Stratusphere PowerTools App – Test Performed
Application Purpose: Use Stratusphere data to analyze users/machines for thousands of common issues.
Version: 1.0.4
Document Last Updated: 02/19/2025
Support: powertools@liquidware.com

Stratusphere PowerTools App Test: (Red Items are Completed)

1. Stratusphere Agent – Last Report Time – Done
2. Stratusphere Agent – Pending Data Upload – Done
3. Stratusphere Agent – Machine Reporting but no data (WMI…Certificate Issue)
4. Stratusphere Agent Version Check – Updated – v0.9.4
   (1 Version Back is Warning – 2+ Versions Back is Failure)
5. Stratusphere System – Check for days of Detail data
6. Stratusphere System – Check for Collectors Down, DB Out of Space…
7. Machine – Last Boot Date and Time – Done
8. Machine – CPU – Usage % – Done
9. Machine – CPU – Queue – Done
10. Machine – CPU – Temperature – (Last 30 Days) – Done – Updated 0.9.2
    https://www.hwinfo.com/
    https://www.alcpu.com/CoreTemp/
11. Machine – Display – Count, Resolution and GPU Information – Done
12. Machine – Display – GPU Load Order Test
13. Machine – Memory – Usage % – Done
14. Machine – Memory – Non-Page Pool Memory (Potential Memory Leak) – Done 1.0.4
15. Machine – Memory Compression (Potential Memory Leak)
16. Machine – Memory – Page File Usage MB Used – Done
17. Machine – Memory – Page File Management – Done
    Automatic/System Managed/Custom/Off/Location Changes/Size Allocated
18. Machine – Memory – Hard Page Faults
19. Machine – Disk – Response Time (ms Latency) – Done – v0.8.2
20. Machine – Disk – Queue – Done – v0.9.4
21. Machine – Disk IO – Done – v.0.9.4 – Graph Only
22. Machine – Disk – USB Disk Connected
23. Machine – Disk – USB Disk Data Transfer
24. Machine – Disk – Space Used/Free GB – Updated – v0.9.4
25. Machine – Network – Stratusphere Agent – Latency/Jitter (Consistent Latency) – Done
26. Machine – Network – WiFi and Ethernet Active at Same Time – Done v0.9.6
27. Machine – Network – WiFi – SSID Changes – Done – Updated v1.0.2
28. Machine – Network – WiFi – BSSID Changes – Done – Updated v1.0.2
29. Machine – Network – WiFi – Channel/Frequency Changes (2.4/5Ghz) – Done – Updated v1.0.2
30. Machine – Network – WiFi – Signal Strength – Done – Updated v1.0.2
31. Machine – Network – WiFi – Distance from Access Point – Done v1.0.2
32. Machine – Network – WiFi – Encryption Verification List

33. Machine – App – GDI Objects (Looking for GDI Object Leak)
34. Machine – App – CPU/Memory Issues (High CPU-Mem-Dsk..)
35. Machine – App – GPU Utilization (App Level – Hardware Acceleration with No real GPU)
36. Machine – App – Bad Apps – [software_reporter_tool….] – Client Provided List
37. Machine – App – Launch Time
38. Machine – App – ANR
39. Machine – App – Latency (Compared to other Users – ie. Teams… User Enters Process Name)
40. Machine – Security – Firewall On/Updated
41. Machine – Security – AV On/Updated
42. Machine – Security – Drive Encrypted/TPM Module
43. Machine – Security – Windows Updates
44. Machine – Security – User Local Admin Access
45. Machine – Security – Other Local Accounts, Access Level and Last Login
46. User – Login Breakdown – Login Time (>45 Warning / >60 Fail) – Done v0.8.6
47. User – Login Breakdown – DC Discovery (>450ms Warning / > 500ms Fail) – Done v0.8.6
48. User – Login Breakdown – DC Operations
49. User – Login Breakdown – DC Name/IP vs Machine – Information Only – Done v0.8.6
50. User – Login Breakdown – User Group Policy Execution Time
51. User – Login Breakdown – Abnormal Events (>0 Warning / > 5 Fail) – Done v0.8.6
52. vHost – CPU Utilization
53. vHost – CPU Ready
54. vHost – Swapping/Memory Ballooning
55. vHost – Datastore Latency
56. Event Logs – Specific Events (Need to build a list…Client Updatable)
57. VPN – Issues (Would need Client VPN NIC Name) – Looking for IP Changes…
58. VPN – Is Client on VPN (Would need VPN NIC Name to Test)
59. Machine – Number of Users on Machine. (Multi-User)
    a. Machine has a CPU/mem/.. issue when it has more than X users
60. Remote Display Protocol
    a. Latency, Jitter, Packet Loss, Audio Off load, USB Traffic, Compression…
    b. Protocol Client Agent Version Display – Done v.0.9.6 – Update 1.0.4
    c. Protocol Version Check
        i. PCoIP
        ii. Blast
        iii. ICA
        iv. RDP/RFX
61. Corelate Machine Remote Connections – Done – v0.8.4 – Updated – v0.8.6/8
    a. Show Machine Connected to then “Jump” to machine.

62. Machine – Battery Health – (Minimum 5 Days) – Windows OS Laptops – Done v0.8.8
    a. Charge Level – Plugged in Not Charging to >=90% Ever – Warning
    b. Charge Level – Plugged in Not Charging to >=80% Ever – Fail
    c. Charge Level – Plugged in Not Charging to >=90% Over 50% of Time – Warning
    d. Charge Level – Plugged in Not Charging to >=80% Over 50% of Time – Fail
    e. Battery Drain – Not Plugged in Greater than 30% Loss in 1 Hours – Warning
    f. Battery Charging - Plugged in Charging more than 40% in 1 hour – Fail

    Note: Many Windows OS Laptop machines do not charge the battery to 100% to increase battery life. Maximum Charge levels will vary based on the Manufacturer, Model, and age of machine.

63. Machine – Battery Health – (Minimum 5 Days) – MAC OS Laptops – Done v0.8.8
    a. Charge Level – Plugged in Not Charging to >=100% Ever – Warning
    b. Charge Level – Plugged in Not Charging to >=90% Ever – Fail
    c. Charge Level – Plugged in Not Charging to >=100% Over 50% of Time – Warning
    d. Charge Level – Plugged in Not Charging to >=90% Over 50% of Time – Fail
    e. Battery Drain – Not Plugged in Greater than 30% Loss in 1 Hours – Warning
    f. Battery Charging - Plugged in Charging more than 40% in 1 hour – Fail
64. Machine – Check for Pending Reboot