

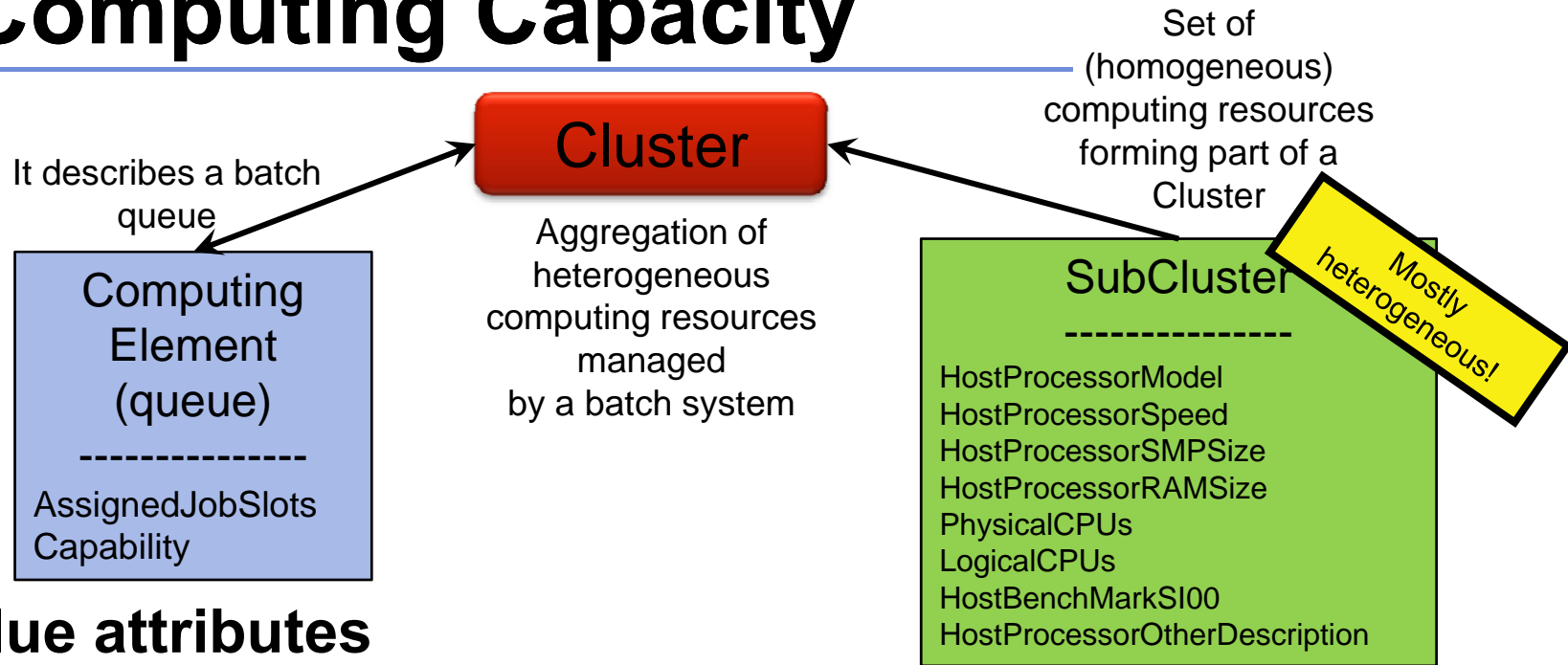
Report on Installed Resource Capacity



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*WLCG Management Board,
CERN 25 November 2008*

Computing Capacity



■ Glue attributes

- $GlueSubClusterLogicalCPUs$ = Total number of core/hyperthreaded CPUs in the subcluster (including machines in state offline or down)
- **$GlueHostBenchMarkSI00$ = Average SpecInt2000 rating per LogicalCPU**

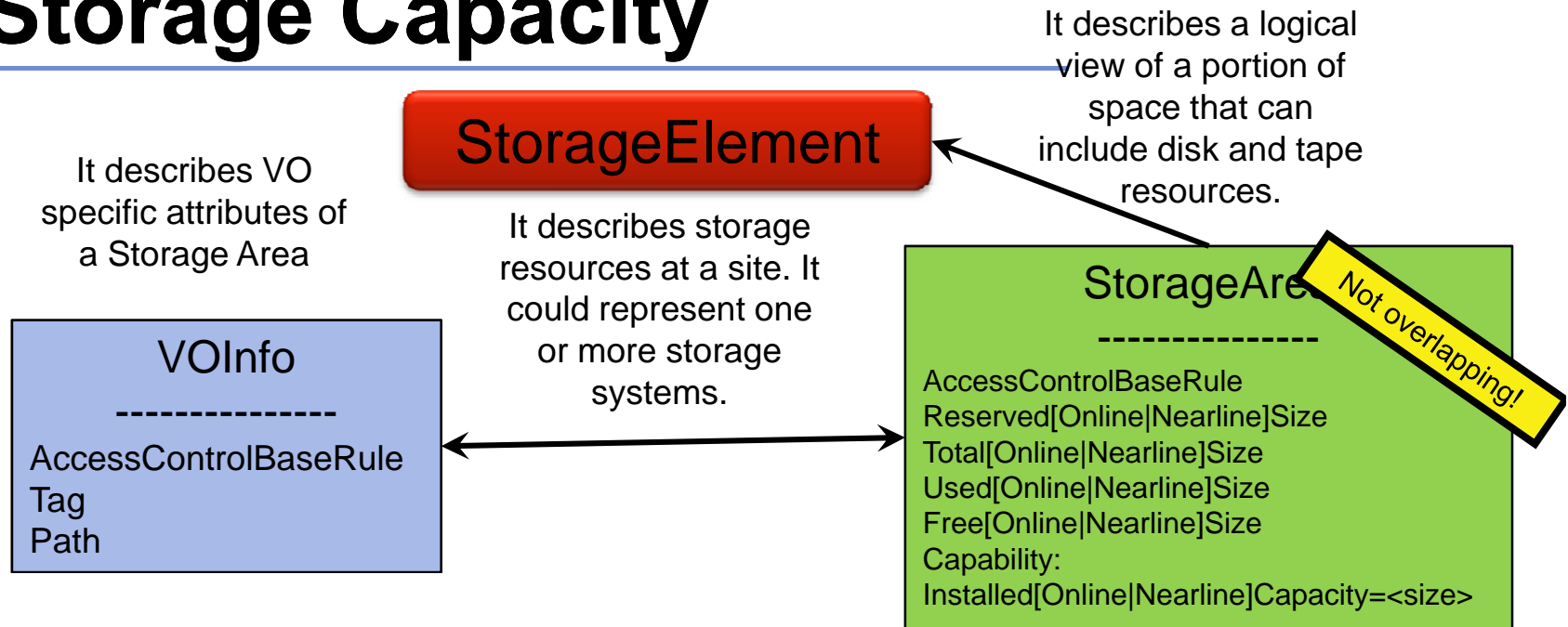


$$Installed\ Capacity = \left(\sum_{WLCG\ Subclusters} BenchMarkSI00 * LogicalCPUs \right) / 10^3$$

- $CECapability$: $CPUScalingReferenceSI00 = \langle refCPU\ SI00 \rangle$ the CPU SI00 for which the published $GlueCEMaxCPUTimes$ are valid.
- $CECapability$: $Fairshare = \langle VO \rangle : \langle share \rangle$; This value is used to express a specific VO share if VO shares are in operation.



Storage Capacity



■ Glue attributes

- GlueSACapability: Installed[Online|Nearline]Capacity = *Online or Nearline space part of a Storage Area. It can be configured but not reserved or reserved but not yet part of a space token or reserved and assigned to a VO.*



$$\text{Installed Capacity} = \left(\sum_{\text{WLCG GlueSA}} \text{GlueSACapability(InstalledCapacity)} \right)$$



Installed Capacity: status

- **A document has been published with all details, operational instructions for site administrators and explicative examples**
 - https://twiki.cern.ch/twiki/pub/LCG/WLCGCommonComputingReadinessChallenges/WLCG_GlueSchemaUsage-1.7.pdf
- **The document is the result of many discussions within the group which includes representatives from:**
 - The OGF Glue Schema Working Group
 - The EGEE Worker Nodes Working Group
 - OSG
 - Storage Information Provider Developers
 - Storage Accounting representatives
 - Client providers
- **We are in the process of reviewing WLCG/EGEE documents and tools to evaluate consequences and needed work:**
 - GridMap, Gstat, SAM tests
 - APEL/cesga accounting and NGS Storage Accounting
 - GOCDB Administrators FAQs and documents
 - Glue 2.0

