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Solution Brief: VDI/June 2019

Reduce VDI User Complaints & Maximize IT Team Efficiency

Solve Virtual Desktop Infrastructure Challenges In A Single Click

Application-centric Insights

Non-disruptive and scalable auto-discovery solution with automatic correlation between end-user VDI performance and connectivity issues with underlying network, storage and compute performance to get to root-cause before user impact.

AI-Based Root-Cause Analysis

Continuous Machine Learning (ML) to identify VDI anomalies from performance baselines to head off problems at the pass, and eliminate finger pointing between infrastructure and application teams with automated root cause and forensics.

Maximize Collaboration

Align business and IT Operations goals in a single product with VDI visibility and correlated network, compute and storage insights to maximize team efficiencies.

Solve Virtual Desktop Infrastructure Complaints such as:

- Slow Application Loading
- Slow Application Response
- Screen lag
- Graphics Responsiveness
- User logon Timeouts/slowness

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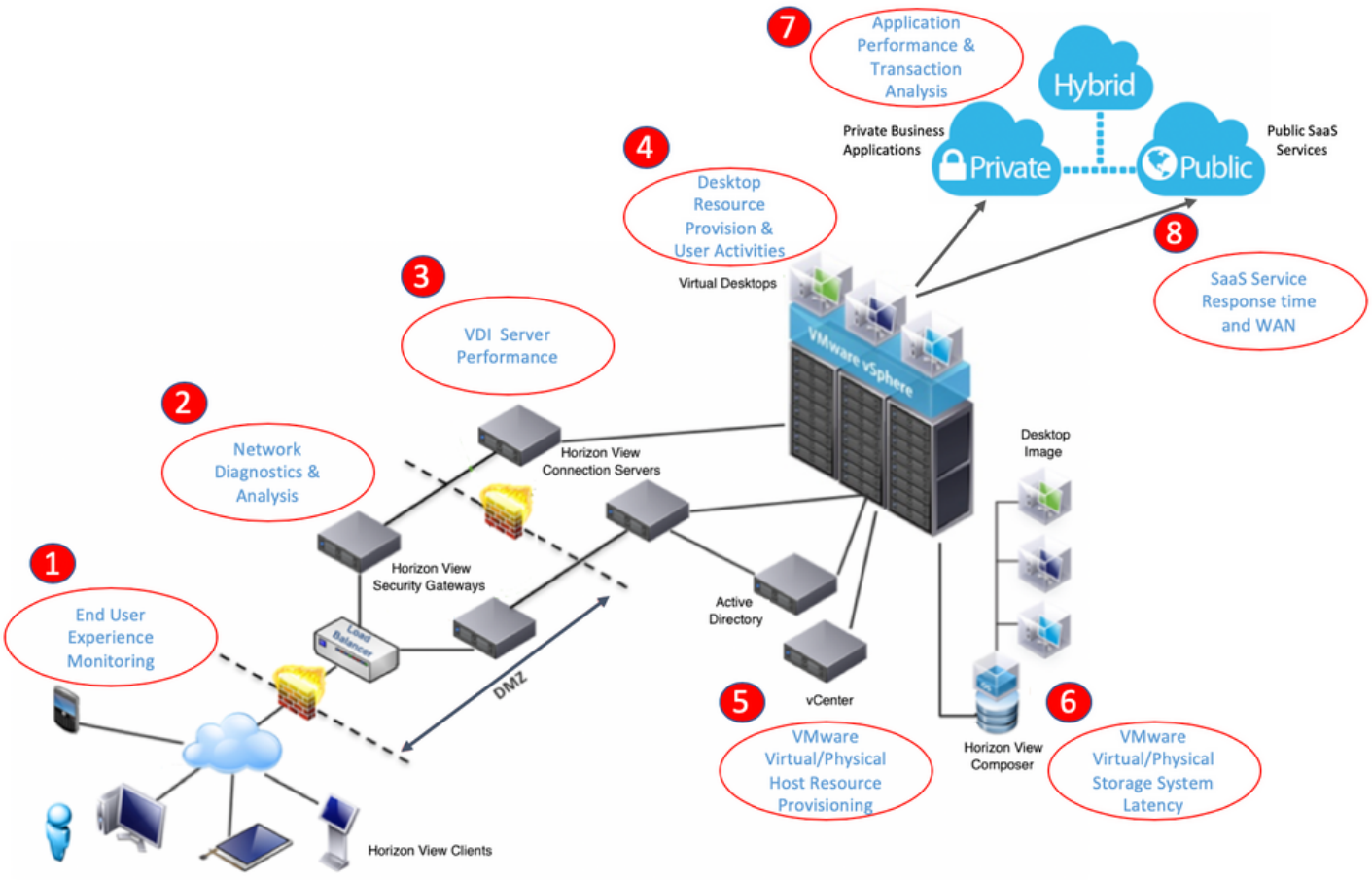
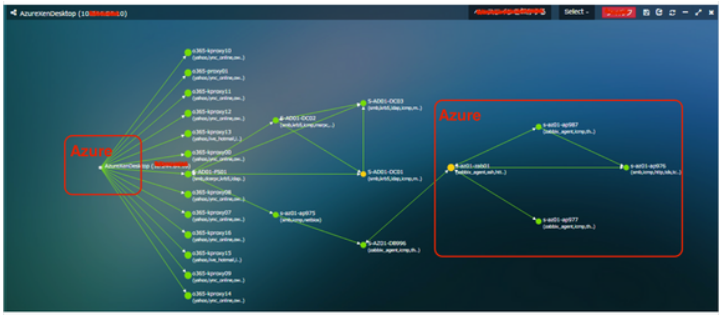
Uila's Comprehensive VDI Monitoring



Automated VDI Components Discovery



- Discover VDI Components and all interdependencies.Reduced Time to Value with automatic discovery of the topology map.
- Troubleshoot issues proactively at lightning speeds with full visibility into the dependencies across applications and infrastructure. View each application service performance by its response time and transaction load on the associated VMs.
- No manual updates or interventions needed to build the Dependency mapping. Install Uila, and we will build the maps automatically with NO code changes needed.
  Application dependency and topology mapping provides critical insight for defining Migration & Disaster recovery Strategies.
  Key Performance Indicators such as Application Response Time, Transaction Volume, packets, etc. for every application discovered.

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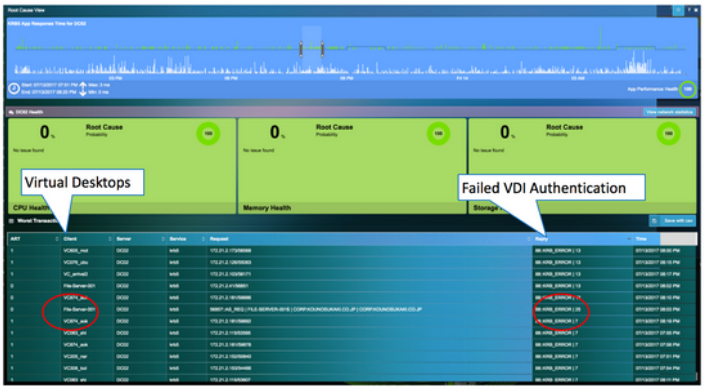
Automated VDI Components Discovery

- End-user response time tracking proactively alerts IT to service degradation from the user's perspective before user and revenue impact.
- Response time analysis breaks down delays by the server, network, storage, application and clients.
- Site-by-site and client-by-client analysis isolates and correlates user issues to the real root cause, thus speeding up troubleshooting time.

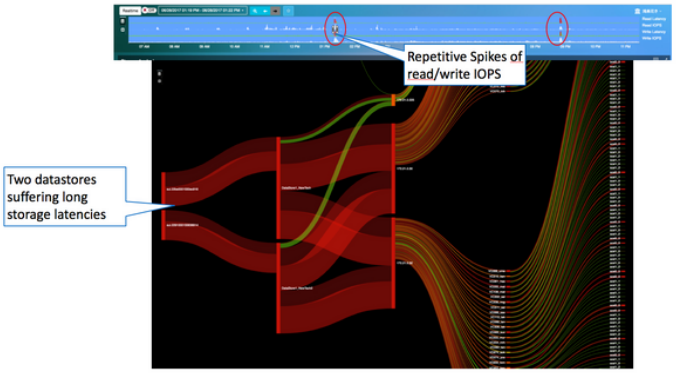
Troubleshoot at High Velocity with Root-Cause Analysis

- Monitor application performance and perform rapid root-cause analysis and reduce MTTR from days to minutes.
- Utilize continuous Machine Learning (ML) & Behavior Learning algorithms to identify anomalies from performance baselines instead of manual guesstimates, to provide unprecedented level of accuracy.
- Identify if VDI issues are due to the Infrastructure resources, Authorization & Authentication issues, etc.
- Identify Kerberos Authorization errors, slow JMS & bad DND queries.



Pinpoint Storage issues impacting VDI performance

- Monitor Storage performance across multiple vendor’s storage arrays on a 24 x 7 basis.
- Visualize trending performance issues on Read/Write latencies and IOPS across VMs, vDisk and Data Stores.
- Understand the problematic tiers within your storage infrastructure and isolate any issues impacting VDI performance.
- Simplify capacity planning procedures with insights into storage hotspots.



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Visualize Network Traffic issues impacting VDI performance

- Visualize how the application network traffic traverses across physical devices, virtual entities & Application Services, to pinpoint network hot spots impacting application performance.
- Review Network Round Trip Time, Traffic Volume, Retries, Packet Drops, Application Response Time for each application.
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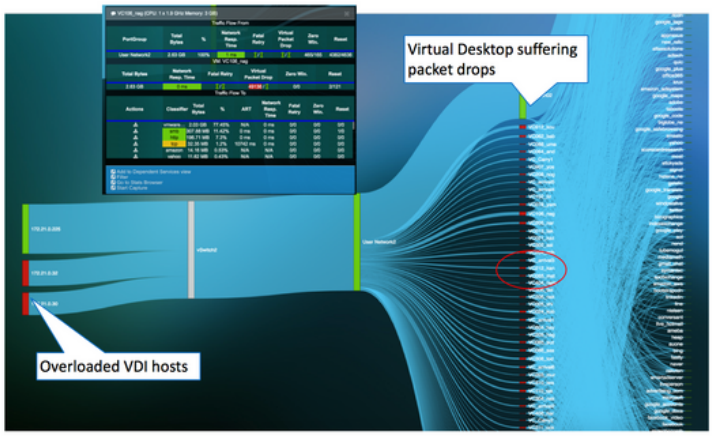

Rightsize and Optimize your VDI Deployment

- Visualize under-provisioned hosts or instances leading to application performance issues. Visualize money left currently on the table with over-provisioned infrastructure assets.
- Visualize VM performance and utilization for a variety of resources including CPU, Memory and compare usage trends with allocated resources. Generate right-sizing reports for VM resources and share with the rest of the team.

	CPU						Memory			
VM Name	Capacity (MHz)	core(s)	Avg Usage(%)	Peak Usage(%)	Top 10% Peaks Avg(%)	Over Provision Rec.	Capacity (MB)	Avg Usage(%)	Peak Usage(%)	Over Provision Rec.
wpserver1-AWS	2400	1	0	0	0		994	0	0	
wpserver2-AWS	2400	1	0	0	0		994	0	0	
AWS-LoadBalancer-1	2394	1	0	0	0		994	0	0	
VIC	6500	2	0.5	6.1	0.9	-1 core	4096	8.7	69.2	
vCenter-6.7	6500	2	2.4	4.2	2.8	-1 core	10240	12.4	23	-5120MB
DBServer-1	3250	1	0.1	0.7	0.2		2048	1.5	3.8	-1024MB
DBServer-2	3250	1	0.1	0.6	0.1		2048	1.4	3.4	-1024MB
DBServer-3	3250	1	0.1	0.6	0.1		2048	1.4	4.8	-1024MB
DBServer-4	3250	1	0.1	0.6	0.1		2048	1.4	3	-1024MB
CentOS-6.8-DB	3250	1	0.1	0.1	0.1		2048	1.3	2.7	-1024MB
CentOS-6.8-wordpress	3250	1	0.1	0.2	0.1		2048	1.5	3.9	-1024MB
ip-10-										