

## **DataNet Quality Systems Knowledgebase**

### **How can I estimate the database storage requirements for WinSPC?**

- 1. To estimate the database storage requirements for your WinSPC database:

Multiply your average subgroup size by 51. (E.g.  $5 \times 51 = 255$ ) Multiply your average percentage of subgroups in violation by 66. (E.g.  $2\% \times 66 = 1.32$ ) Multiply your average number of tag values per subgroup by 17.4. (E.g.  $4 \times 17.4 = 69.6$ ) Add the results from the above three steps together. (E.g.  $255 + 1.32 + 69.6 = 325.92$ ) Add 181.88 to the sum from step 4. (E.g.  $181.88 + 325.92 = 507.80$ ) Multiply the sum from step 5 by the average number of subgroups you collect per day. (E.g.  $507.80 \times 10,000 = 5,078,000$ ) Divide the product from step 6 by 1,000,000. (E.g.  $5,078,000 / 1,000,000 = 5.078$ .)

The answer you get from step 7 is the MB of disk space you can expect to be consumed per day of WinSPC operation.

<https://knowledgebase.winspc.com/questions/139/>