

IGEL Technology

Comments on Draft 1 Version 5.0 Computer Specification

March 13, 2008

Line 301: Definition of a Thin Client

We have been talking to Cedric Wang from VIA and we agree and support his below definition, that he will also send you.

"Thin Client: A Computer that relies on a connection to a server to obtain primary functionality, programs, and data. Main computing and storage take place using centralized server resources. The client-server architecture offers similar functionalities to desktops. Thin-Clients can take forms of both Desktop Computer or Notebook Computer."

Line 567: Thin Client levels

Our suggestion for the Idle State is "smaller or equal than 25 W" which is 50% of the value of a single core desktop PC.

Explanation: From the calculations and research results of the Fraunhofer Institut UMSICHT, Oberhausen Germany we know that savings compared to a desktop pcs will be approximately 50% including the energy required for server operation and the server cooling. This takes into account three different user types (light/medium/heavy) because the number of users per server differs according to their requirements i.e. applications used. The study revealed an average user per server ratio of 35 allowing good working performance and user experience. This was based on a HP ProLiant DL 360 server with two Intel Xeon 3.4 Ghz processors and 4 GB of RAM. The measured users per server for the three user types are: 50 light users per server, or 35 medium users per server, or 20 heavy users per server.

Line 568: Please also add to the table as shown with the "Derived Server Levels" in line 559 the Capability "Wake On Lan (WOL)" with the same "Additional Power Allowances + 0.7 W for Sleep +0.7 W for Off" as this capability is essential for Thin Client remote manageability

Line 569 following: We support a separate Thin Client evaluation based on Tier 1 operational mode efficiency requirements.

Best regards,

Frank

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