

80%

90%

30 APH

90%

50 APH

80 APH

80%

80%

75%

75%

100 APH

* For the Customer table, there are about 100 direct accesses per hour.
  + 75% of Reservation accesses reach Customer
  + 90% of Customer accesses reach Reservation
* For the Reservation table, there are about 80 direct accesses per hour.
  + 80% of Room accesses reach Reservation
  + Also, 80% of Reservation accesses reach Room
* For the Room table, there are roughly 50 accesses per hour.
  + 90% of Room accesses reach Type
  + 80% of Type accesses reach Room
* For the Type table, there are roughly 30 accesses per hour.

**Relational Model Analysis**

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| --- | --- | --- | --- |
| Table | Direct APH | Indirect APH | Total APH |
| Customer | 100 | (80\*.75)+(50\*.8\*.75) | 90 |
| Reservation | 80 | (100\*.9)+(50\*.8) | 130 |
| Room | 50 | (80\*.8)+(100\*.9\*.8) | 136 |
| Type | 30 | (50\*.9)+(80\*.8\*.9) | 103 |