Looking to effectively manage your virtualization infrastructure and workloads?

ControlUp has it all and then some:

Total visibility of your Virtualization stack

Fast issue remediation from within ControlUp

User experience metrics and optimization

Insightful Analytics

Not only does it provide real-time monitoring, but it has a plethora of tools and features that make administration a breeze. Not sure how we got along without it all these years.



Lawrence J. Clark Manager Software as a Service

Compatibility Matrix

VMware vSphere	6.x, 5.x
Microsoft Hyper-V	2016, 2012 R2
Citrix Hypervisor	6.x, 7.x
Citrix Virtual Apps	7.x, 6.x, 5.x (64 and 32 bit)
Citrix Virtual Apps & Desktops	7.x, 5.x
VMware Horizon View	7.x, 6.x, 5.x
Microsoft RDS	2016, WS 2012 R2, WS 2008 R2, WS 2003 TS/RDS
Windows Server	2019, 2016, 2012 R2, 2008 R2, 2008, 2003
Windows Client	10, 8.x, 7, Vista, XP



Complex

IT INFRASTRUCTURE

in Plain View



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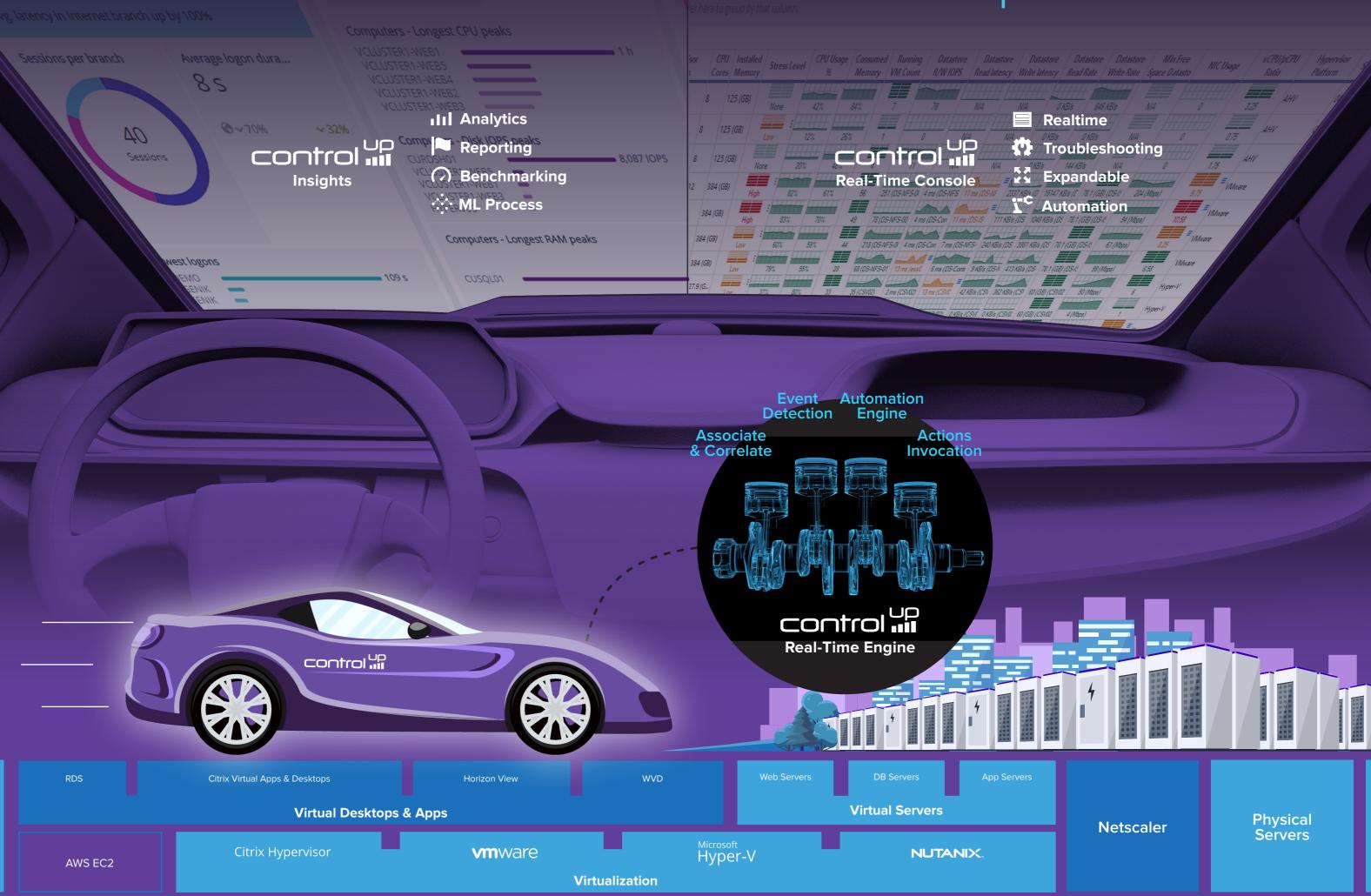








On the Road to Self Driven EUC Operations



Computers. **VMs**

Folder

Clusters

Hosts

Storage

Model, Name, OS, OS SP. Physical Addresses, Registered IP Addresses VM Name VM Power State, VM Tools State. VM Tools Version, VM Tools. Hypervisor Platform, Error Rate Version State, Guest Name, Host Name DNS A Records Domain DNS, Domain Role, CPU Count, AWS Instance, Last Boot, Server, Virtual Machine, Virtual Machine Snapshot Exists, Virtual Machine Snapshot Size, VM -Davs Suspended, Workstation, XD Broker, XD VDA, Flash Mode Enabled, Nutanix CVM, Net ERR In Net FRR Out

Configuration Stats

Configuration Stats

Configuration Stats

Configuration Stats

Hosts Count, Computers Count, VM Count, User Session

Automation level, DRS Status, HA Admission Control, HA

Host Monitoring, HA Status, HA VM Monitoring, Cluster

IP Address, Cluster Version, vSAN Fnabled, vSAN Disk

Configuration, vSAN Health, Hypervisor Connection URL

Count, Critical Stressed Host/Computer Count, DRS

CPU Metrics

CPU Score, Host CPU Usage, Processor Queue Lenath, CPU, CPU Excessive SMP Use, CPU Ready, CPU Swap Wait, CPU System Time. CPU Cores (OS), CPU Cores (VM), CPU Logical Processors (OS), CPU Logical Processors (VM). CPU Model, CPU Sockets (OS), CPU Sockets (VM), CPU Speed, CPU Shares

Decoder Usage, GPU Video Encoder Usage

Memory Status, Startup Memory (Hyper-V only), Virtual Machine Memory Balooning, Memory Shares

Write IOPS, Virtual Disk Write Latency, Virtual Disk Write KBps, Total Read Rate (KBps), Total Write Rate (KBps)

Mode, Version, Worker Group, Zone, Zone Data Collector, Citrix Licenses - Available & In-use, Top

Citrix License Utilization, Session Disconnect Rate

Number of ICA Sessions, PVS RAM Cache Usage

Number of Registered Desktops; XD in Use / Published Apps Ratio

Hourly Cost, Attached Storage Hourly Cost, Catalog Price per Hour, Days to RI Expiration Date, EC2 Instance Hourly Cost, RI Expiration Date, RI Upfront Hourly Cost, Total Hourly Cost

Sessions

Session Name, State, User, Processes, Connect Time, Disconnect Time, Domain, DNS, ID, Logon Time, Branch Name, User Active Directory Full Name, User Active Directory OU Path and Name

Session CPU

CPU Metrics vGPU Metrics

GPU CPU Utilization, GPU decoder Utilization, GPU encoder Utilization, GPU Frame Buffer Memory Utilization

Memory Metrics

Memory (Private Bytes), Memory (Working Set), Page Faults/sec

I/O Read Operations/sec, I/O Write Operations/sec. Disk Read KB/s. Disk Write KB/s

Disk Metrics

Network Metrics

Network Send KB/s. Network Received KB/s

UX Metrics

Resource Consumption Score, UX Score, Logon Duration, Avg. App Load Time, Logon Simulator Protocol Latency, Protocol Bandwidth Usage/ Limit, User Input Delay

Citrix Virtual Apps

Citrix Receiver Version, Client IP. Client Name, Avg. Protocol Latency, Idle Time, Initial Program, Branch Name

Citrix Virtual Apps and Desktops

Receiver Version, Client IP, Client Name, Connection Protocol, Protocol Bandwidth Consumption, Protocol Bandwidth Limit, Applications In Use, Authentication Duration, Brokering Date & Duration, Connected HDX Connection Load Time, Logon Scripts Load Time, VM Start Duration, XD Apps in Use, XD Apps in Use Count

Horizon View

Client IP. Client Name, Idle Time, View Client, Connection Server URL. Domain, Protocol, Tunnel, Type. Branch Name, Avg. Protocol Latency, PCoIP Kbit/sec - Session Avg.

Processes

Configuration Stats

Configuration Stats

Created Time Command Line Publisher Exe Name, Exe Size (KB), Exe Version, Exit Code, Exit Time, Modified Time, PID, Priority, Parent Session ID, Start Time, PPID, Thread Count, Nice Priority

CPU Metrics

Process CPU

vGPU Metrics

GPU Utilization GPU decoder Utilization, GPU encode Utilization, GPU Frame Buffer Memory Utilization

Memory Metrics

Memory Private Bytes and Working Set, Page Faults/sec

Disk Metrics

I/O Read Operations/sec. I/O Write Operations/ sec. Disk Read Total, Disk Read KB/s, Disk Write Total, Disk Write KB/s

Network Metrics Network Sent Total

Network Sent KB/s. Network Received Total Network Received KB/s

UX Metrics

Application Load Time Application Load Time Profiler. Browser URL, User Input Delay

Citrix Virtual Apps & Desktops

XD Published App Name, XD Published App Created, XD App State, XD Active Sessions, XD App Instances Count, XD Available / Published Ratio, XD Available On Count, XD Disconnected Sessions, XD managed / running ratio, XD Published On Count, XD Running / Available Ratio, XD Running / Published Ratio, XD Total Sessions, XD Total Users

NetScaler

Configuration Stats

Name, Management IP, Last Save Date, Saved Config, Version, Start Time, Management CPU, Last Config Date, License Expiration Date, HA current node state, HA Heartheats received rate HA Heartheats sent rate HA Sync failure, HA System State, HA sync, HA propagation

CPU Metrics

NetScaler % of GWs Up, NetScaler % of LBs Up, NetScaler Appliances, NetScaler Appliances with Unsaved Config, NetScaler Gateway Total, Bytes In / sec, NetScaler Gateway Total Bytes Out / sec, NetScaler LB Bytes In / sec, NetScaler LB Bytes Out / sec, NetScaler LB Total Hit Rate, NetScaler Total Traffic In, NetScaler Total Traffic Out, NetScaler Total HDX Sessions, NetScaler Total LB Users Connections, NetScaler Total, SSL Users, % of GWs Up, % of LBs Up, Traffic Out, Days since last save, GW Down, GW Up, HDX Sessions, LB Connections, LB Down, LB Up, Memory Used Percentage, Packet CPU, SSL Users, Stress Level,Total GWs, Total LBs, Days Until Next Certificate Expiration, Days Until Next License Expiration, NetScaler Name, ID

vGPU Metrics

NetScaler Name, Name, State, Primary IP Address, Primary Port, Stress Level, Connections, vServer Health, Active Services, Hit Rate, Traffic In, Traffic Out. Inactive Services, Spill Over, Surge Count, LB Method, Protocol, LB Name, Service Group Name, Service Type, Client Connections, Requests / sec. Responses / sec, Server Connections, Services Up / Total, Server Connections, Client Connections, Total Services, Service Type, State, Effective State

Memory Metrics

NetScaler Name, Name, State, IP Address, Stress Level, Current Users, Traffic In, Traffic Out, Requests / sec. Responses / sec, Days Until certificate expiration, Certificate Name, Certificate Expiration Date, ICA Proxy, LDAP Administrator Bind. LDAP Server, LDAP Server Port, Policy Name, SSO Domain, StoreFront Address, Port, Gateway Name, Auth Id, Stress Level

Disk Metrics

NetScaler Name, Username Domain, Source IP, Destination IP, Port, Stress Level

Contextual Management Actions

Flush DNS, RDP to Computer, Send Super Message, Reboot Machine, Send Wake-On LAN Signal, Shutdown Machine, Refresh Machine Group Policy, Import Registry, Disable Process Execution, Enable Process Execution Run As Launch Event Viewer Admin\$ NSI ookun Ping Test WMI Trace Force Power Off VM, Power On VM, Restart Guest, Shutdown Guest, Enable / Disable Maintenance Mode

Sessions Actions

Chat. Remote Assistance, Disconnect Session, Log Off Session, Shadow Session, Send Super-Message, Get Session Screenshot, Refresh User Group Policy, Kill Policy, Reapply Group Policy, Registry Import, Start Process In Session

Processes Actions

End Process, Kill Process, PSKill Process, Set Process Priority, Start CPU Throttling

Permission Delegation

Delegate management actions based on AD group membership

Controllers

Manage the registry, services, file system and programs and updates on multiple targets; comparison and batch management

Automation & Script Actions

Interactive Historical Reporting

& Analytics

Script Engine VB, Powershell, Batch

Computer Actions

Contextual Script Actions

Expandable, Customizable, Multi Target Execution, Use Your Own Scripts Or Community and Expert Scripts

Automation Categories Dynamic UX Optimization, Automatic Remediation, Augmented Troubleshooting, Resource Allocation Optimization

BI & Analytics

User Session Count, User Session Activity, User Session Details, Session Resources, Session UX

Application Usage Application Usage Summary, Application Usage Details, Application Statistics, Application Trends

VDI Management Protocol Latency, License Usage

Well as KPIs, Environment Assesment Report, Sizing Recommendations Report

Enterprise Features

Resource Consumption User Sessions Host, VM, User Session and Application Resource Consumption. VM and Host Statistics

Top Insights - an IT Dashboard with A Smart BI Engine and Unique Findings as

Reports, Permission Delegation