



Lightweight sites: computing resources

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Rationale

*One of the goals of WLCG Operations Coordination activities is to help simplify what the majority of the sites, i.e. the smaller ones, need to do to be able to contribute resources in a useful manner, i.e. with **large benefits compared to efforts invested**.*

*Classic grid sites may profit from **simpler mechanisms** to deploy and manage services. Moreover, we may be able to get rid of some service types in the end.*

*New and existing sites may rather want to go into one of the **cloud directions** that we will collect and document.*

*There may be different options also **depending on the experiment(s)** that the site supports.*

*There is no one-size-fits-all solution. We will rather have a **matrix of possible approaches**, allowing any site to check which ones could work in its situation, and then pick the best.*

Conclusions and outlook

- The WLCG ecosystem is complex
- Many small sites currently need to invest efforts that are not commensurate with their size nor available funding
- Multiple areas are being investigated to allow small sites to become more lightweight
- Sites are envisaged to be able to pick the best choice from a matrix of solutions
- WLCG should thus evolve toward increased flexibility and sustainability