

Document Type:	Tech Brief
Document ID:	TB018
Last Modified Date:	June 8, 2017

Topic:

RDS hardware considerations for use with Windows Servers

Recommendations:

- 2GB Memory (RAM) is the optimum limit for each core of a CPU. E.g. If you have 4 GB RAM then for optimum performance there should be Dual core CPU.
- 2 Dual Core CPU perform better then single Quad core processor.
- Recommended bandwidth for LAN of 30 users and WAN of 20 users. Bandwidth (b) = 100 megabits per second (Mbps) with Latency (l) Less than 5 milliseconds.
- 15 TS session per CPU core is the optimum performance limit of a Terminal Server.
- Network should not have more than 5 hops, and latency should be under 100ms.
- 64 kbps is the Ideal Bandwidth per user session. (256 color, switched network, bitmap caching only)
- CPU performance degrades if %processor time per core is constantly above 65%.
- Terminal servers performance doubles when it is running on a X64 HW and OS.

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Key Words: #RDS #Hardware #Microsoft
Products: Microsoft Windows
Version History: