



Success Story: Enterprise Organization Resolves VDI slowdowns for certain "users"

Background

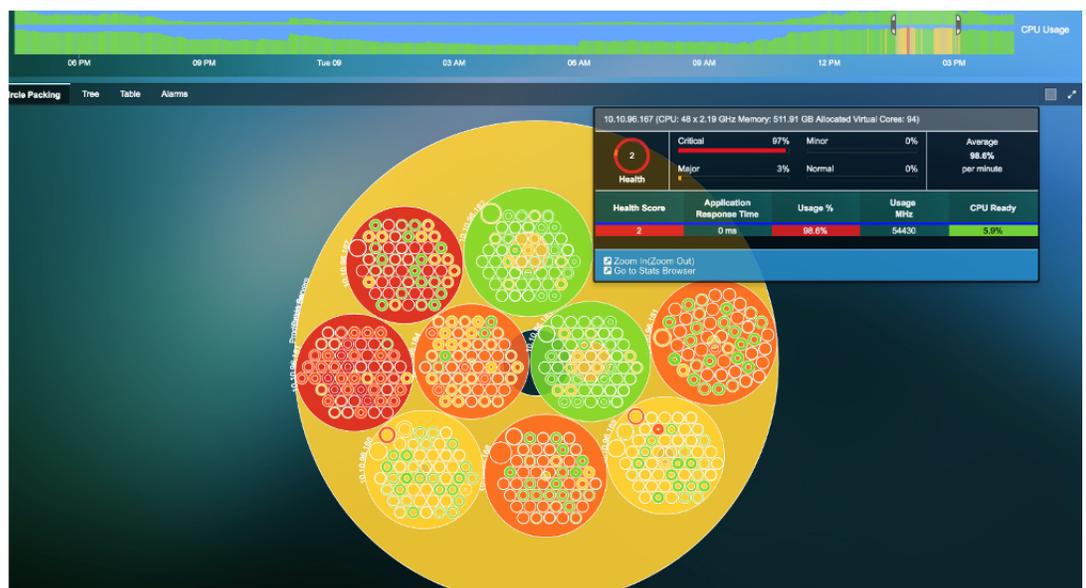
- Enterprise organization that develops software and provides hardware and system support services and has a large VDI deployment.

Challenges/Needs

- Desktop IT team received complaints of application slowdowns from certain VDI users.

Uila Solution

- With Uila's CPU Monitoring capabilities that provides detailed information into the current resource allocation, the Desktop team was able to quickly visualize the imbalance in the compute resource allocation.
- As shown below, certain (red and orange solid circles) hosts had 48 CPU cores and were overcommitted, leading to systematic high CPU ready times on the virtual desktops VMs. While two hosts (green hollow as shown below) had 64 CPU cores and room to accommodate more virtual desktops.





- The Desktop team then used Uila's built-in Right-sizing guidance for Compute resources for the virtual desktop VMs. They downsized the virtual desktops that over overcommitted and found the right balance for all virtual desktop VMs to boost performance and make the most of the existing infrastructure.

VM Name	CPU					O/U Provision Rec.	Memory			
	Capacity (MHz)	core(s)	Avg Usage(%)	Peak Usage(%)	Top 10% Peaks Avg(%)		Capacity (MB)	Avg Usage(%)	Peak Usage(%)	O/U Provision Rec.
8752	4	4	1.6	2.6	2.2	-3 cores	4096	10.8	32.2	-2048MB
8752	4	4	1.6	3.1	2.4	-3 cores	4096	10.6	42.9	-2048MB
8752	4	4	1.7	2.7	2.3	-3 cores	4096	10.5	29.7	-2048MB
8752	4	4	1.5	3.1	2.2	-3 cores	4096	10.7	32.7	-2048MB
						-1 core				-1792MB
	4376	2	0.3	0.4	0.4		3584	3	3.7	
8752	4	4	1.8	2.5	2.3	-3 cores	4096	6.7	12.3	-2048MB
8752	4	4	2.5	3.8	3.1	-3 cores	4096	6.9	15	-2048MB
8752	4	4	1.1	18.7	3.4	-3 cores	4096	6.2	41.9	-2048MB
8752	4	4	1.7	3	2.3	-3 cores	4096	6.2	13.1	-2048MB
8752	4	4	1.4	2.5	2.1	-3 cores	4096	9.3	25.5	-2048MB
8752	4	4	1.1	1.7	1.6	-3 cores	4096	6.1	17.1	-2048MB
8752	4	4	0.8	6	1.5	-3 cores	4096	5.6	20.1	-2048MB
8752	4	4	1.4	2.4	2.1	-3 cores	4096	9.3	33.2	-2048MB
8752	4	4	2.8	28.8	8.1	-2 cores	4096	7	39.9	-2048MB
8752	4	4	1.5	3	2.2	-3 cores	4096	9.9	35.8	-2048MB
8752	4	4	1.1	2.2	1.7	-3 cores	4096	5.6	16.9	-2048MB
8752	4	4	1.4	1.5	1.5	-3 cores	4096	7.7	10.4	-2048MB
8752	4	4	1.5	3.3	2.2	-3 cores	4096	10	27.9	-2048MB
8752	4	4	1.1	12.3	2.7	-3 cores	4096	6.5	27.4	-2048MB
8752	4	4	2.5	3.6	3.1	-3 cores	4096	6.7	12.9	-2048MB

Uila Benefits

- Sizing the environment with Uila, helped the team prevent problems of usage at the peak times, as well as make the best choice for their infrastructure investment. This helped the organization with their IT budget allocations, but most importantly ensured end-user satisfaction.
- Make future budget allocation decisions on the infrastructure based on hard and real facts from the deployment.