Watchdog System Roles

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| **App** | **Role** | **Comments** | **Server** |
| WDNetChecker | * Access any device/service over IP * Daily, hourly, 30 min, 5 min, 1 min batch * Able to provide retry logic * Limited Speech, Text output to house * Thermostat queue manager * Vent manager * RGB Lamp manager * Stair light manager * Lizard habitat sensor reader * Great Room Temp reader * Brine tank level reader * Internet Connection checker * Severe weather checker | Never use for hard-wire dependency | Watchdog1 |
| WDUpdateHouse | * Primary interface to IO devices * Primary Speech, Text output to house * Motion sensor checker * Telephone checker * Doorbell checker * Future: Roomba interface? (Bluetooth) | Hard wired to 2 USB IO devices  Hard wired to Xbee | Watchdog1 |
| WDUpdateTemp | * Primary interface to Temp device | Hard wired to 1 USB Temp device | Watchdog1 |
| SARAH-HALL | * Dedicated speech input/output * Voice front-end to house functions | Hard wired to Arduino, mic and speakers | SARAH-Hall |
| SARAH-FD | * Dedicated speech output for front door * Future: speech input | Hard wired to speakers | Watchdog2 |
| WDCallForward | * Dedicated interface to modem | Hard wired to modem | Watchdog2 |
| WDSummaryReport | * Create summary data * Primary email summary output |  | Watchdog2 |
| WDIrrigationControl | * Primary interface to Valve control * Primary interface to water valve * Valve control queue manager | Hard wired to Arduino | Watchdog2 |
| WDCarProximity | * Primary interface to Xbee | Hard wired to Xbee | SARAH-MBR |
| SARAH-MBR | * Dedicated speech input/output * Voice front-end to house functions | Hard wired to mic & speakers | SARAH-MBR |
| WDInsteonControl | * Dedicated interface to Insteon input/output | Hard wired to Insteon Controller | SARAH-MBR |
| Web Services |  | IIS configured  Faster access to DB | Watchdog1 |
| Database Services |  | Central database | Watchdog1 |
| DB Reporting Services |  | Faster access to DB | Watchdog1 |