High-Performance Computing Concepts

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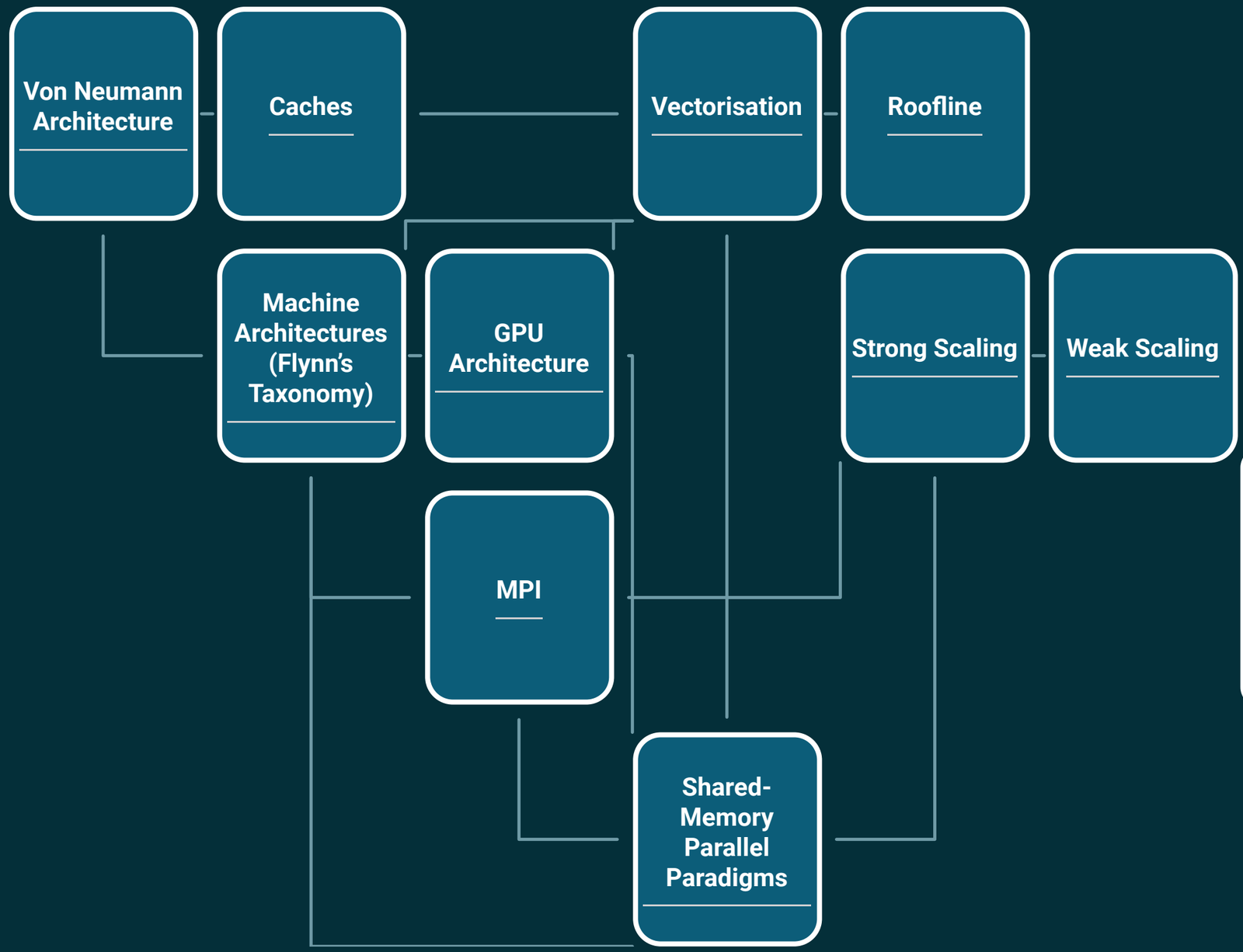
How to use this map

1. Select a topic card. It highlights the topics around it.
2. Read the summary beside the map: what it covers and what to study before and after.
3. Press **Lecture** to watch the video, or **Activities** to test yourself.

Legend

- Topic (nothing selected)
- Selected topic
- Required before it: learn these first
- Suggested before it: helpful background
- Comes next: what this unlocks
- Solid line: required link
- Dashed line: suggested link
- Arrowhead points to the later topic

Related cards also carry a text label (Learn first, Background, Comes next), so the map never relies on colour alone.



What is inside each topic

- **Lecture:** a short video from a Durham University HPC lecturer.
- **Activities:** interactive exercises with instant feedback: multiple choice, fill-in-the-code, short answers and drag-and-drop sorting.
- 10 topics, 4 lecturers, multiple learning pathways

Select a topic to begin

Good starting point: **Von Neumann Architecture**, the top-left card. Everything else builds on it.

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