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IHEP cluster for Grid and distributed computing

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To build a computer cluster for the Grid and distributed computing is a highly complex task. Such cluster has to seamlessly combine grid middleware and different types of the other software in one system with shared cpu, storage, network and engineering infrastructure. To be able to run effectively and be flexible for the still unknown future usage patterns many software systems must be gathered together to build a complete system with high level of complexity. This work present a general possible architecture for such systems and a cluster software stack which could be used to build and operate it using IHEP computer cluster as an example.

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