

HPC User Forum
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IBM Spectrum solutions – Top 5 in 4

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Computing



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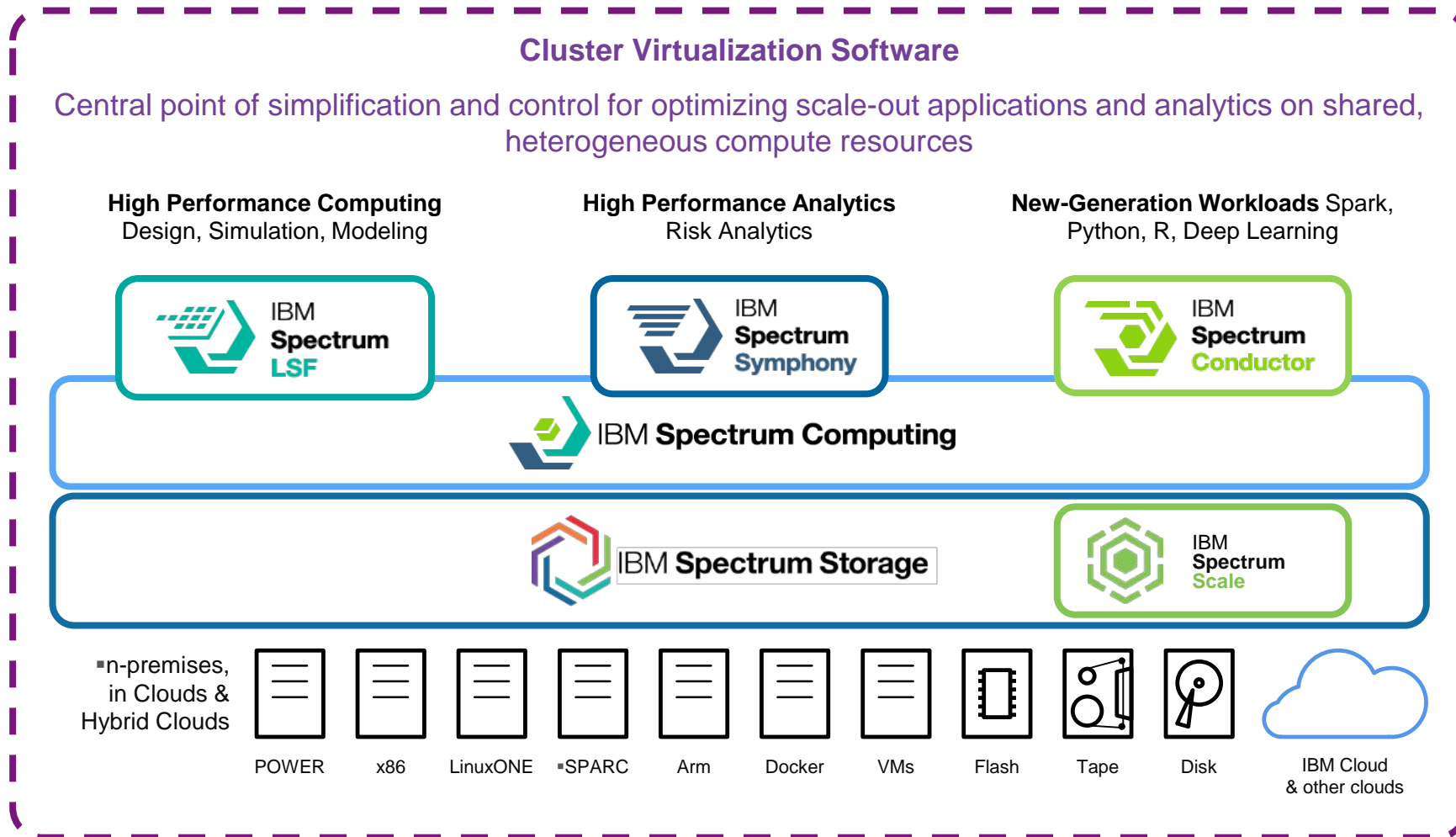
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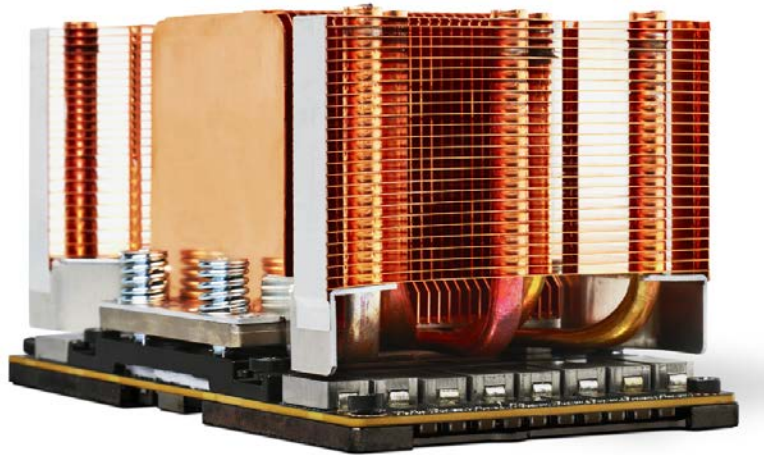
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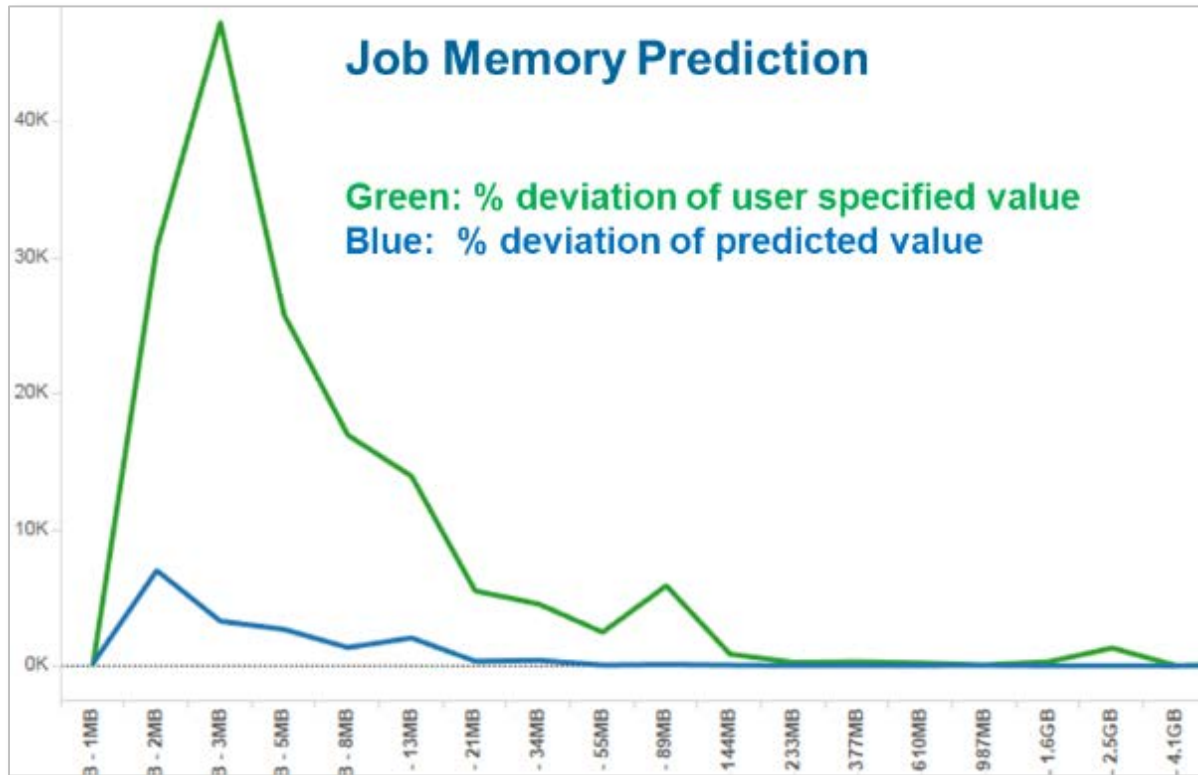


GPU “Zero Config”**



- Spectrum LSF will automatically detect and configure GPU support.
- This means users can schedule GPU enabled codes as soon as Spectrum LSF is installed.
- We’ve also simplified the syntax for using GPU’s (bsub -gpu) but more complex GPU scheduling requirements can still be specified via bsub -R

Memory Prediction**



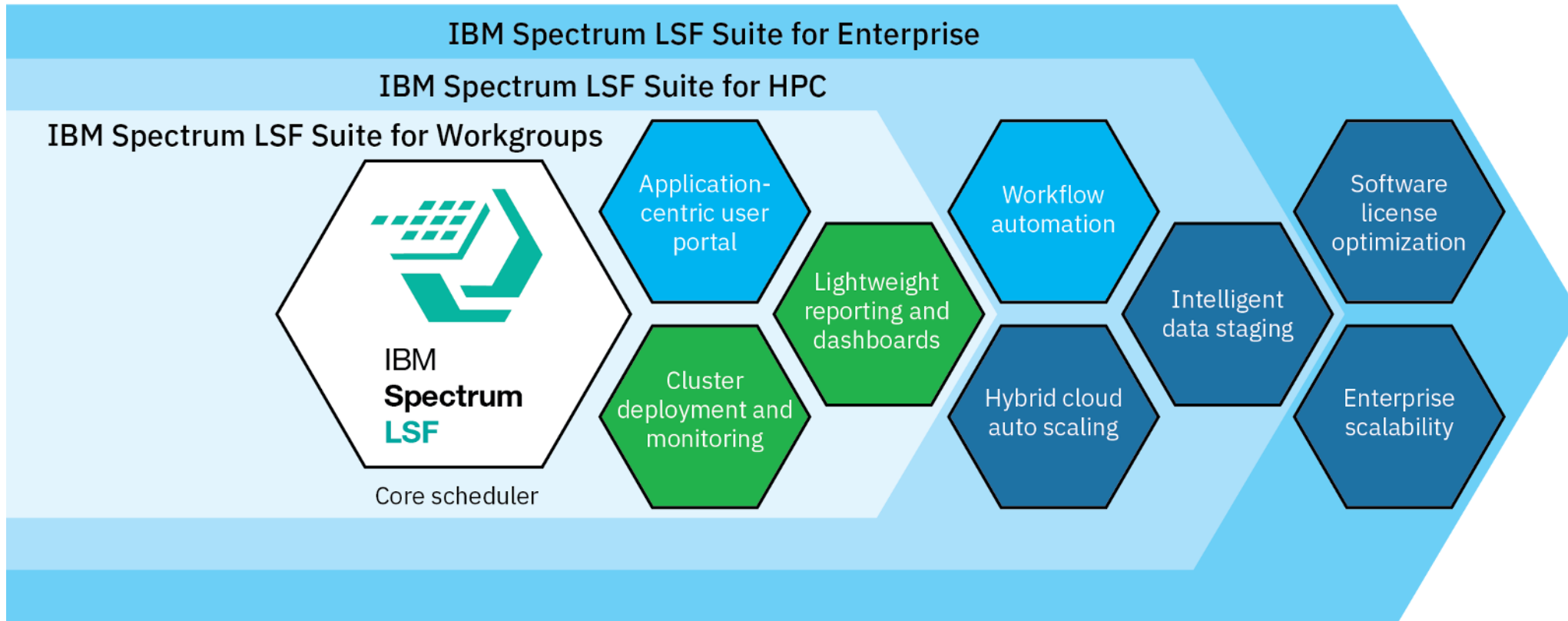
Under-specifying memory leads to job being killed -loss of productivity.

Over-specifying memory leads to:

- Low utilization - loss in productivity
- Higher costs- Users demanding “big memory machines” when they don’t need them.
- Higher execution costs when running on the cloud – paying for much larger instances than needed.



Simplified Packaging, more value



Spectrum LSF Suites for HPC available at no charge
via the IBM Academic Initiative**
<http://developer.ibm.com/academic>

**Subject to the terms and conditions of the IBM Academic Initiative

The Key to Enterprise AI



End to end solution for managing AI workflows

- Simplified data preparation/ingest
- Hyperparameter tuning with visual feedback
- Elastic training – add and remove GPUs to training jobs
- IBM PowerAI: Available deep-learning frameworks optimized for IBM Power Systems



IBM Elastic Storage Server – powered by IBM Spectrum Scale



Integrated scale-out data management
for file and object data

- Based on IBM Power Systems
- Optimal building block for high-performance, scalable, reliable enterprise storage
- One solution for all of your data needs
- Easy to deploy with unified GUI
- Enhancements in IBM Spectrum Scale 5.0 driven by CORAL requirements



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Thank You



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