IISC/CTF: replme

Review of TestCTF#1

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TU Berlin

January 1, 1980

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”many dockers”
– henning –

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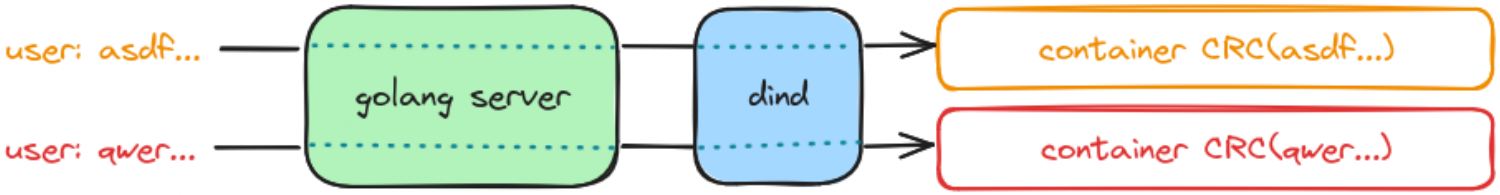

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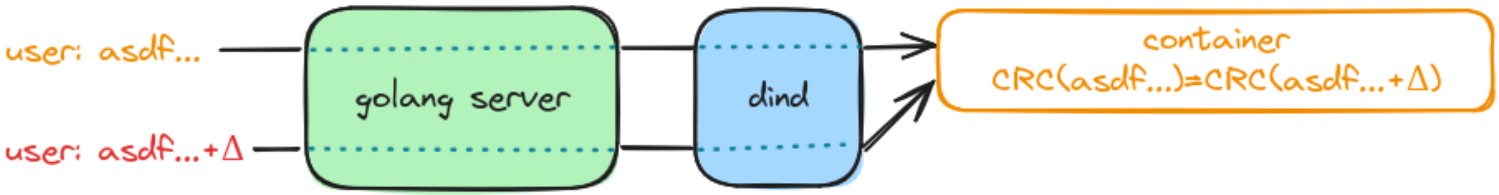

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Fix

- Worked locally (more details later)

What works?

Feedback Christian

- Vuln: Medium+ to hard difficulty
- Codebase: Large with much to look through

What doesn't?


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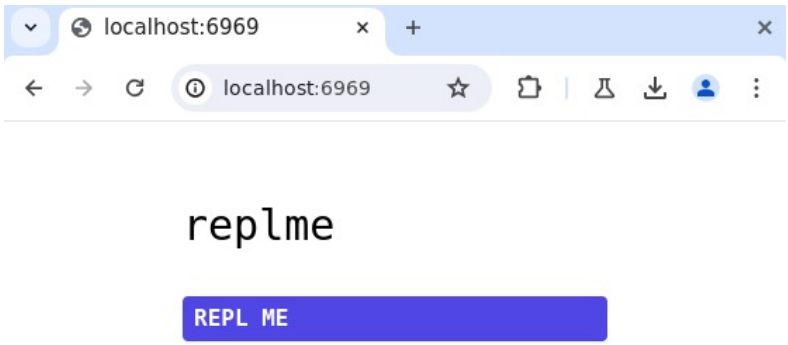

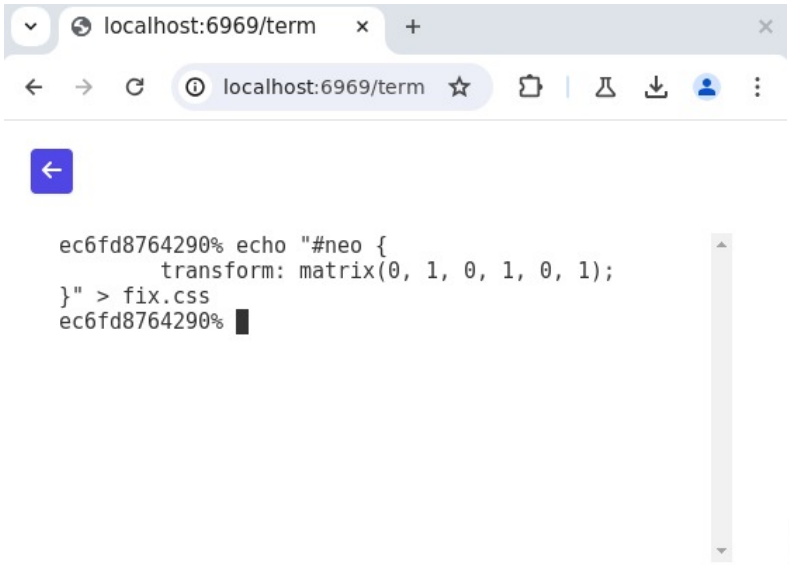

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  - ⇒ Wrap chaindb calls in try+catch

Miscellaneous

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- Dind can be RAM killer when not GCed
- Players could DOS contrahent service by opening many sessions without killing
- $\Rightarrow$ Node.js server consumes >60MB RAM
  $\Rightarrow$ Rewrite in 🦀
- $\Rightarrow$ Player sessions need to be monitored
  $\Rightarrow$ Malicious behaviour leads to ban

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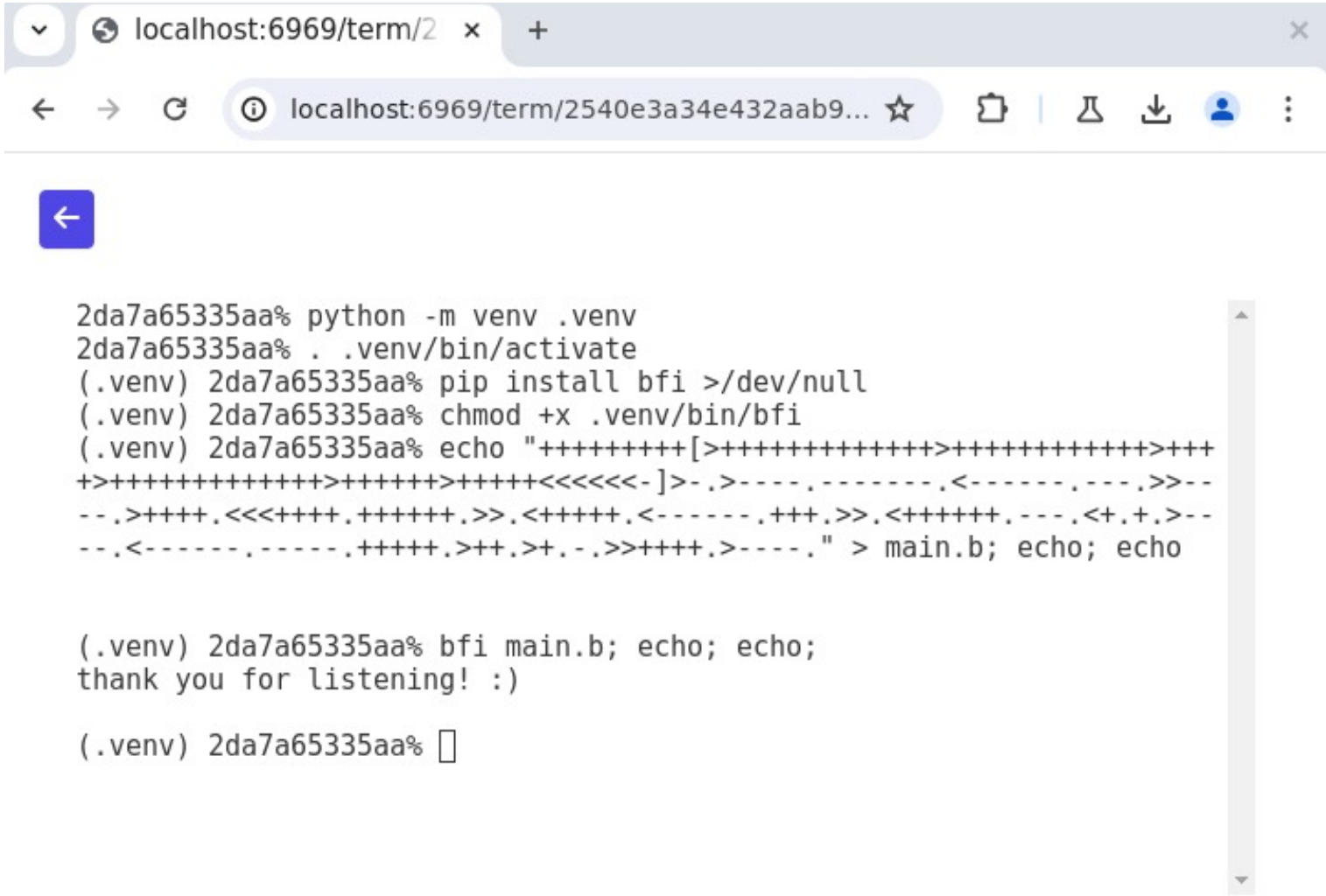
- Design Dockerfiles for chachable layer support


localhost:6969/term/2
localhost:6969/term/2540e3a34e432aab9...
2da7a65335aa% python -m venv .venv
2da7a65335aa% . .venv/bin/activate
(.venv) 2da7a65335aa% pip install bfi >/dev/null
(.venv) 2da7a65335aa% chmod +x .venv/bin/bfi
(.venv) 2da7a65335aa% echo "+++++++++[>++++++++++++++>++++++++++++>+++
+>++++++++++++>++++++>+++++<<<<<<-]>-.>----.--------.<------.---.>>--
--.>++++.<<<++++.++++++.>>.<+++++.<------.+++.>>.<++++++.---.<+.+.>--
--.<------.-----.+++++.>++.>+.-.>>++++.>----." > main.b; echo; echo
(.venv) 2da7a65335aa% bfi main.b; echo; echo;
thank you for listening! :)
(.venv) 2da7a65335aa%