: 3-V3Poller: Poll status: Starting -> Inviting Peers

```
19:30:47.116: Debug: 3-V3Poller: Scheduling V3 poll 17dJfabZ8unliW0t5nQ22y9tRMk= to
complete by [deadline: dur 10m29s, at 19:41:17]
19:30:47.123: Debug: 3-V3Poller: Scheduled time for a new poll with a requested poll size
of 4
19:30:47.141: Debug: 3-V3Poller: Scheduling check for more peers to invite in 2m0s
19:30:47.165: Debug: 5-V3Poller: ThreadId 5 is PsmRunner: 17dJfabZ8u
19:30:47.169: Debug: 6-V3Poller: ThreadId 6 is PsmRunner: 17dJfabZ8u
19:30:47.169: Debug: 7-V3Poller: ThreadId 7 is PsmRunner: 17dJfabZ8u
19:30:47.169: Debug: 4-V3Poller: ThreadId 4 is PsmRunner: 17dJfabZ8u
```

Send Poll messages to the other peers

```
19:30:47.170: Debug2: 6-V3Poller: sendTo([V3LcapMessage: from [LPeer:
TCP:[127.0.0.1]:8801], Poll AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:WsB0gfZnKRze0/7t2CSC+f90ZYg= ver 3 rev 5], [Peer:
TCP:[127.0.0.1]:8805])
19:30:47.169: Debug2: 5-V3Poller: sendTo([V3LcapMessage: from [LPeer:
TCP:[127.0.0.1]:8801], Poll AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:0FJ850btWiyY+x+f14v2DLaCsTA= ver 3 rev 5], [Peer:
TCP:[127.0.0.1]:8802])
19:30:47.173: Debug2: 4-V3Poller: sendTo([V3LcapMessage: from [LPeer:
TCP:[127.0.0.1]:8801], Poll AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:+ukGedwDuNBtNSXWdT8RaIzcmnU= ver 3 rev 5], [Peer:
TCP:[127.0.0.1]:8804])
19:30:47.173: Debug2: 7-V3Poller: sendTo([V3LcapMessage: from [LPeer:
TCP:[127.0.0.1]:8801], Poll AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:0FKXBrom+Lf9DQ6PFTbW10XP394= ver 3 rev 5], [Peer:
TCP:[127.0.0.1]:8803])
```

Receive PollAck from each peer, send PollProof

```
19:30:47.753: Debug: 8-V3Poller: ThreadId 8 is SCommRcv: TCP:[127.0.0.1]:8801
```

```

19:30:47.754: Debug2: 8-V3Poller: Received from [Peer: TCP:[127.0.0.1]:8805]:
[V3LcapMessage: from [Peer: TCP:[127.0.0.1]:8805], PollAck AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:WsB0gfZnKRze0/7t2CSC+f90ZYg=
VN:I5U0r6BItzG89g02ZrzbHxgqc6o= ver 3 rev 5]
19:30:47.780: Debug2: 8-V3Poller: Received from [Peer: TCP:[127.0.0.1]:8804]:
[V3LcapMessage: from [Peer: TCP:[127.0.0.1]:8804], PollAck AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:+ukGedwDuNBtNSXWdT8RaIzcmnU=
VN:oTKVmpVJB8r2xBMxDyqiVG7RvMI= ver 3 rev 5]
19:30:47.790: Debug2: 8-V3Poller: Received from [Peer: TCP:[127.0.0.1]:8802]:
[V3LcapMessage: from [Peer: TCP:[127.0.0.1]:8802], PollAck AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:0FJ850btWiyY+x+f14v2DLAcSTA=
VN:sZvAjhTA+X04ashHwehKyM8pn8s= ver 3 rev 5]
19:30:47.810: Debug2: 6-V3Poller: sendTo([V3LcapMessage: from [LPeer:
TCP:[127.0.0.1]:8801], PollProof AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:WsB0gfZnKRze0/7t2CSC+f90ZYg=
VN:I5U0r6BItzG89g02ZrzbHxgqc6o= ver 3 rev 5], [Peer: TCP:[127.0.0.1]:8805])
19:30:47.812: Debug2: 5-V3Poller: sendTo([V3LcapMessage: from [LPeer:
TCP:[127.0.0.1]:8801], PollProof AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:0FJ850btWiyY+x+f14v2DLAcSTA=
VN:sZvAjhTA+X04ashHwehKyM8pn8s= ver 3 rev 5], [Peer: TCP:[127.0.0.1]:8802])
19:30:47.863: Debug2: 8-V3Poller: Received from [Peer: TCP:[127.0.0.1]:8803]:
[V3LcapMessage: from [Peer: TCP:[127.0.0.1]:8803], PollAck AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:0FKXBrom+Lf9DQ6PFTbW10XP394=
VN:dZXw0xaahUBzsii0usM3cJZ4d7E= ver 3 rev 5]
19:30:47.870: Debug2: 4-V3Poller: sendTo([V3LcapMessage: from [LPeer:
TCP:[127.0.0.1]:8801], PollProof AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:+ukGedwDuNBtNSXWdT8RaIzcmnU=
VN:oTKVmpVJB8r2xBMxDyqiVG7RvMI= ver 3 rev 5], [Peer: TCP:[127.0.0.1]:8804])
19:30:47.894: Debug2: 7-V3Poller: sendTo([V3LcapMessage: from [LPeer:
TCP:[127.0.0.1]:8801], PollProof AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:0FKXBrom+Lf9DQ6PFTbW10XP394=
VN:dZXw0xaahUBzsii0usM3cJZ4d7E= ver 3 rev 5], [Peer: TCP:[127.0.0.1]:8803])

```

```
# Receive (empty) Nominate messages from each peer, send VoteRequest
```

```

19:30:47.967: Debug2: 8-V3Poller: Received from [Peer: TCP:[127.0.0.1]:8805]:
[V3LcapMessage: from [Peer: TCP:[127.0.0.1]:8805], Nominate AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:WsB0gfZnKRze0/7t2CSC+f90ZYg=
VN:I5U0r6BItzG89g02ZrzbHxgqc6o= ver 3 rev 5]
19:30:47.968: Debug2: 6-V3Poller: Received nominations from inner circle voter: [Peer:
TCP:[127.0.0.1]:8805]; Nominations = null
19:30:47.982: Debug2: 8-V3Poller: Received from [Peer: TCP:[127.0.0.1]:8802]:
[V3LcapMessage: from [Peer: TCP:[127.0.0.1]:8802], Nominate AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:0FJ850btWiyY+x+f14v2DLAcSTA=
VN:sZvAjhTA+X04ashHwehKyM8pn8s= ver 3 rev 5]

```

```
19:30:47.983: Debug2: 5-V3Poller: Received nominations from inner circle voter: [Peer:
TCP:[127.0.0.1]:8802]; Nominations = null
19:30:48.013: Debug2: 5-V3Poller: sendTo([V3LcapMessage: from [LPeer:
TCP:[127.0.0.1]:8801], VoteRequest AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:0FJ850btWiyY+x+f14v2DLaCsTA=
VN:sZvAjhTA+X04ashHwehKyM8pn8s= ver 3 rev 5], [Peer: TCP:[127.0.0.1]:8802])
19:30:48.018: Debug2: 8-V3Poller: Received from [Peer: TCP:[127.0.0.1]:8804]:
[V3LcapMessage: from [Peer: TCP:[127.0.0.1]:8804], Nominate AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:+ukGedwDuNBtNSXWdT8RalzcmnU=
VN:oTKVmpVJB8r2xBMxDyqiVG7RvMI= ver 3 rev 5]
19:30:48.019: Debug2: 4-V3Poller: Received nominations from inner circle voter: [Peer:
TCP:[127.0.0.1]:8804]; Nominations = null
19:30:48.029: Debug2: 6-V3Poller: sendTo([V3LcapMessage: from [LPeer:
TCP:[127.0.0.1]:8801], VoteRequest AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:WsB0gfZnKRze0/7t2CSC+f90ZYg=
VN:I5U0r6BITzG89g02ZrzbHxgqc6o= ver 3 rev 5], [Peer: TCP:[127.0.0.1]:8805])
19:30:48.038: Debug2: 4-V3Poller: sendTo([V3LcapMessage: from [LPeer:
TCP:[127.0.0.1]:8801], VoteRequest AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:+ukGedwDuNBtNSXWdT8RalzcmnU=
VN:oTKVmpVJB8r2xBMxDyqiVG7RvMI= ver 3 rev 5], [Peer: TCP:[127.0.0.1]:8804])
19:30:48.055: Debug2: 8-V3Poller: Received from [Peer: TCP:[127.0.0.1]:8803]:
[V3LcapMessage: from [Peer: TCP:[127.0.0.1]:8803], Nominate AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:0FKXBrom+Lf9DQ6PFTbW10XP394=
VN:dZXw0xaahUBzsii0usM3cJZ4d7E= ver 3 rev 5]
19:30:48.056: Debug2: 7-V3Poller: Received nominations from inner circle voter: [Peer:
TCP:[127.0.0.1]:8803]; Nominations = null
19:30:48.084: Debug2: 7-V3Poller: Target for nominees from each inner circle participant:
3
19:30:48.085: Debug2: 7-V3Poller: sendTo([V3LcapMessage: from [LPeer:
TCP:[127.0.0.1]:8801], VoteRequest AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:0FKXBrom+Lf9DQ6PFTbW10XP394=
VN:dZXw0xaahUBzsii0usM3cJZ4d7E= ver 3 rev 5], [Peer: TCP:[127.0.0.1]:8803])
```

```
# Receive Vote messages from each peer
```

```
19:30:48.300: Debug2: 8-V3Poller: Received from [Peer: TCP:[127.0.0.1]:8805]:
[V3LcapMessage: from [Peer: TCP:[127.0.0.1]:8805], Vote AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:WsB0gfZnKRze0/7t2CSC+f90ZYg=
VN:I5U0r6BITzG89g02ZrzbHxgqc6o= B:10 ver 3 rev 5]
19:30:48.319: Debug2: 8-V3Poller: Received from [Peer: TCP:[127.0.0.1]:8802]:
[V3LcapMessage: from [Peer: TCP:[127.0.0.1]:8802], Vote AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:0FJ850btWiyY+x+f14v2DLaCsTA=
VN:sZvAjhTA+X04ashHwehKyM8pn8s= B:10 ver 3 rev 5]
19:30:48.409: Debug2: 8-V3Poller: Received from [Peer: TCP:[127.0.0.1]:8804]:
[V3LcapMessage: from [Peer: TCP:[127.0.0.1]:8804], Vote AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:+ukGedwDuNBtNSXWdT8RalzcmnU=
```

```
VN:oTKVmpVJB8r2xBMxDyqiVG7RvMI= B:10 ver 3 rev 5]
19:30:48.435: Debug2: 8-V3Poller: Received from [Peer: TCP:[127.0.0.1]:8803]:
[V3LcapMessage: from [Peer: TCP:[127.0.0.1]:8803], Vote AUDID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:0FKXBrom+Lf9DQ6PFTbW10XP394=
VN:dZXw0xaahUBzsii0usM3cJZ4d7E= B:10 ver 3 rev 5]

# Adjust the schedule

19:30:48.468: Debug: 7-V3Poller: All invited peers have voted. Rescheduling vote
deadline.

# Start tallying votes

19:30:48.473: Debug: 9-V3Poller: ThreadId 9 is TimerQ
19:30:48.474: Debug2: 9-V3Poller: Vote Tally deadline reached:
17dJfabZ8unliW0t5nQ22y9tRMk=
19:30:48.474: Debug2: 9-V3Poller: Scheduling hash: 17dJfabZ8unliW0t5nQ22y9tRMk=
19:30:48.496: Debug: 9-V3Poller: Scheduling [BCUS: [AUCUSS]](-1) hash for poll
17dJfabZ8unliW0t5nQ22y9tRMk=
19:30:48.501: Debug2: 9-V3Poller: Initting hasher byte arrays for voter [Peer:
TCP:[127.0.0.1]:8803]
19:30:48.502: Debug2: 9-V3Poller: Initting hasher byte arrays for voter [Peer:
TCP:[127.0.0.1]:8805]
19:30:48.503: Debug2: 9-V3Poller: Initting hasher byte arrays for voter [Peer:
TCP:[127.0.0.1]:8802]
19:30:48.503: Debug2: 9-V3Poller: Initting hasher byte arrays for voter [Peer:
TCP:[127.0.0.1]:8804]
19:30:48.506: Debug2: 9-V3Poller: Poll status: Inviting Peers -> Hashing
19:30:48.531: Debug: 10-V3Poller: ThreadId 10 is TaskRunner
19:30:48.531: Debug2: 10-V3Poller: Poll status: Hashing -> Tallying

# Tally votes on each URL

19:30:48.541: Debug3: 10-V3Poller: Opening block http://www.example.com/001file.bin to
tally.
19:30:48.541: Debug3: 10-V3Poller: tallyVoterUrls: http://www.example.com/001file.bin
19:30:48.542: Debug3: 10-V3Poller: voters have: http://www.example.com/001file.bin
19:30:48.542: Debug3: 10-V3Poller: tallyPollerUrl: http://www.example.com/001file.bin
19:30:48.562: Debug3: 10-V3Poller: Won tally4/0/0/0: http://www.example.com/001file.bin
in poll 17dJfabZ8unliW0t5nQ22y9tRMk=
19:30:48.563: Debug3: 10-V3Poller: Opening block http://www.example.com/001file.txt to
tally.
19:30:48.564: Debug3: 10-V3Poller: tallyVoterUrls: http://www.example.com/001file.txt
19:30:48.564: Debug3: 10-V3Poller: voters have: http://www.example.com/001file.txt
19:30:48.565: Debug3: 10-V3Poller: tallyPollerUrl: http://www.example.com/001file.txt
19:30:48.570: Debug3: 10-V3Poller: Won tally4/0/0/0: http://www.example.com/001file.txt
in poll 17dJfabZ8unliW0t5nQ22y9tRMk=
19:30:48.573: Debug3: 10-V3Poller: Opening block http://www.example.com/002file.bin to
tally.
19:30:48.573: Debug3: 10-V3Poller: tallyVoterUrls: http://www.example.com/002file.bin
19:30:48.574: Debug3: 10-V3Poller: voters have: http://www.example.com/002file.bin
19:30:48.574: Debug3: 10-V3Poller: tallyPollerUrl: http://www.example.com/002file.bin
19:30:48.581: Debug3: 10-V3Poller: Won tally4/0/0/0: http://www.example.com/002file.bin
in poll 17dJfabZ8unliW0t5nQ22y9tRMk=
```

```
19:30:48.586: Debug3: 10-V3Poller: Opening block http://www.example.com/002file.txt to
tally.
19:30:48.587: Debug3: 10-V3Poller: tallyVoterUrls: http://www.example.com/002file.txt
19:30:48.588: Debug3: 10-V3Poller: voters have: http://www.example.com/002file.txt
19:30:48.589: Debug3: 10-V3Poller: tallyPollerUrl: http://www.example.com/002file.txt
19:30:48.596: Debug3: 10-V3Poller: Won tally4/0/0/0: http://www.example.com/002file.txt
in poll 17dJfabZ8unliW0t5nQ22y9tRMk=
19:30:48.600: Debug3: 10-V3Poller: Opening block http://www.example.com/branch1
/001file.bin to tally.
19:30:48.601: Debug3: 10-V3Poller: tallyVoterUrls: http://www.example.com/branch1
/001file.bin
19:30:48.601: Debug3: 10-V3Poller: voters have: http://www.example.com/branch1/001file.bin
19:30:48.602: Debug3: 10-V3Poller: tallyPollerUrl: http://www.example.com/branch1
/001file.bin
```

```
# This is the damaged URL
```

```
19:30:48.605: Debug2: 10-V3Poller: Lost tally0/4/0/0: http://www.example.com/branch1
/001file.bin in poll 17dJfabZ8unliW0t5nQ22y9tRMk=
19:30:48.606: Debug2: 10-V3Poller: Peer/pub choice: peer prob: 1.0, repairVoters:
[[PollerUserData: voterId=[Peer: TCP:[127.0.0.1]:8803]], [PollerUserData: voterId=[Peer:
TCP:[127.0.0.1]:8805]], [PollerUserData: voterId=[Peer: TCP:[127.0.0.1]:8802]],
[PollerUserData: voterId=[Peer: TCP:[127.0.0.1]:8804]]]
```

```
# Request repair from voter #1
```

```
19:30:48.607: Debug2: 10-V3Poller: Requesting repair from [Peer: TCP:[127.0.0.1]:8802]:
http://www.example.com/branch1/001file.bin
```

```
# Tally remaining URLs
```

```
19:30:48.610: Debug3: 10-V3Poller: Opening block http://www.example.com/branch1
/001file.txt to tally.
19:30:48.611: Debug3: 10-V3Poller: tallyVoterUrls: http://www.example.com/branch1
/001file.txt
19:30:48.611: Debug3: 10-V3Poller: voters have: http://www.example.com/branch1/001file.txt
19:30:48.612: Debug3: 10-V3Poller: tallyPollerUrl: http://www.example.com/branch1
/001file.txt
19:30:48.617: Debug3: 10-V3Poller: Won tally4/0/0/0: http://www.example.com/branch1
/001file.txt in poll 17dJfabZ8unliW0t5nQ22y9tRMk=
19:30:48.621: Debug3: 10-V3Poller: Opening block http://www.example.com/branch1
/002file.bin to tally.
19:30:48.621: Debug3: 10-V3Poller: tallyVoterUrls: http://www.example.com/branch1
/002file.bin
19:30:48.622: Debug3: 10-V3Poller: voters have: http://www.example.com/branch1/002file.bin
19:30:48.622: Debug3: 10-V3Poller: tallyPollerUrl: http://www.example.com/branch1
/002file.bin
19:30:48.627: Debug3: 10-V3Poller: Won tally4/0/0/0: http://www.example.com/branch1
/002file.bin in poll 17dJfabZ8unliW0t5nQ22y9tRMk=
19:30:48.629: Debug3: 10-V3Poller: Opening block http://www.example.com/branch1
/002file.txt to tally.
19:30:48.630: Debug3: 10-V3Poller: tallyVoterUrls: http://www.example.com/branch1
/002file.txt
19:30:48.630: Debug3: 10-V3Poller: voters have: http://www.example.com/branch1/002file.txt
19:30:48.631: Debug3: 10-V3Poller: tallyPollerUrl: http://www.example.com/branch1
```

```
/002file.txt
19:30:48.635: Debug3: 10-V3Poller: Won tally4/0/0/0: http://www.example.com/branch1
/002file.txt in poll 17dJfabZ8unliW0t5nQ22y9tRMk=
19:30:48.638: Debug3: 10-V3Poller: Opening block http://www.example.com/branch1
/index.html to tally.
19:30:48.639: Debug3: 10-V3Poller: tallyVoterUrls: http://www.example.com/branch1
/index.html
19:30:48.639: Debug3: 10-V3Poller: voters have: http://www.example.com/branch1/index.html
19:30:48.640: Debug3: 10-V3Poller: tallyPollerUrl: http://www.example.com/branch1
/index.html
19:30:48.644: Debug3: 10-V3Poller: Won tally4/0/0/0: http://www.example.com/branch1
/index.html in poll 17dJfabZ8unliW0t5nQ22y9tRMk=
19:30:48.647: Debug3: 10-V3Poller: Opening block http://www.example.com/index.html to
tally.
19:30:48.648: Debug3: 10-V3Poller: tallyVoterUrls: http://www.example.com/index.html
19:30:48.648: Debug3: 10-V3Poller: voters have: http://www.example.com/index.html
19:30:48.649: Debug3: 10-V3Poller: tallyPollerUrl: http://www.example.com/index.html
19:30:48.652: Debug3: 10-V3Poller: Won tally4/0/0/0: http://www.example.com/index.html in
poll 17dJfabZ8unliW0t5nQ22y9tRMk=
19:30:48.677: Debug: 11-V3Poller: ThreadId 11 is TaskNotifier
```

```
# Done tallying - get repair
```

```
19:30:48.678: Debug2: 11-V3Poller: Poll status: Tallying -> Waiting for Repairs
19:30:48.690: Debug: 11-V3Poller: Pending Peer Repairs: 1
19:30:48.691: Debug: 11-V3Poller: Pending Publisher Repairs: 0
19:30:48.691: Debug: 11-V3Poller: Active Repairs: 0
19:30:48.692: Debug: 11-V3Poller: Requesting repairs from peers for 1 urls.
19:30:48.692: Debug2: 11-V3Poller: Requesting repair from [Peer: TCP:[127.0.0.1]:8802]:
http://www.example.com/branch1/001file.bin
```

```
# Send RepairReq to voter #1
```

```
19:30:48.693: Debug2: 11-V3Poller: sendTo([V3LcapMessage: from [LPeer:
TCP:[127.0.0.1]:8801], RepairReq AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:0FJ850btWiyY+x+f14v2DLacSTA=
VN:sZvAjhTA+X04ashHwehKyM8pn8s= ver 3 rev 5], [Peer: TCP:[127.0.0.1]:8802])
```

```
# Receive RepairRep from voter #1
```

```
19:30:48.706: Debug2: 8-V3Poller: Received from [Peer: TCP:[127.0.0.1]:8802]:
[V3LcapMessage: from [Peer: TCP:[127.0.0.1]:8802], RepairRep AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:0FJ850btWiyY+x+f14v2DLacSTA=
VN:sZvAjhTA+X04ashHwehKyM8pn8s= R:1024 ver 3 rev 5]
```

```
# Re-run the tally on the repair
```

```
19:30:48.725: Debug: 5-V3Poller: Scheduling [BCUS: [SNCUSS: http://www.example.com/branch1
/001file.bin]](1) hash for poll 17dJfabZ8unliW0t5nQ22y9tRMk=
19:30:48.725: Debug2: 5-V3Poller: Initting hasher byte arrays for voter [Peer:
TCP:[127.0.0.1]:8803]
19:30:48.726: Debug2: 5-V3Poller: Initting hasher byte arrays for voter [Peer:
TCP:[127.0.0.1]:8805]
```

```

19:30:48.726: Debug2: 5-V3Poller: Initting hasher byte arrays for voter [Peer:
TCP:[127.0.0.1]:8802]
19:30:48.727: Debug2: 5-V3Poller: Initting hasher byte arrays for voter [Peer:
TCP:[127.0.0.1]:8804]
19:30:48.727: Debug2: 5-V3Poller: Poll status: Waiting for Repairs -> Hashing
19:30:48.742: Debug3: 10-V3Poller: Finished hashing repair sent for block [HBlock:
http://www.example.com/branch1/001file.bin]
19:30:48.752: Debug2: 10-V3Poller: Poll status: Hashing -> Tallying

```

```
# The repair agrees with the consensus
```

```

19:30:48.764: Debug3: 10-V3Poller: Won tally4/0/0/0: http://www.example.com/branch1
/001file.bin in poll 17dJfabZ8unliW0t5nQ22y9tRMk=
19:30:48.765: Debug3: 10-V3Poller: After-vote hash tally for repaired block
http://www.example.com/branch1/001file.bin: Won
19:30:48.767: Debug2: 11-V3Poller: Gave peer [Peer: TCP:[127.0.0.1]:8803] the Vote
Complete event.
19:30:48.768: Debug2: 7-V3Poller: [getPercentAgreement] agreeVotes = 9; talliedVotes = 10

```

```
# Send EvaluationReceipt messages to the voters
```

```

19:30:48.769: Debug2: 7-V3Poller: sendTo([V3LcapMessage: from [LPeer:
TCP:[127.0.0.1]:8801], EvaluationReceipt AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:0FKXBrom+Lf9DQ6PFTbW10XP394=
VN:dZXw0xaahUBzsii0usM3cJZ4d7E= ver 3 rev 5], [Peer: TCP:[127.0.0.1]:8803])
19:30:48.769: Debug2: 11-V3Poller: [getPercentAgreement] agreeVotes = 9; talliedVotes = 10
19:30:48.770: Debug2: 11-V3Poller: [getPercentAgreement] agreeVotes = 9; talliedVotes = 10
19:30:48.771: Debug2: 7-V3Poller: Voter finished: [PollerUserData: voterId=[Peer:
TCP:[127.0.0.1]:8803]]
19:30:48.784: Debug2: 11-V3Poller: [getPercentAgreement] agreeVotes = 9; talliedVotes = 10
19:30:48.791: Debug2: 11-V3Poller: Gave peer [Peer: TCP:[127.0.0.1]:8805] the Vote
Complete event.
19:30:48.791: Debug2: 6-V3Poller: [getPercentAgreement] agreeVotes = 9; talliedVotes = 10
19:30:48.792: Debug2: 11-V3Poller: [getPercentAgreement] agreeVotes = 9; talliedVotes = 10
19:30:48.792: Debug2: 6-V3Poller: sendTo([V3LcapMessage: from [LPeer:
TCP:[127.0.0.1]:8801], EvaluationReceipt AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:WsB0gfZnKRze0/7t2CSC+f90ZYg=
VN:I5U0r6BITzG89g02ZrzbHxgqc6o= ver 3 rev 5], [Peer: TCP:[127.0.0.1]:8805])
19:30:48.793: Debug2: 11-V3Poller: [getPercentAgreement] agreeVotes = 9; talliedVotes = 10
19:30:48.795: Debug2: 6-V3Poller: Voter finished: [PollerUserData: voterId=[Peer:
TCP:[127.0.0.1]:8805]]
19:30:48.803: Debug2: 11-V3Poller: [getPercentAgreement] agreeVotes = 9; talliedVotes = 10
19:30:48.816: Debug2: 11-V3Poller: Gave peer [Peer: TCP:[127.0.0.1]:8802] the Vote
Complete event.
19:30:48.817: Debug2: 5-V3Poller: [getPercentAgreement] agreeVotes = 9; talliedVotes = 10
19:30:48.817: Debug2: 11-V3Poller: [getPercentAgreement] agreeVotes = 9; talliedVotes = 10
19:30:48.818: Debug2: 11-V3Poller: [getPercentAgreement] agreeVotes = 9; talliedVotes = 10
19:30:48.818: Debug2: 5-V3Poller: sendTo([V3LcapMessage: from [LPeer:
TCP:[127.0.0.1]:8801], EvaluationReceipt AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:0FJ850btWiyY+x+f14v2DLacSTA=
VN:sZvAjhTA+X04ashHwehKyM8pn8s= ver 3 rev 5], [Peer: TCP:[127.0.0.1]:8802])
19:30:48.826: Debug2: 5-V3Poller: Voter finished: [PollerUserData: voterId=[Peer:

```

```
TCP:[127.0.0.1]:8802]]
19:30:48.839: Debug2: 11-V3Poller: [getPercentAgreement] agreeVotes = 9; talliedVotes = 10
19:30:48.851: Debug2: 4-V3Poller: [getPercentAgreement] agreeVotes = 9; talliedVotes = 10
19:30:48.852: Debug2: 4-V3Poller: sendTo([V3LcapMessage: from [LPeer:
TCP:[127.0.0.1]:8801], EvaluationReceipt AUID:
org|lockss|plugin|simulated|SimulatedPlugin&root~simContent
Key:17dJfabZ8unliW0t5nQ22y9tRMk= PN:+ukGedwDuNBTNSXWdT8RalzcmnU=
VN:oTKVmpVJB8r2xBMxDyqiVG7RvMI= ver 3 rev 5], [Peer: TCP:[127.0.0.1]:8804])
19:30:48.865: Debug2: 4-V3Poller: Voter finished: [PollerUserData: voterId=[Peer:
TCP:[127.0.0.1]:8804]]
19:30:48.877: Debug2: 11-V3Poller: Gave peer [Peer: TCP:[127.0.0.1]:8804] the Vote
Complete event.
19:30:48.877: Debug2: 11-V3Poller: [getPercentAgreement] agreeVotes = 9; talliedVotes = 10
19:30:48.878: Debug2: 11-V3Poller: [getPercentAgreement] agreeVotes = 9; talliedVotes = 10
19:30:48.902: Debug2: 11-V3Poller: [getPercentAgreement] agreeVotes = 9; talliedVotes = 10

# Record the result of the poll

19:30:48.936: Info: 11-V3Poller: 4 new agreeing peers for Simulated Content: simContent
19:30:48.938: Debug2: 11-V3Poller: Agree: 10.0, tallied: 10.0
19:30:48.940: Debug2: 11-V3Poller: Agree: 10.0, tallied: 10.0
19:30:48.981: Debug2: 11-V3Poller: Poll status: Tallying -> Finishing
19:30:49.002: Debug2: 11-V3Poller: stopPollWhenVotersDone(Complete)
19:30:49.003: Info: 11-V3Poller: Stopping poll 17dJfabZ8unliW0t5nQ22y9tRMk= with status
Complete
19:30:49.004: Debug2: 11-V3Poller: Poll status: Finishing -> Complete
19:30:49.031: Debug2: 11-V3Poller: Agree: 10.0, tallied: 10.0
19:30:49.033: Debug2: 11-V3Poller: Cancelling task
19:30:49.033: Debug2: 11-V3Poller: Cancelling vote completion timer event.
19:30:49.034: Debug2: 11-V3Poller: Cancelling poll completion timer event.
19:30:49.061: Debug: 11-V3Poller: Closed poll 17dJfabZ8unliW0t5nQ22y9tRMk=
19:30:49.425: Debug: 12-V3Poller: ThreadId 12 is Admin-0
19:30:49.425: Debug2: 12-V3Poller: Agree: 10.0, tallied: 10.0
19:30:49.453: Debug: 13-V3Poller: ThreadId 13 is Admin-1
19:30:49.454: Debug2: 13-V3Poller: Agree: 10.0, tallied: 10.0
19:30:49.482: Debug2: 12-V3Poller: Agree: 10.0, tallied: 10.0
19:30:49.484: Debug2: 12-V3Poller: [getPercentAgreement] agreeVotes = 9; talliedVotes = 10
19:30:49.485: Debug2: 12-V3Poller: [getPercentAgreement] agreeVotes = 9; talliedVotes = 10
19:30:49.485: Debug2: 12-V3Poller: [getPercentAgreement] agreeVotes = 9; talliedVotes = 10
19:30:49.486: Debug2: 12-V3Poller: [getPercentAgreement] agreeVotes = 9; talliedVotes = 10
19:30:49.675: Debug2: 13-V3Poller: Agree: 10.0, tallied: 10.0
```