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High Availability Load Balancing in the Agile Infrastructure (CERN)

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This presentation describes several Load Balancing paradigms of services within our puppet managed, CERN private, Openstack cloud. Our primary Load Balancer is HAProxy, which is combined with Corosync/Pacemaker cluster engine or DNS Load balancer. Specifically, we create small clusters of Load Balancers behind a service IP to guarantee front end failover. The aforementioned Load Balancers redirect traffic to a cluster of backed servers, ensuring High Availability of CERN services.

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