



# Introduction to OPAL

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OPAL

OpenPower Abstraction Layer



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# OpenPower Firmware



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- 
- \* hostboot
  - \* occ
  - \* capp-ucode
  - \* skiboot
  - \* linux
  - \* op-build
  - \* petitboot
  - + more tools



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# skiboot provides OPAL



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skiboot: ~64kLOC / ~500+kLOC



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Core skiboot: ~10kLOC



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# Why OPAL?

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# Linux has control

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# IBM POWER systems



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Workload

OS

Hypervisor

Workload

OS

Firmware



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# Non-Virtualized Linux

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# Linux



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# Other OSs?

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# Why OPAL?

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# FSP vs BMC

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# Boot older OS on new hardware

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# OPAL vs OpenPower Firmware

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# What to boot?



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# Petitboot & linux



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# OPAL Specification?



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**skiboot/doc/\*.txt**



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# OPAL Conformance suite?

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# Contributing

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<https://github.com/open-power/skiboot/>

<https://lists.ozlabs.org/listinfo/skiboot>



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Questions?



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