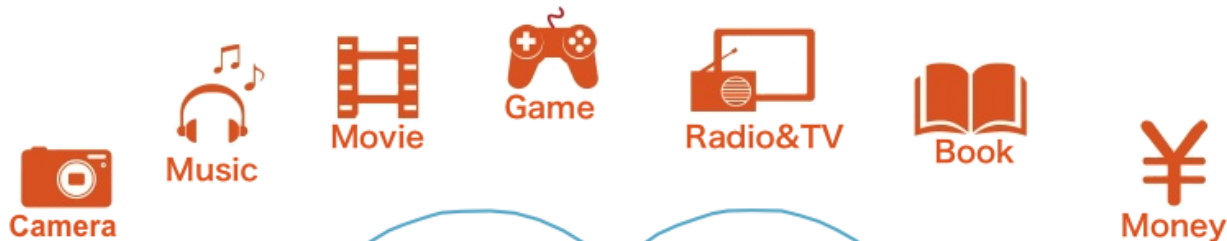


“IPDB” Project

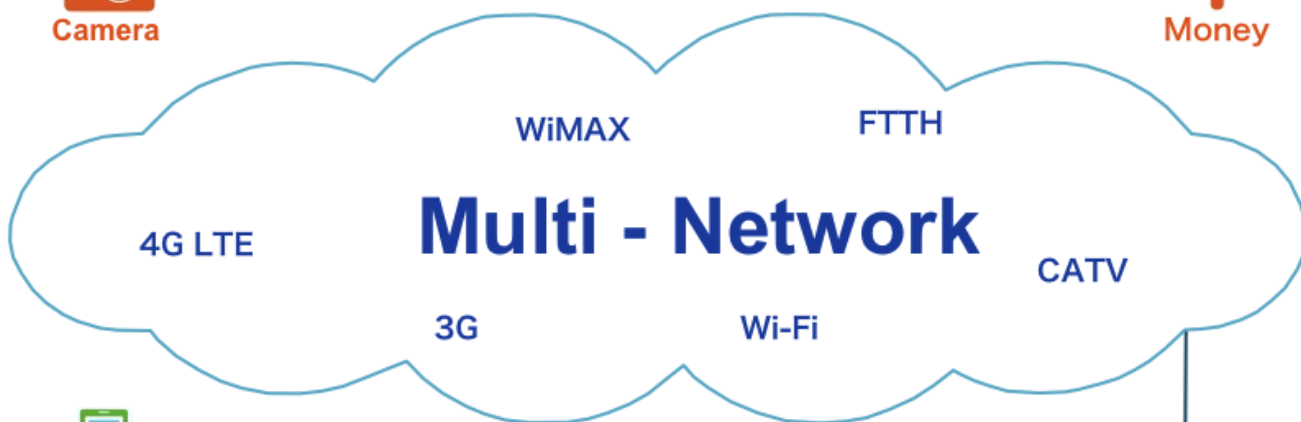
real-time session/user management system
for KDDI mobile service

Hiromitsu Fujikawa
Mobile Engineering Manager, KDDI

Multi - Use



**diverse services
and contents**



**seamless access
and
optimized network**



any device of choice

Multi - Device

- In the year ended March 31, 2012, KDDI addressed the priority issue of recovering au momentum and enhancing our shift toward smartphones.



G'zOne IS11CA by CASIO



MOTOROLA RAZR™ IS12M



INFOBAR C01 by iida



URBANO PROGRESSO by KYOCERA



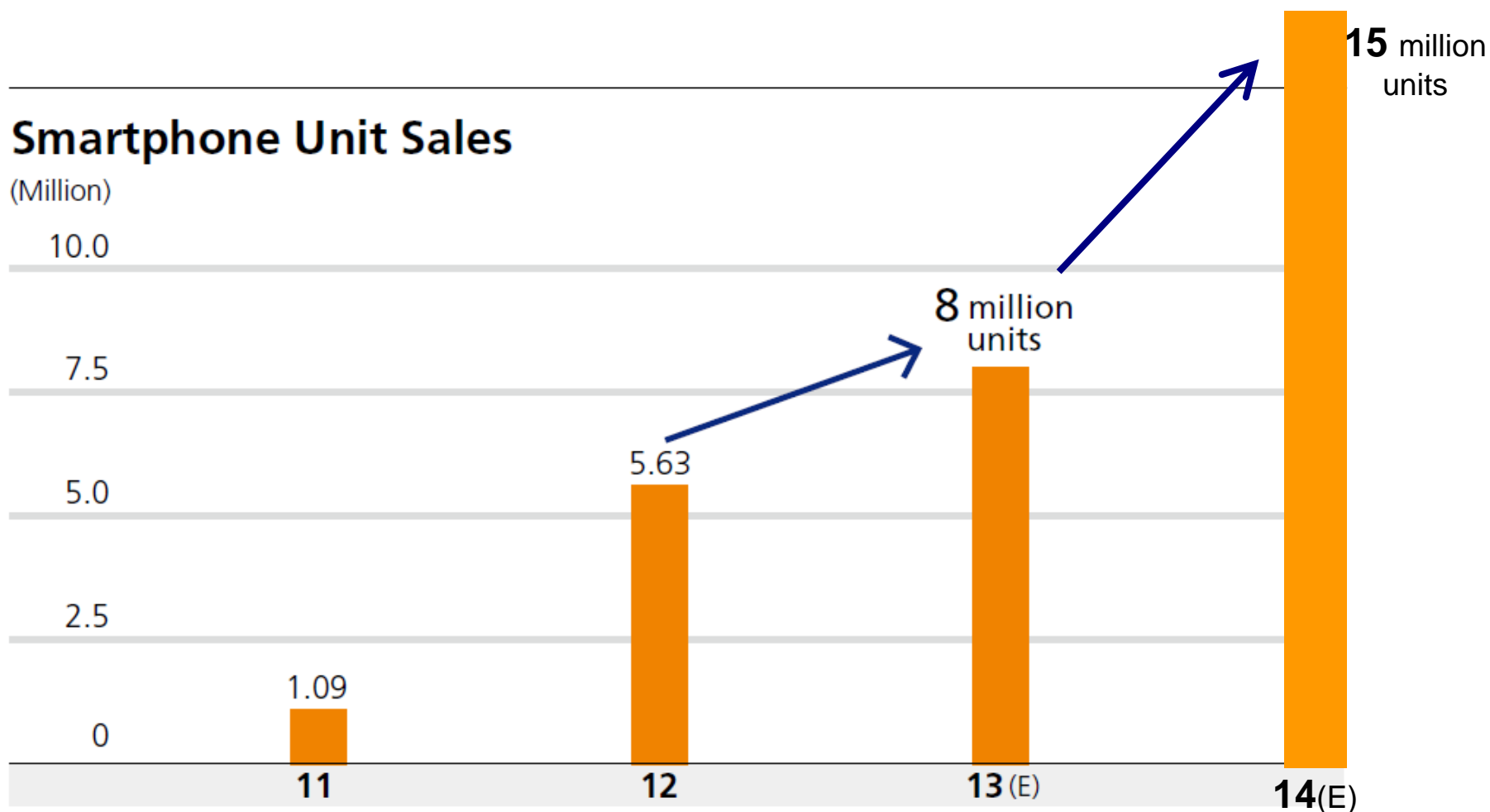
Windows® Phone IS12T by TOSHIBA



HTC J ISW13HT

Unit sales of smartphones

- Unit sales of smartphones in the year ended March 31, 2012, surged by 4.54 million units, to 5.63 million units. Furthermore, we forecast smartphone sales of 8 million units for the year ending March 31, 2013.



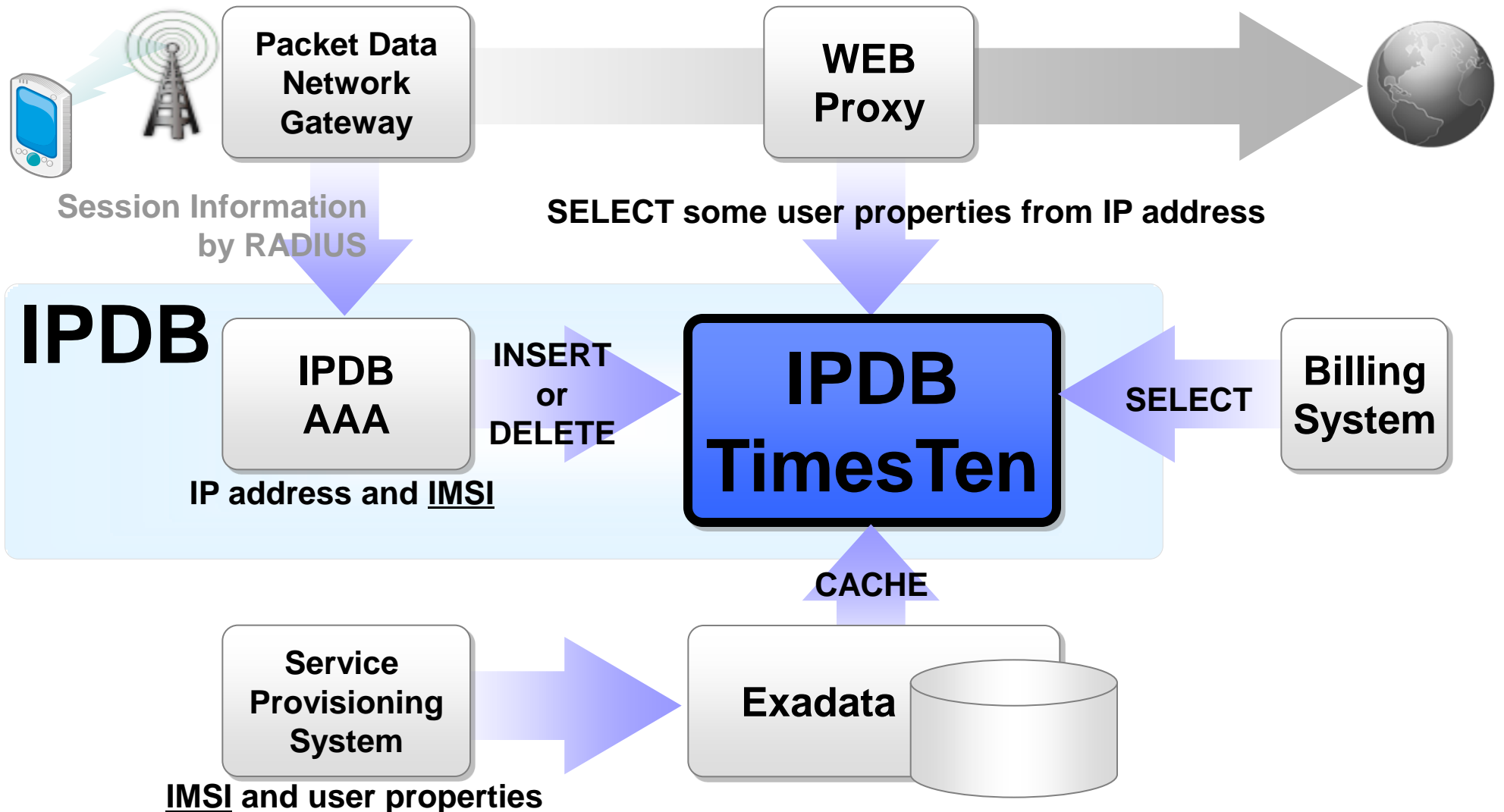
Multi-Use:
Need user profile

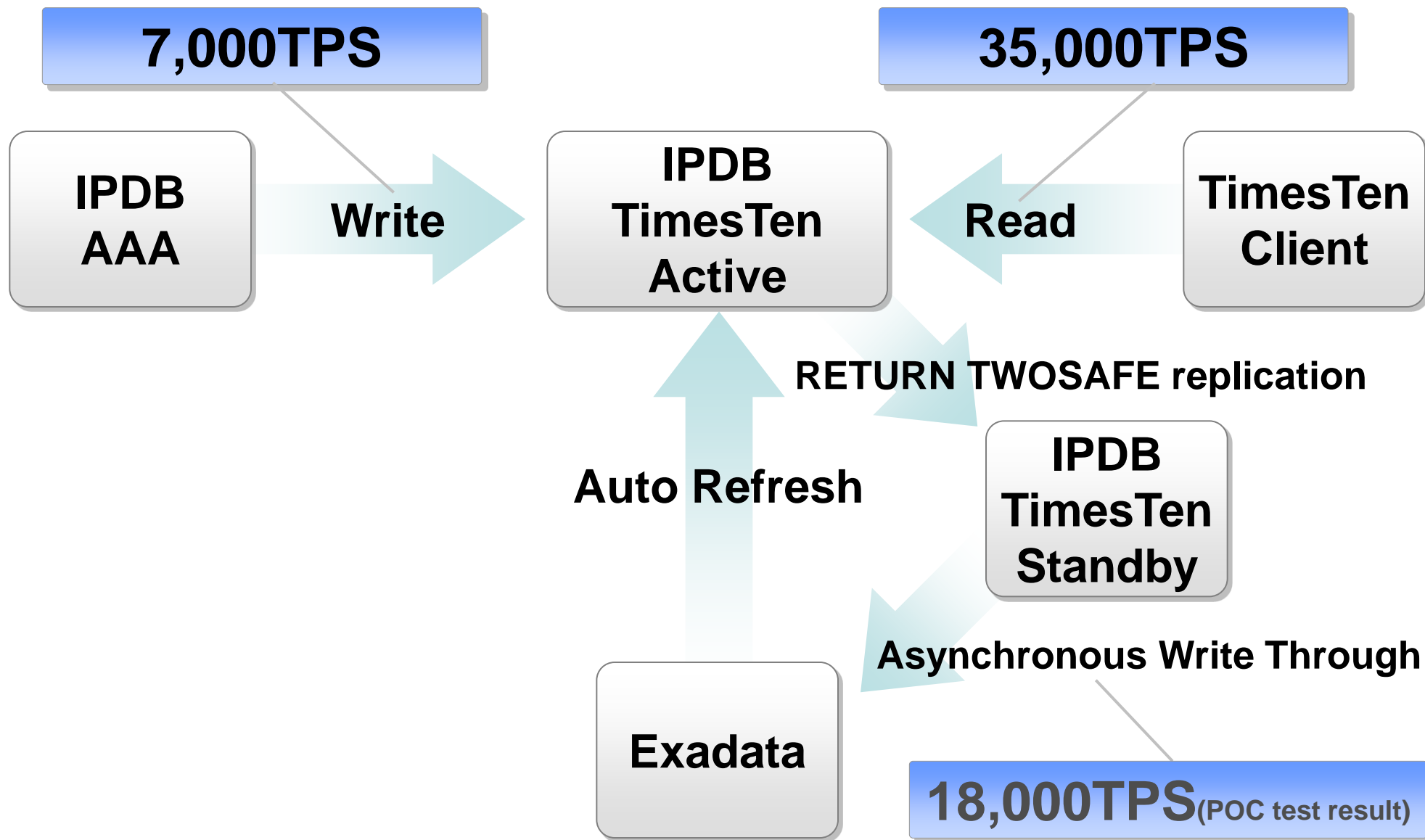
Multi-Network:
IP address is
dynamically
assigned

Multi-Device:
Independent of
terminal
specifications



**We have to identify the user profile by
assigned IP address in real-time.**





| | Requirements | Results/Solutions |
|------------------------------|---|---|
| ✓ Consistent Latency | Less than 10msec | Less than 1msec (Average) |
| ✓ Write Transaction | 4,500 TPS | 7,000 TPS |
| ✓ Read Transaction | 10,000 TPS | 35,000 TPS |
| ✓ Reliability | Active-Standby Synchronous replication | Active Standby Pair RETURN TWOSAFE replication |
| ✓ Active Session | 10 million session | depends on physical memory size |
| ✓ User properties cache size | 50 million user | depends on physical memory size |
| ✓ Storing data | Store Session Information to Exadata | Asynchronous Write Through |

Designing The Future

KDDI