

Testing the VAC VM Payload Framework at Liverpool

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- VAC is a runtime framework that gives a plain vanilla worker node the ability to run virtual machine payloads on behalf of client experiments.
- To test if VAC scales well, we converted a section of our production cluster to VAC, comprising 530 VM slots. We ran VM payloads for a period of three months.
- Over that period, we monitored the usage, performance and consistency of the system, and we compiled some statistics to show that VAC provides an straightforward migration route for sites who wish to adopt Virtual Machine payloads without the heavy overhead of implementing an entire private cloud, such as OpenStack.
- In particular, we can report that :

VAC Jobs

(daily average; full occupancy = 530)

