

Write Query Cache Pool

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graph TD; A[Write Query Cache Pool] --> B[Completely hit]; A --> C[Partially hit]; A --> D[Completely miss]; B --> B1[1) Update data in cache pool]; B --> B2[2) Complete IRP]; C --> C1[1) Calculate missing part]; C --> C2[2) pass IRP to next lower device object (for write-through)]; C --> C3[3) Update cache pool]; C --> C4[4) Complete IRP]; D --> D1[1) If it's write-through, pass IRP to next lower device object]; D --> D2[2) Update cache pool]; D --> D3[3) Complete IRP];
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Completely hit

- 1) Update data in cache pool
- 2) Complete IRP

Partially hit

- 1) Calculate missing part
- 2) pass IRP to next lower device object (for write-through)
- 3) Update cache pool
- 4) Complete IRP

Completely miss

- 1) If it's write-through, pass IRP to next lower device object
- 2) Update cache pool
- 3) Complete IRP