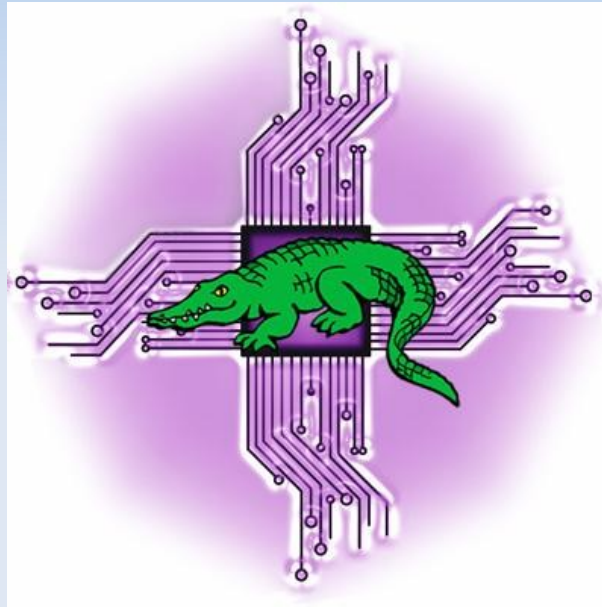


Streamlined Workflow from Instrument to HPC



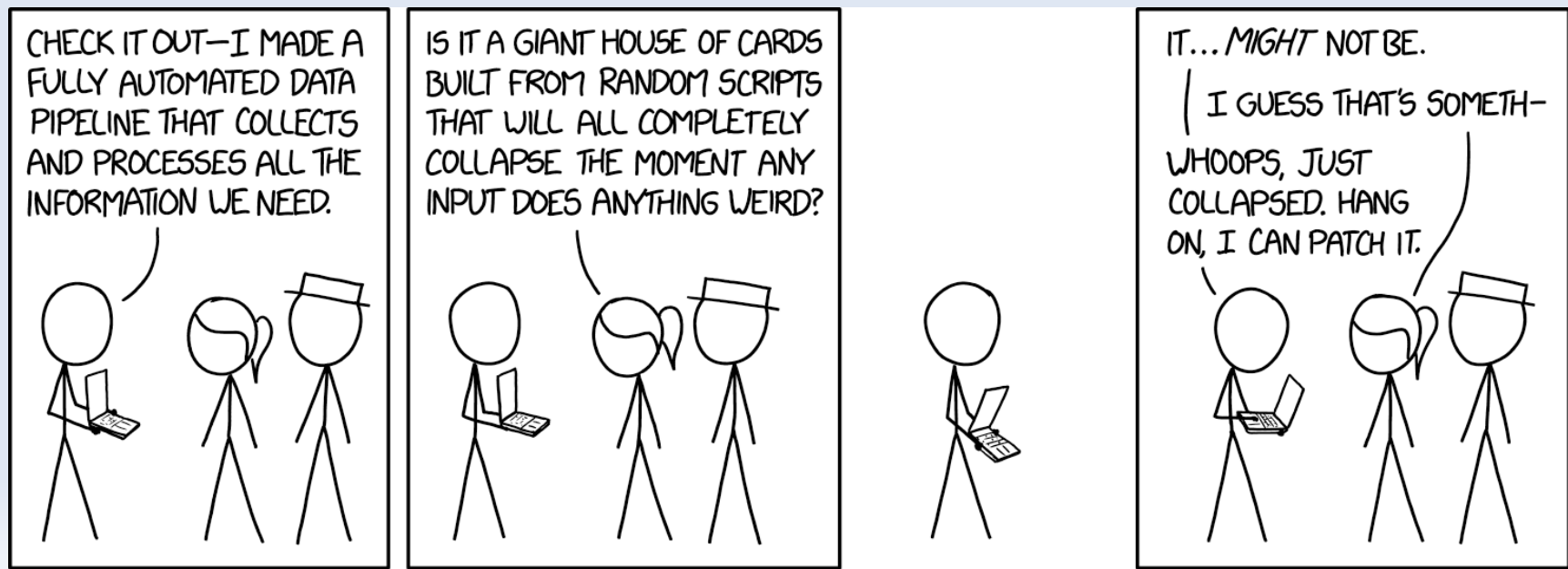
eResearchNZ, February, 2022

lev.lafayette@unimelb.edu.au

Senior HPC DevOps Engineer

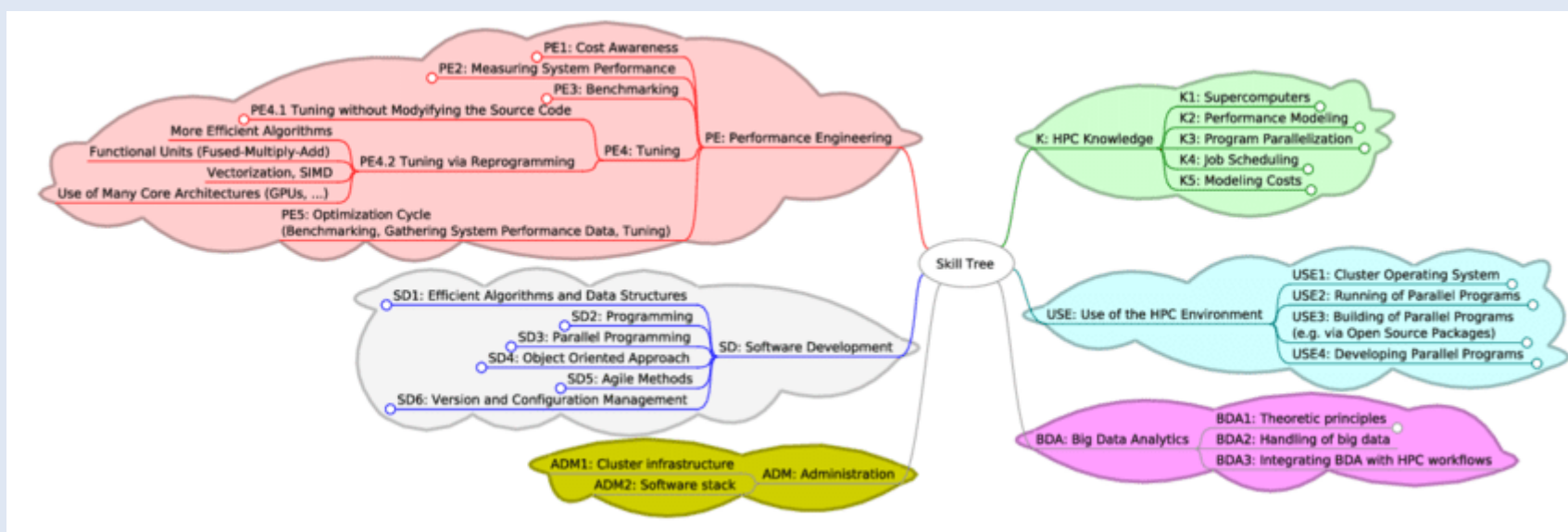
Why Do We Have the Forum?

- Data are growing faster and problems more complex than the capacity of computing systems to process these problems and data.
- Hardware improvements provide a primary and necessary solution the problem, but are not sufficient. Providing knowledge and skills to users is also required.
- There has been significant improvement in teaching of HPC in recent years, both by HPC centres and, in too few cases, the higher education system. However, there is still a need for a recognition of competency. This is where the international HPC Certification Forum comes in.



Who Is the Forum?

- The international HPC Certification Forum has been established to address at least the issue of examination. Formed at the 2018 International Supercomputing Conference in Frankfurt. Follows the explicit goal of a "HPC Driving License" for researchers.
- The HPC CF is providing a summative multiple choice examination across different levels of skills (basic, intermediate, expert) and against particular competencies (e.g., HPC Knowledge, HPC Use, Performance Engineering etc).

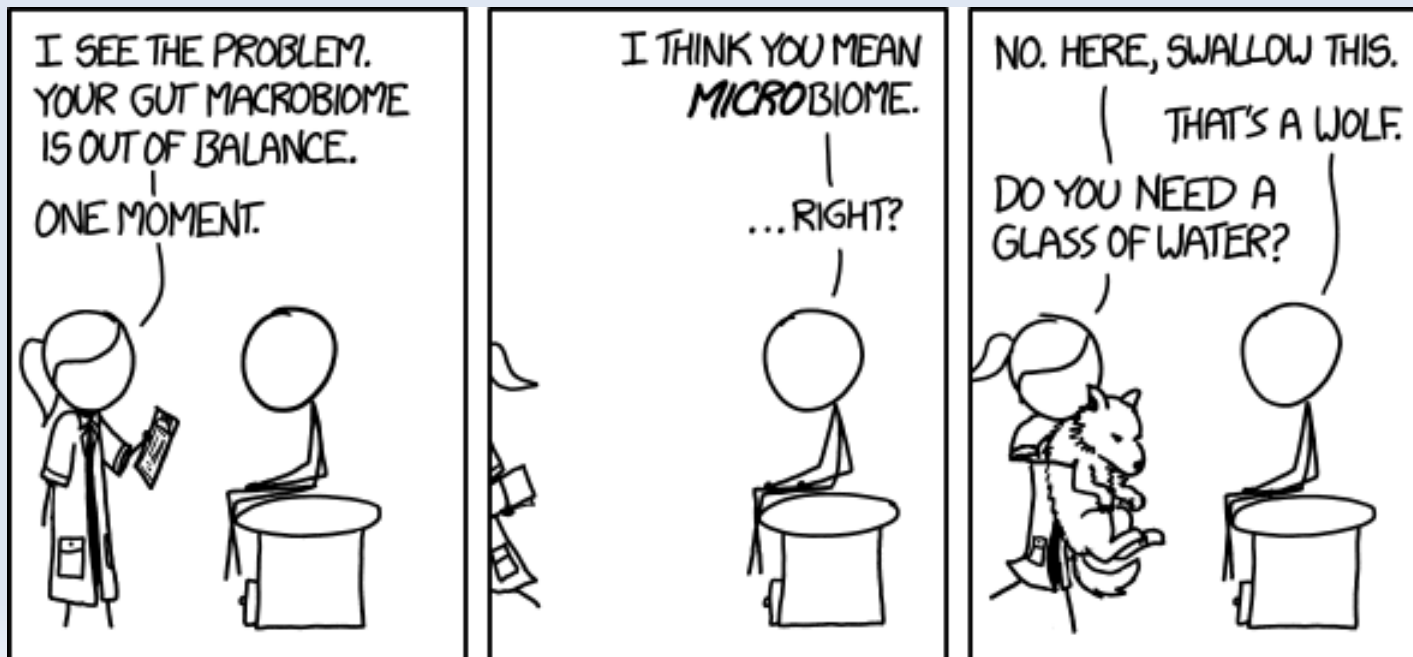


The HPC Forum Ecosystem

- The HPC Certification Forum does not provide content or delivery. But it does provide examinable material and it does endorse training programs. This provides a rich opportunity for eco-system development, where content and delivery providers can use the examinable material as learning objectives and can contribute back to the Forum's content to further improve the value.
- Many opportunities for participation; join the mailing lists, join the Slack channel, follow us on social media, or even join the governance committee, and to add examination questions!

General Participation: www.hpc-certification.org/participate/

Wiki and Exam Content: www.hpc-certification.org/wiki/status



References

Transcript available:

<http://levlafayette.com/files/20222eresearchNZ.txt>

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XKCD by Randall Monroe

THANKS FOR WATCHING



& LISTENING PATIENTLY