

Read Query Cache Pool



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graph TD; A[Read Query Cache Pool] --> B[Completely hit]; A --> C[Partial hit]; A --> D[Completely miss]; B --> B1[1) Copy request data from cache to IRP]; B --> B2[2) Complete IRP]; C --> C1[1) Calculate hit part]; C --> C2[2) Pass IRP to next lower device object]; C --> C3[3) Update cache pool]; C --> C4[4) Copy data from cache pool (for write back)]; C --> C5[5) Complete IRP]; D --> D1[1) 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) Copy request data from cache to IRP
- 2) Complete IRP

Partial hit

- 1) Calculate hit part
- 2) Pass IRP to next lower device object
- 3) Update cache pool
- 4) Copy data from cache pool (for write back)
- 5) Complete IRP

Completely miss

- 1) Pass IRP to next lower device object
- 2) Update cache pool
- 3) Complete IRP