

AUTONOMIC PLATFORM FOR VDI ENVIRONMENTS

Assuring the Performance of Applications Running on VDI

Control I/O-Intensive Tasks on VDI Deployments

Virtual Desktop Infrastructure (VDI) places significant demands on the underlying compute, storage and network infrastructure.

Patches, antivirus updates and virus scans generate I/O spikes causing congestion on the storage controller resulting in significant latency. With VDI workloads that have been relatively sequential become random. I/O “blending” increases read/write activity on the disk heads further degrading performance.

Assuring end-users receive an experience equivalent to that of a physical desktop is a challenge.

Turbonomic manages the significant resource demands and fluctuations which often stall VDI deployments by continuously assuring Virtual Desktops get the resources they need, when they need them.

KEY BENEFITS

- Extend Turbonomic to control VDI assuring workload performance while utilizing the underlying infrastructure as efficiently as possible
- Intelligently prioritize I/O intensive tasks (e.g. patch, anti-virus, re-boot) to assure continued VDI performance
- Assure VDI performance through correct real-time placement of dynamic end-user workloads during I/O intensive events
- Eliminate need to over-invest in storage or overprovision VDI infrastructure
- Free up VDI admins from having to “baby-sit” routine system update tasks

Turbonomic Solution

Turbonomic extends self-management to VDI environments assuring workload performance while utilizing the infrastructure as efficiently as possible. With VDI self-management, I/O intensive events (e.g. patch updates, virus updates, re-boot) are intelligently throttled to maintain end-user experience without having to run VDI deployments on dedicated or overprovisioned infrastructure.


Turbonomic enables you to:

- Gate I/O intensive tasks, minimizing I/O congestion on the storage controller
- Prevent I/O events from simultaneously hitting the same datastore, reducing I/O congestion and latency
- Real-time placement of dynamic end-user workloads assuring they get the compute, storage and network resources they need
- Distribute virtual desktops during “boot storms” eliminating the potential of overloading the storage controller
- Improve workload density and hardware utilization without impacting performance
- Stop overprovisioning hosts and storage for dedicated VDI environments
- No need to over-invest in solid state drives for caching to overcome virtual desktop performance issues
- Maintain performance during I/O intensive events, limiting the need for admin intervention
- Automatically distribute I/O intensive actions throughout the environment
- Quickly assess individual user workloads across the entire environment in a “single-pane of glass” to address issues
- Plan for increase users in real-time, or over time, using existing end-user workloads as profiles for new workloads
- Simulate and plan migrations to different environments, including DaaS (desktop as a service) or new data centers

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73% of Customers have reduced VDI performance issues by 20% of more


Research by 

Reduce VDI Issues

73% of surveyed IT organizations have reduced VDI issues by 20% or more since deploying



Source:  TechValidate survey of 56 users

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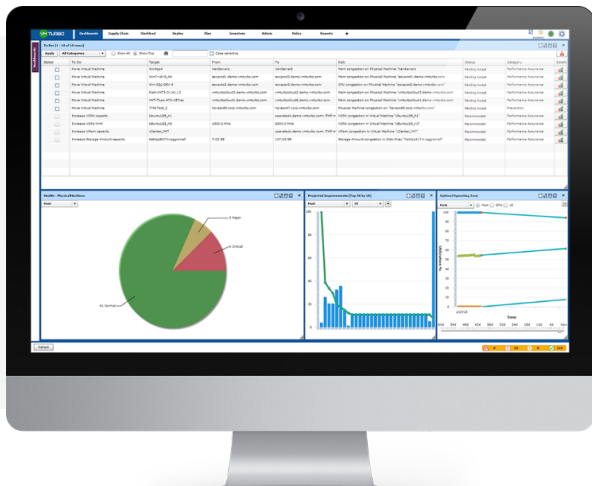
Enabling Customer Success

"We have been able to deploy VDI faster than we normally would have. We are confident in the environment because of what Turbonomic shows."

- Engineer, Large Enterprise Health Care Company. Research by TechValidate

Correct Real-Time Placement
Self-Managing I/O Intensive Demand
Intelligently Deploy VDI Workloads

Automatic Sizing Decisions
Improve Workload Density
Manage "Bully Users"



Try Turbonomic

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