

How NVIDIA and Dell EMC are Quantifying the User Experience

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What we do

- VDI Solution Testing and Validation
- Collateral
 - Reference Architectures
 - Design Guides
 - Validation Guides

<https://community.emc.com/docs/DOC-69231>

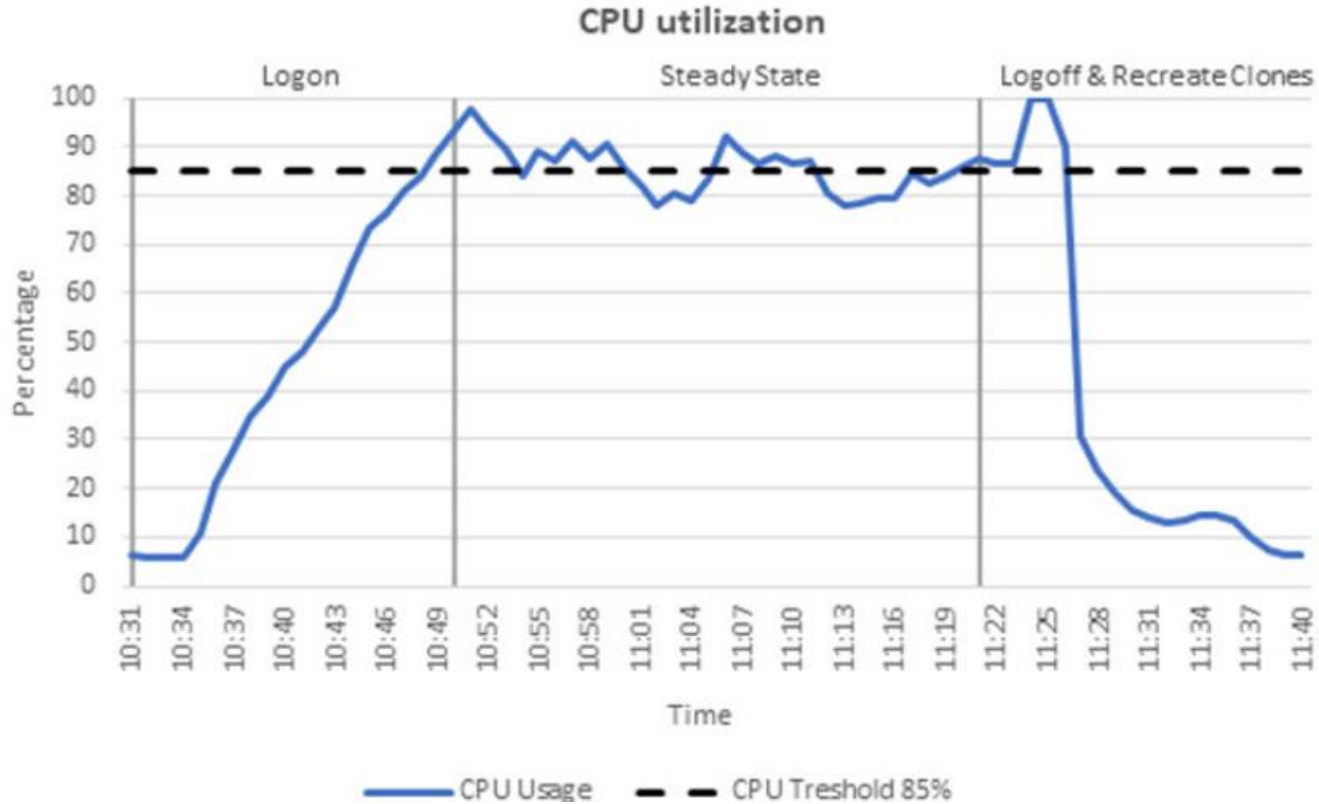
What we currently measure

- Host CPU Utilization
- Host Memory Utilization
- Host Network throughput
- Host I/O Latency
- User login times
- Application launch times
- **Parameter Pass/fail thresholds**
 - Physical host CPU utilization 85%
 - Physical host memory utilization 85%
 - Network throughput 85%
 - Storage I/O latency 20 ms

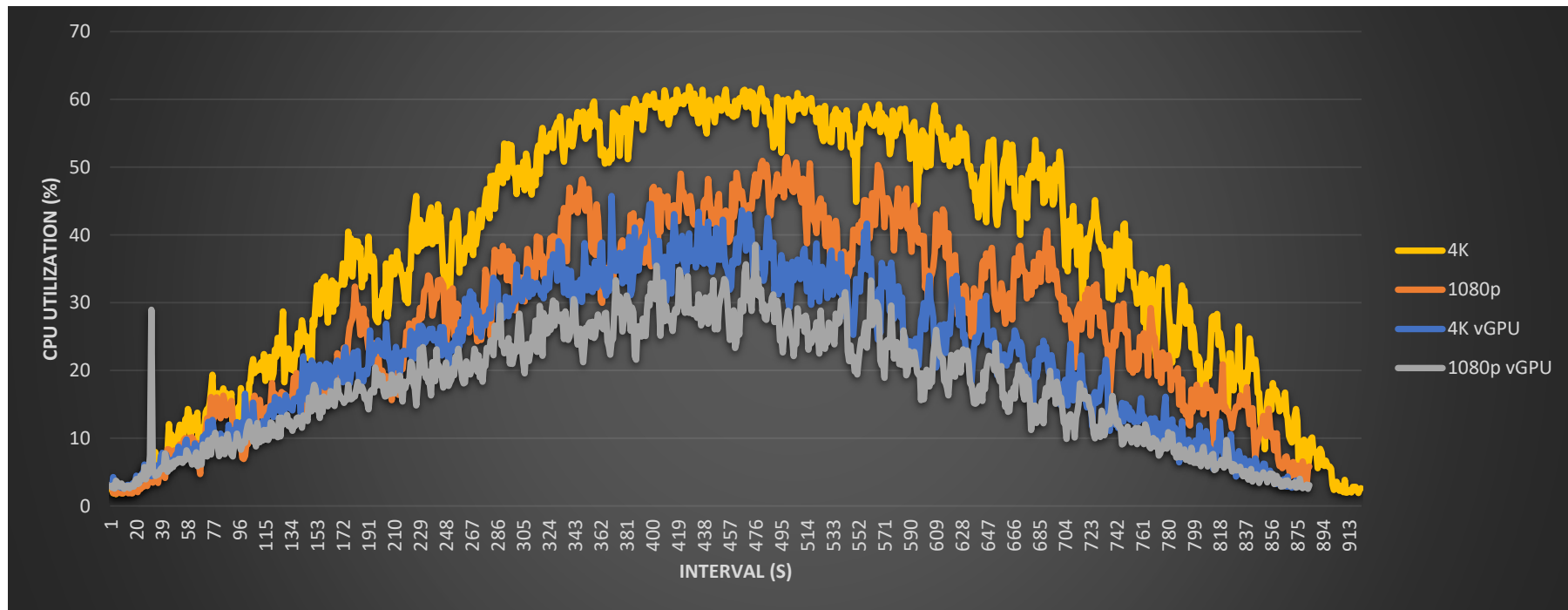
What we would like to measure

- Is the individual desktop user experience good?
 - How do we quantify this?
- End user latency at the end point
- End user frames per second

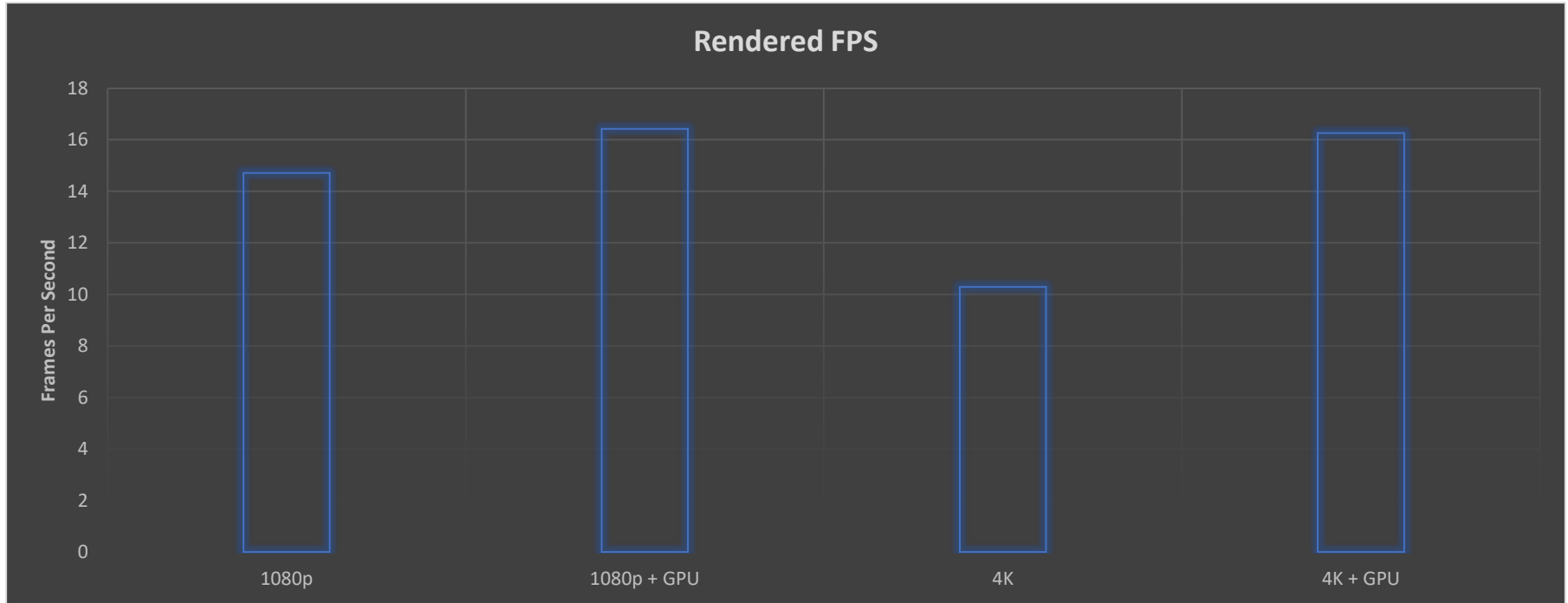
CPU Utilization during test run



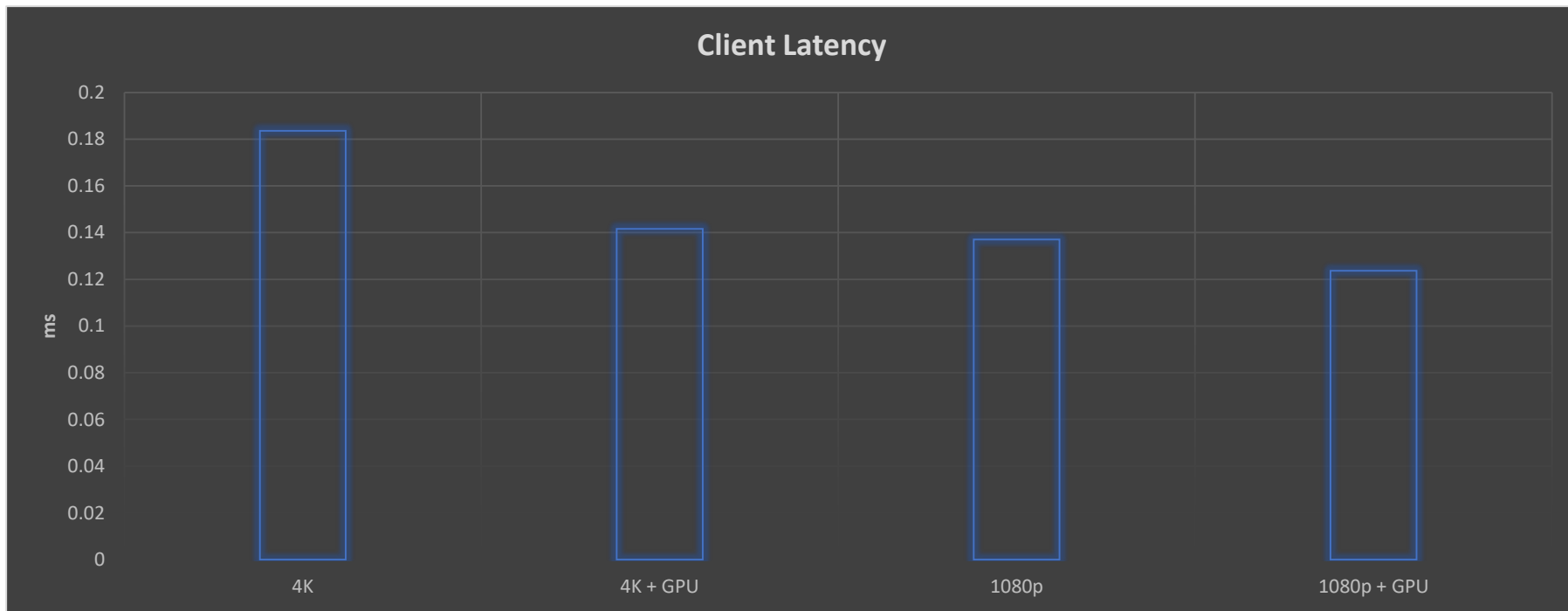
NVIDIA nVector toolset – Host CPU Utilization



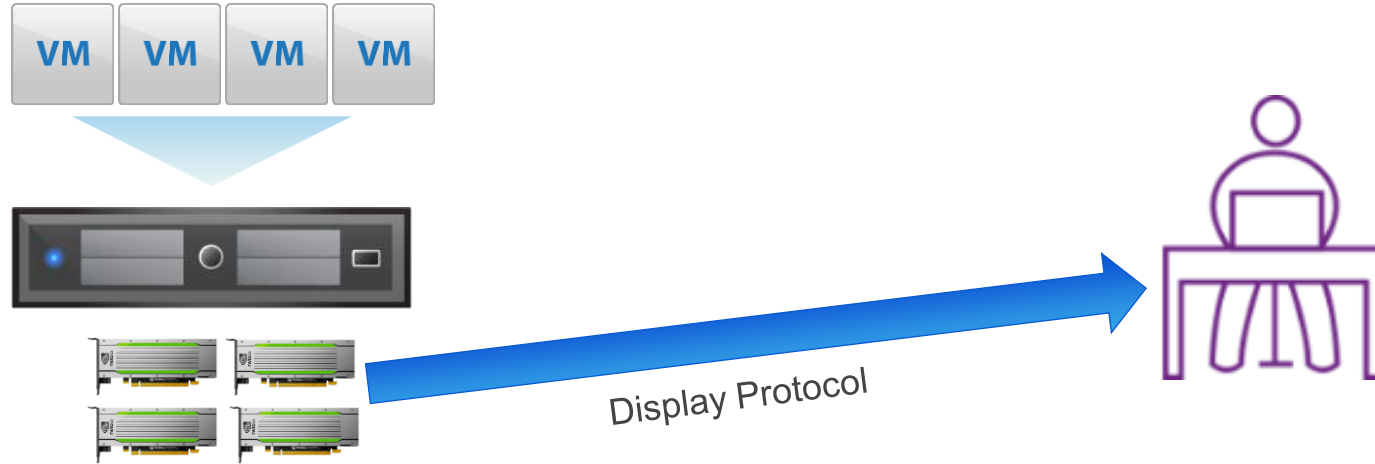
NVIDIA nVector toolset – Rendered FPS



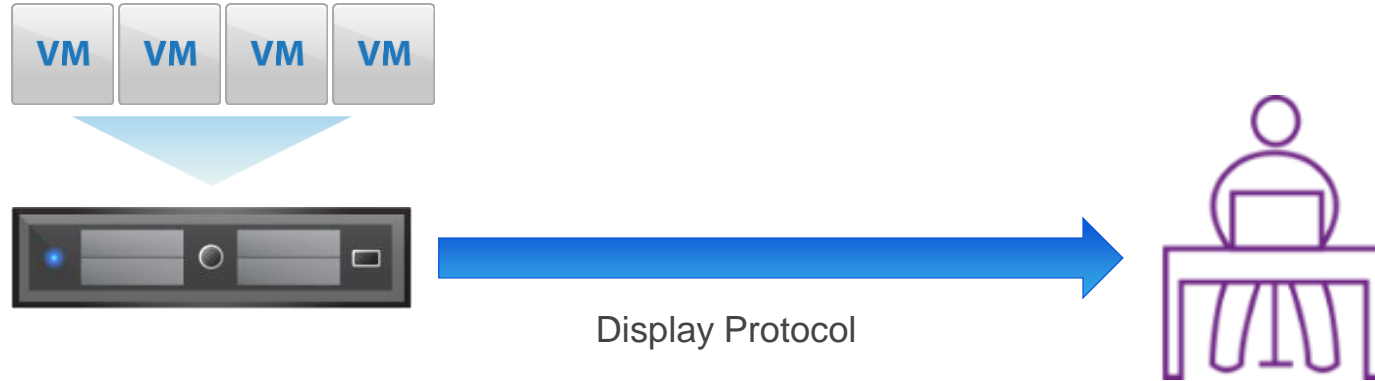
NVIDIA nVector toolset – Client Latency



End to end solution (GPUs)



End to end solution (No GPUs)



Q+A

REAL
TRANSFORMATION

DELL Technologies