



PES University
Electronic city Campus
Hosur Road, Electronic city, Bengaluru – 560100

Department of Computer Science and Engineering
Cloud Computing Assignment

Assignment 4

Lab Experiment 4: The Raft Consensus Algorithm

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SRN : PES2UG20CS414

Section : G

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~/Desktop/pesuniversity/assignment/cclab/cc_E4_PES2UG20CS414/raftos --zsh

Downloading and Extracting Packages

Preparing transaction: done
Verifying transaction: done
Executing transaction: done
#
# To activate this environment, use
#
#     $ conda activate py3.8.11
#
# To deactivate an active environment, use
#
#     $ conda deactivate

(base) adityakhot@Adityas-MacBook-Air raftos % sudo apt install tmux
Password:
The operation couldn't be completed. Unable to locate a Java Runtime.
Please visit http://www.java.com for information on installing Java.

(base) adityakhot@Adityas-MacBook-Air raftos % brew install tmux
Running `brew update --auto-update` ...
==> Auto-updated Homebrew!
Updated 2 taps (homebrew/core and homebrew/cask).
==> New Casks
avira-antivirus                                         snappy

You have 1 outdated cask installed.
You can upgrade it with brew upgrade
or list it with brew outdated.

Warning: tmux 3.3a_1 is already installed and up-to-date.
To reinstall 3.3a_1, run:
  brew reinstall tmux
(base) adityakhot@Adityas-MacBook-Air raftos % conda activate py3.8.11
(py3.8.11) adityakhot@Adityas-MacBook-Air raftos %

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~/Desktop/pesuniversity/assignment/cclab/cc_E4_PES2UG20CS414/raftos -- tmux -s start_terminals.sh

(base) adityakhot@Adityas-MacBook-Air raftos % python node.py --node 1
(base) adityakhot@Adityas-MacBook-Air raftos % tail -f node1_CUSTOMLOG.log
Leader is now: 127.0.0.1:8000
Done writing BEST_HACKATHON
Check the .log and .state_machine files!

File "/Users/adityakhot/opt/anaconda3/lib/python3.9/asyncio/events.py", line 80, in _run
    self._context.run(self._callback, *self._args)
File "/Users/adityakhot/opt/anaconda3/lib/python3.9/asyncio/selector_events.py", line 1027, in _read
    ready
    self._protocol.datagram_received(data, addr)
File "/Users/adityakhot/Desktop/pesuniversity/assignment/cclab/cc_E4_PES2UG20CS414/raftos/raftos/net
work.py", line 53, in datagram_received
    self.request_handler(data)
File "/Users/adityakhot/Desktop/pesuniversity/assignment/cclab/cc_E4_PES2UG20CS414/raftos/raftos/se
rver.py", line 73, in request_handler
    self.state.request_handler(data)
File "/Users/adityakhot/Desktop/pesuniversity/assignment/cclab/cc_E4_PES2UG20CS414/raftos/raftos/sta
te.py", line 80, in request_handler
    getattr(self.state, 'on_receive_{}').format(data['type'])))(data)
File "/Users/adityakhot/Desktop/pesuniversity/assignment/cclab/cc_E4_PES2UG20CS414/raftos/raftos/sta
te.py", line 53, in wrapped
    except (asyncio.futures.InvalidStateError, AttributeError):
AttributeError: module 'asyncio.futures' has no attribute 'InvalidStateError'

self._context.run(self._callback, *self._args)
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    except (asyncio.futures.InvalidStateError, AttributeError):
AttributeError: module 'asyncio.futures' has no attribute 'InvalidStateError'
(base) adityakhot@Adityas-MacBook-Air raftos % tail -f node2_CUSTOMLOG.log
Leader is now: 127.0.0.1:8000
^BLeader is now: 127.0.0.1:8000
(base) adityakhot@Adityas-MacBook-Air raftos % tail -f node3_CUSTOMLOG.log
^BLeader is now: 127.0.0.1:8000
^BLeader is now: 127.0.0.1:8000
(base) adityakhot@Adityas-MacBook-Air raftos % ^C
^Z 1: python3.9
*Adityas-MacBook-Air:1* 23:58 19-Mar-20

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~/Desktop/pesuniversity/assignment/cclab/cc_E4_PES2UG20CS414/raftos - tmux - sh start_terminals.sh
(base) adityakhot@Adityas-MacBook-Air raftos % python node.py --node 1
*Traceback (most recent call last):
  File "/Users/adityakhot/Desktop/pesuniversity/assignment/cclab/cc_E4_PES2UG20CS414/raftos/node.py",
    line 88, in <module>
      loop.run_forever()
        File "/Users/adityakhot/opt/anaconda3/lib/python3.9/asyncio/base_events.py", line 601, in run_forever
          self._run_once()
            File "/Users/adityakhot/opt/anaconda3/lib/python3.9/asyncio/base_events.py", line 1869, in _run_once
              self._listen_list(self._selector.select(timeout))
                File "/Users/adityakhot/opt/anaconda3/lib/python3.9/selectors.py", line 562, in select
                  kev_list = self._selector.control(None, max_ev, timeout)
KeyboardInterrupt

(base) adityakhot@Adityas-MacBook-Air raftos %

File "/Users/adityakhot/opt/anaconda3/lib/python3.9/asyncio/events.py", line 80, in _run
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          File "/Users/adityakhot/Desktop/pesuniversity/assignment/cclab/cc_E4_PES2UG20CS414/raftos/raftos/net
work.py", line 33, in datagram_received
            self.request_handler(data)
              self.state.request_handler(data)
                File "/Users/adityakhot/Desktop/pesuniversity/assignment/cclab/cc_E4_PES2UG20CS414/raftos/raftos/ser
ver.py", line 73, in request_handler
                  self.state.request_handler(data)
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                        getattr(self.state, 'on_receive_{}').format(data['type']))(data)
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te.py", line 53, in wrapped
                            except (asyncio.futures.InvalidStateError, AttributeError):
                              AttributeError: module 'asyncio.futures' has no attribute 'InvalidStateError'
'BB'(IA

  self._context.run(self._callback, *self._args)
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[2] 0:zsh*                               "Adityas-MacBook-Air.1" 23:58 19-Mar-20

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(base) adityakhot@Adityas-MacBook-Air raftos % tail -f node1_CUSTOMLOG.log
Leader is now: 127.0.0.1:8000
Done writing BEST_HACKATHON
Check the .log and .state_machine files!Leader is now: 127.0.0.1:8001

Traceback (most recent call last):
  File "/Users/adityakhot/opt/anaconda3/lib/python3.9/asyncio/events.py", line 80, in _run
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                              AttributeError: module 'asyncio.futures' has no attribute 'InvalidStateError'

[2] 0:ipython3.9*                               "Adityas-MacBook-Air.1" 23:59 19-Mar-20

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