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## The Man-Machine Scale

- Visualize security mechanisms as concentric protection rings, with hardware mechanisms in the centre (more generic) and application mechanisms at the outside (more specific)
- The man-machine scale for security mechanisms combines our first two design decisions
  - Person-oriented: specific, complex, focus on users
  - Machine-oriented: generic, simple, focus on data















- Object reuse: in a single processor system, when a new process becomes active, it obtains access to memory positions used by the previous process. You have to avoid storage residues, i.e. data left behind in the memory area allocated to the new process.
- Backup: whoever has access to a backup tape has access to all the data on it. Logical access control is of no help and backup tapes have to be locked away safely to protect the data.

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