



We'll Prove It

The hard facts for measuring AVD management efficiency





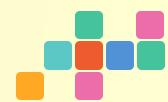
What is SysAdmin Experience Scoring?

Administrative Tasks Under Test

Measuring AVD and NME Console Efficiency

Comparison and Findings

Conclusion and Next Steps



Dr. Benny Tritsch

Performance Data Scientist

Creator of the EUC Score Toolset

https://drtritsch.com | https://eucscore.com





Aaron Parker

Senior Staff Engineer, Office of the CTO



@stealthpuppy.com





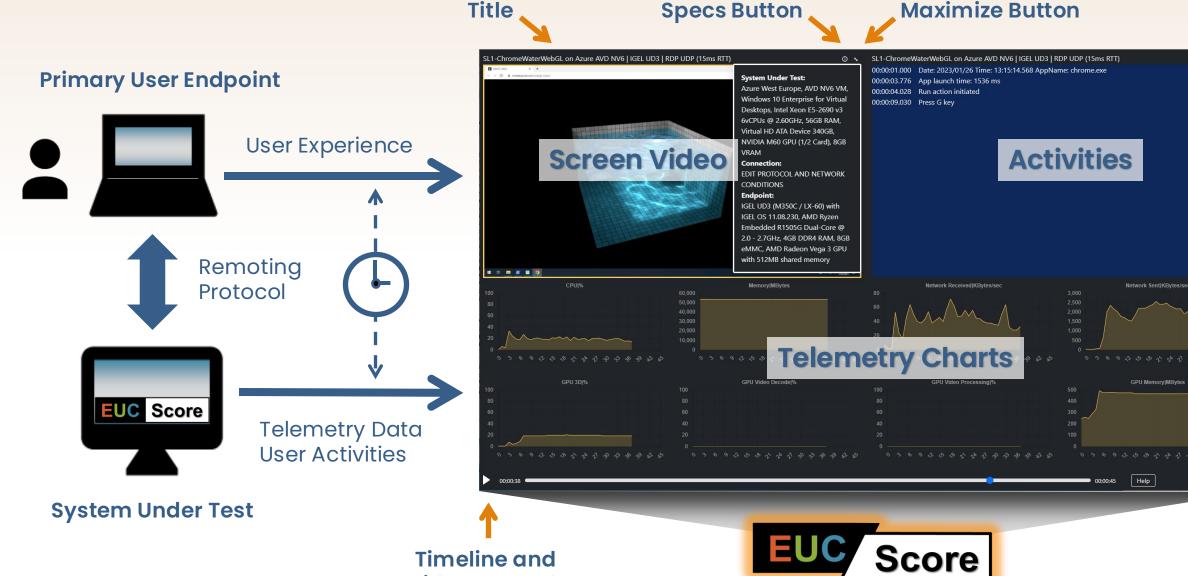


SysAdmin
Experience
(SAX) Scoring?





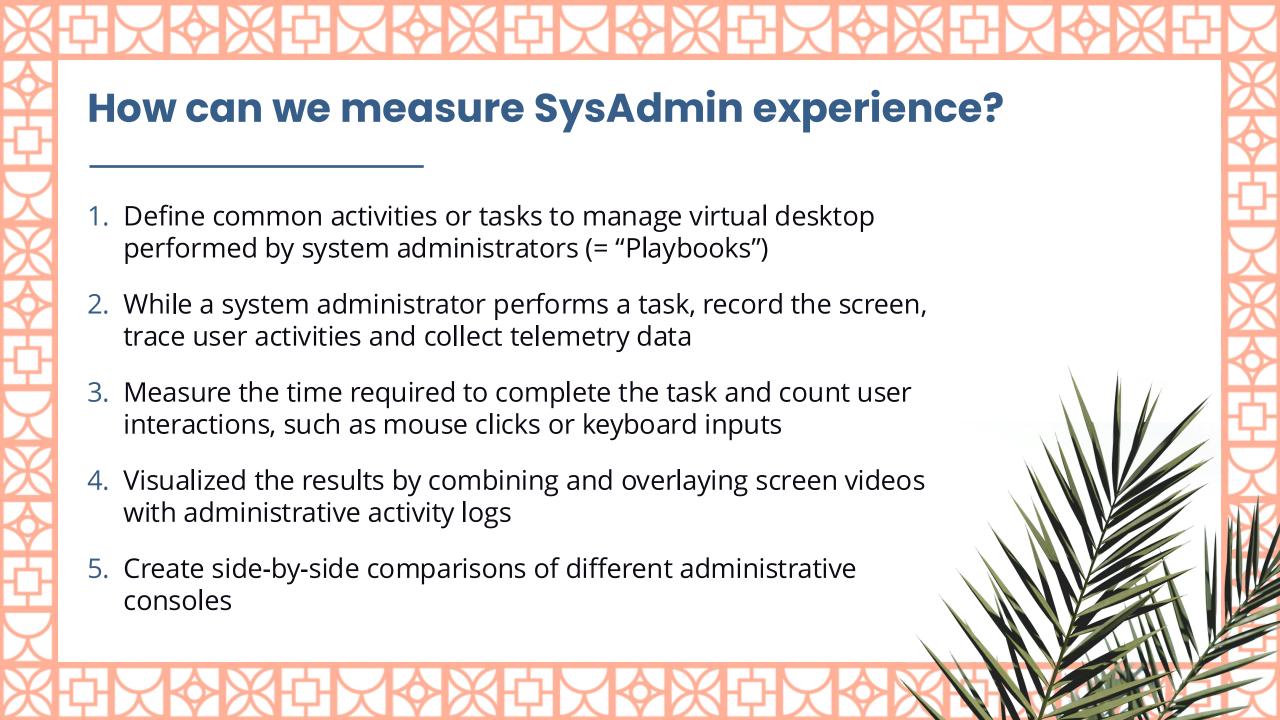
Sync player

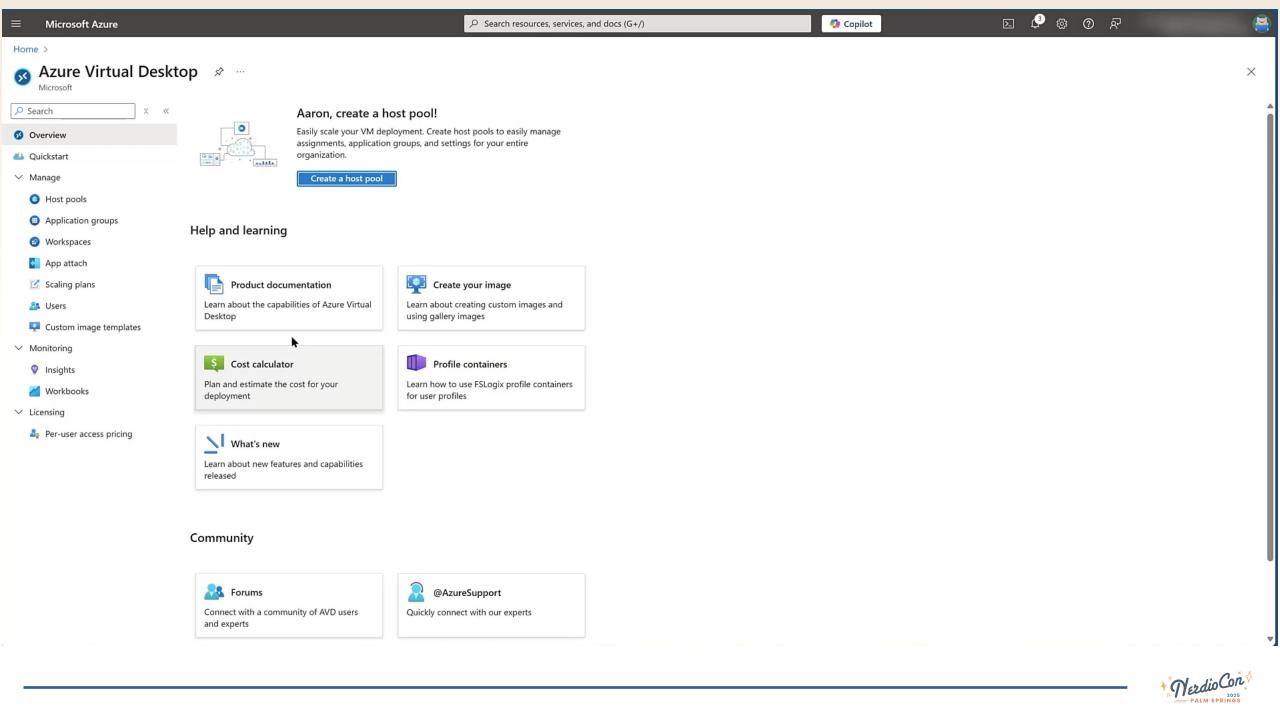


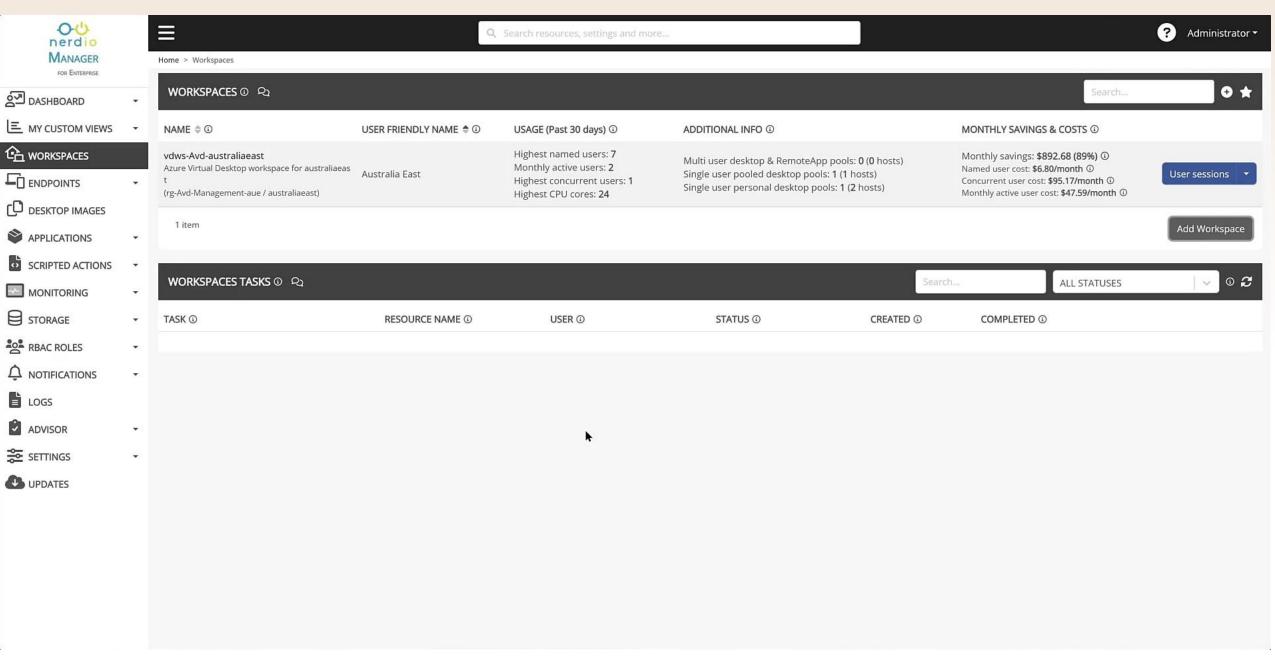
Video Controls

Report

Button



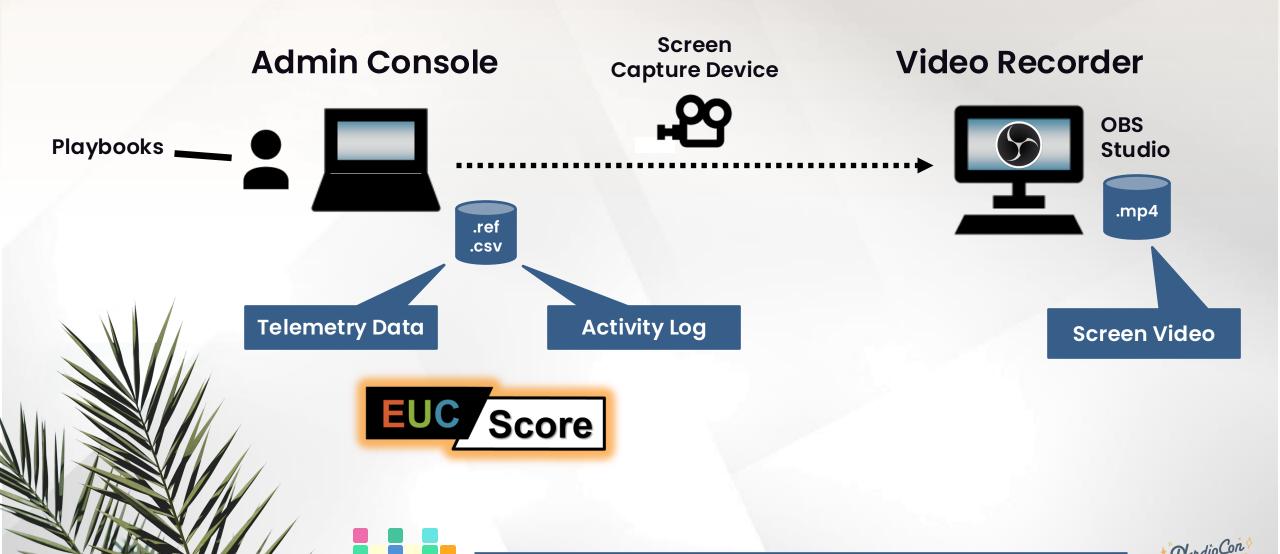


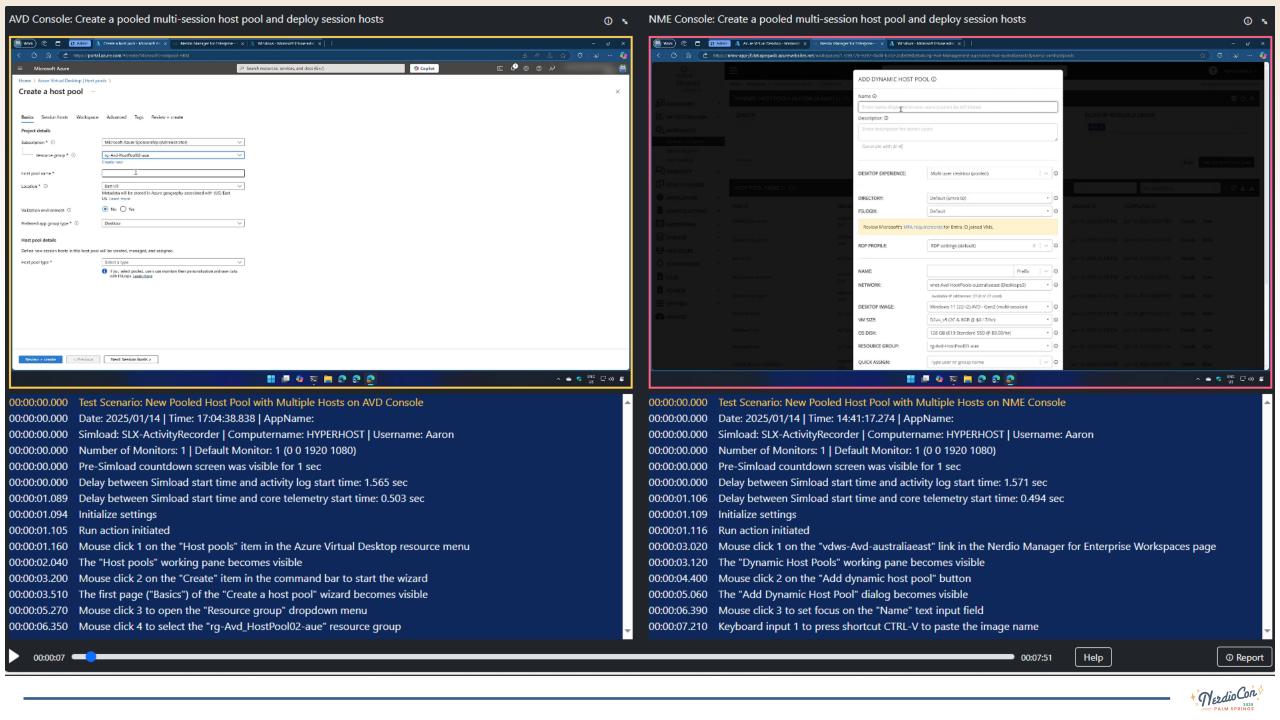




SysAdmin experience (SAX) test lab









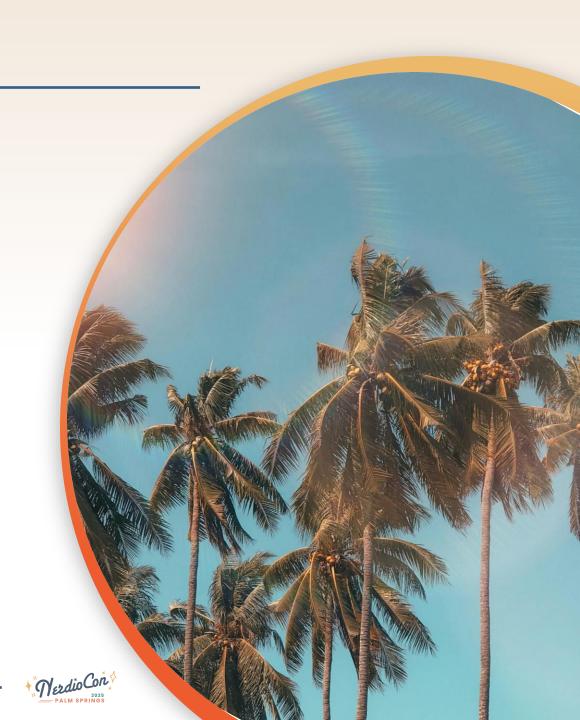
Tasks in focus

- 1. Create a custom image template including customizations and tags
- 2. Select an existing pooled host pool and add multiple session hosts
- 3. Select an existing pooled host pool and remove multiple session hosts in Azure, Intune, and Entra ID
- 4. Create a new pooled host pool and configure auto-scale to dynamically add new multi-session hosts
- 5. Reimage session hosts in a host pool
- 6. Select an existing host pool with multiple session hosts and initiate a change of the VM type for all session hosts
- 7. Delete a custom image template and recreate it with updated settings

More tasks... Add a Scaling Plan Add Session Hosts to a Personal Host Pool Assign Host Pool Create a Premium File Share Create a Workspace New Personal Single Host Pool Schedule Image Set Scaling in a Pooled Host Pool

Challenges

- How do scrolling, searching and clipboard usage contribute to the measurement of user interaction?
- Is a task finished when all configuration entries have been made or only when all resources are available?
- How can one adequately take into account the administrator's experience when using a console?
- How should the use of templates and scripts be included in time measurement?







Measuring AVD and NME Console Efficiency



Individual Test Videos





Comparison and Findings





Side-by-Side Comparisons



Findings —



TASK / SCENARIO	AVD CONSOLE	NME CONSOLE
Add a Custom Image	3:23 (132 3)	1:31 (30 4)
Add Session Hosts to a Pooled Host Pool	2:38 (66 5)	0:52 (10 2)
Delete Session Hosts in a Pooled Multi-Session Host Pool	1:32 (36 1)	0:28 (7 1)
New Pooled Multi-Session Host Pool	7:51 (111 7)	2:55 (43 4)
Reimage Session Hosts in a Host Pool	4:50 ()	0:44 ()
Resize Session Hosts	1:34 (22 0)	1:43 (8 2)
Update Custom Image	5:09 (146 3)	0:37 ()





Risk reduction

- Simplified administration =
 fewer inputs = reduced human
 error
- Safety rails = consistent environment





Final Remarks and Questions 1. Different administrators may require different times to complete a task experience matters 2. Did we select the right tasks? 3. How can we take scripts, policies and templates into consideration? 4. How do we deal with the fact that administrators work less efficiently in an unfamiliar console 5. Can we compare our results to fully automated administrative processes – and how common is automation? 6. What are the correct names of the different user interface elements?

Conclusion The Sys Admin Eyro

- 1. The SysAdmin Experience (SAX) benchmarking method is in its early infancy and still requires some refinements
- 2. The SAX benchmarking results show a clear indication that AVD management from the Nerdio Manager for Enterprise console is more efficient (take the results with a grain of salt)
- 3. The VDI-specific layout and the integration of templates and scripts give the Nerdio Manager for Enterprise console an advantage over the more generic Azure portal

Call to action



If you want to learn more about EUC Score, send me an email

info@eucscore.com



NOTE: The EUC Score toolset is freely available for community benchmarking tests if the results are made available to the public free of charge

EUC SCORE LINKS

- Home Page: <u>https://eucscore.com</u>
- Freeware Download: <u>https://eucscore.com/freeware</u>
- Community Test Results: <u>https://eucscore.com/results</u>
- Toolset Documentation: <u>https://docs.eucscore.com</u>
- Test Methodology: <u>https://eucscore.com/methodology.html</u>
- Simload Gallery: <u>https://eucscore.com/gallery.html</u>
- Terminology (Glossary): <u>https://eucscore.com/terminology.html</u>
- Lab Equipment: https://eucscore.com/equipment.html



Contact Us



Dr. Benny Tritsch
Performance Data Scientist
Creator of the EUC Score Toolset
https://drtritsch.com | https://eucscore.com



