

## **Objectives**

Upon completion of this module, you should be able to:

- Describe how placing the Warehouse Proxy and database on different machines affects roll up rates and storage requirements.
- Identify the hardware requirements for the Warehouse Proxy and database servers.
- Estimate the amount of disk space needed for small, medium, or large IBM Tivoli Monitoring installations.



Sizing Information for Warehouse Proxy

Depending on location of Warehouse Proxy and database server:

- Same machine:
  - Total volume of data uploaded within 24 hours:
    - Maximum 25 GB of data
  - Roll Up Rate:
    - 20 MB of data from a single endpoint in 15 minutes (sustained rate)
- Different machines:
  - Total volume of data uploaded within 24 hours:
    - Maximum 10 GB of data
  - Roll Up Rate:
    - •10 MB of data from a single endpoint in 15 minutes (sustained rate)

## Note from a recent performance test:

Remote DB2® on AIX®: Total volume uploaded within 24 hours: 40 GB of data



More on Sizing and Performance Considerations

Hardware requirements for

• Warehouse Proxy agent server:

- Processors: Minimum four for a large installation

• Database server:

- Processors: Minimum four processors

- Disk Drives: 16 to 24 disk drives for large installation

• Summarization and Pruning agent server:

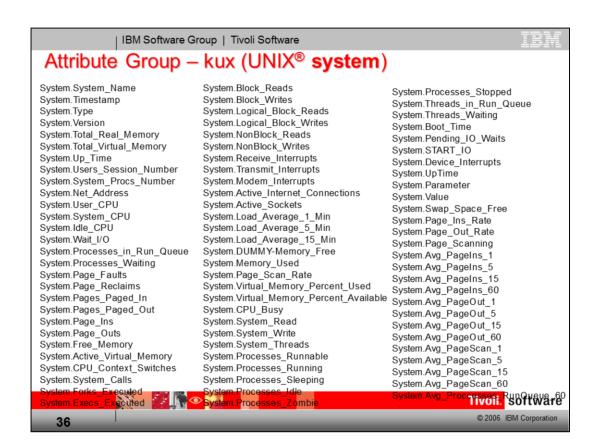
- Processors: Minimum four processors

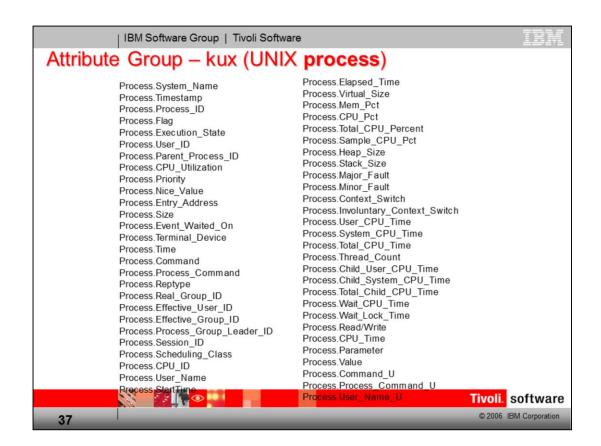
- Memory: minimum four processors

- Memory: minimum 2 GBbytes

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Tivoli. software
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| IBM Software Group | Tivoli Software Sizing parameters Detailed record size: for the Attribute Group (NT\_System =452 bytes) Aggregated record size (NT\_System =1,308 bytes) - The record sizes are in the User Guide of the specific agent. Number of samples per day based on collection interval (5, 15 minutes...) - 288 samples (5 minutes), 96 (for 15 minutes), 48 (for 30 minutes), 24 (for 60 minutes) Number of days to keep the detailed data (30 days) How long summarized data is needed: (Total summarized records=897) - 30 days of hourly data (24\*30=720) 3 months of daily data (365/12\*3=91) 1 year of weekly data (1\*52=52) - 2 years of monthly data (2\*12=24) 2 years of quarterly data (2\*4=8) 2 years of yearly data (2\*1=2) Final number multiplied by 5 to account for database indexes, log space, free space, and other database space Number of agents per server Total server count Tivoli. software © 2006 IBM Corporation 38

