

Query Cache Pool

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graph TD; A[Query Cache Pool] --> B[Completely hit]; A --> C[Partially hit]; A --> D[Completely miss]; B --> B1[1. Copy request data from cache to IRP]; B --> B2[2. Complete IRP]; C --> C1[1. Caculate the hit part]; C --> C2[2. Pass the IRP to next-lower device]; C --> C3[3. Update Cache]; C --> C4[4. Copy data & Complete IRP]; D --> D1[1. Pass the IRP to next-lower device]; D --> D2[2. Update Cache]; D --> D3[3. Copy data & Complete Irp];
```

Completely hit

- 1. Copy request data from cache to IRP**
- 2. Complete IRP**

Partially hit

- 1. Caculate the hit part**
- 2. Pass the IRP to next-lower device**
- 3. Update Cache**
- 4. Copy data & Complete IRP**

Completely miss

- 1. Pass the IRP to next-lower device**
- 2. Update Cache**
- 3. Copy data & Complete Irp**