

# Servers

## Raspberry Pi 2 Basement (105) :

### Specifications:

- CPU: Broadcom BCM2836, 900MHz, 4 cores - (239)
- Memory: 1 Gbytes
- SD Card: 32 Gbytes
- OS: Raspbian (jessie)
- Web Server: Nginx

### Relay Module:

- Alarm, Enviromental (3), Temperature, Garage Doors(2), Water Valve

### Moisture Sensors:

- Flood Detectors (furnace & laundry), outside (lawn & garden)

### MQ Gas Sensors:

- Furnace CO (mq-7) & Smoke Dectors (mq-2)

### Magnetic Sensors:

- Back Door, Basement Windows (3), Front Door & Garage Doors(2)

### Motion Sensors:

- Basement, Foyer, Garage & Kitchen Zone

#### Temperatue & Humidity:

- Family Room & Basement

#### USB Ports:

- Hard drive (Music), Flash Stick (Media)

#### Cron: python/cron-start.py

```
*/* * * * * sudo python /var/www/html/python/cron-cameras.py
```

```
0 */2 * * * * sudo python /var/www/html/python/cron-garage.py
```

every minute python/cron-cameras.py

IoT/ftp-cameras.php (update 12 times with 5 secs. delay – check entry cameras for activity and update last active, ~ every 5 secs. )

IoT/ftp-cron.php (update once every minute – update last cron update date)

every 2 hours python/cron-garage.py

IoT/ftp-garage.php (if enable and last datetime is greater that delta seconds – automatic close door.)

## Raspberry Pi3 Basement (106) :

### Specifications:

- CPU: Broadcom BCM2837, 1.2GHz, 4 cores - (300)
- Memory: 1 Gbytes
- SD Card: 32 Gbytes
- OS: Raspbian (jessie)
- Web Server: Nginx

### RF Receiver/Transmitter:

- Lights Switches & Other Switches (22)

### Relay Module:

- USB Hard Drives (6), Temperature, Lights (9)

### Motion Sensors:

- Back Yard, Laundry & Living Room

### Temperature & Humidity:

- Laundry & Living Room

### USB Ports:

- Hard Drive (5 – movies and tv shows), Flash Stick (ftp camera server), basement entry camera

### Cron: python/cron-start.py

```
0 */1 * * * sudo python /var/www/html/python/cron-temps.py
```

```
* /1 * * * * sudo python /var/www/html/python/cron-security.py
```

```
* /1 * * * * sudo python /var/www/html/python/cams-last.py
```

```
* /30 * * * * sudo python /var/www/html/python/cron-alerts.py
```

```
0 6 * * * sudo python /var/www/html/python/cron-day.py
```

```
0 23 * * * sudo python /var/www/html/python/cron-night.py
```

every hour python/cron-temps.py

IoT/ftp-temps.php (update temp.db - Family Room, Basement, Living Room, Laundry, Upstairs Hallway, Master Bedroom, , Garage, , Foyer,  
and Outside temperature and humidity. CPU and GPU temperature.)

IoT/ftp-uptime.php (update uptime for all servers.)

every minute python/cron-security.py

IoT/ftp-security.php (update status 20 times all security sensors – every 3 secs.)

IoT/ftp-doorbell.php (update 20 times doorbell.db – every 3 secs.)

IoT/ftp-cron.php (update once every minute – update last cron update date)

every minute python/cams-last.py

IoT/enable/cams-last0.php (update last activated and on/off status for each camera – every minute.)

every 30 minutes python/cron-alerts.py

IoT/ftp-alerts.php (update emergency alert status – every 30 minutes.)

at 6:00am python/cron-day.py

IoT/enable/enable-set.php?prog=day (update security status to "Day",.)

at 11:00pm python/cron-night.py

IoT/enable/enable-set.php?prog=night (update security status to "Night",.)

## Raspberry Pi 3 Garage (107) :

### Specifications:

- CPU: Broadcom BCM2837, 1.2GHz, 4 cores - (300)
- Memory: 1 Gbytes
- SD Card: 32 Gbytes
- OS: Raspbian (jessie)
- Web Server: Nginx

### MySQL Database Server:

- phpMyAdmin

### Relay Module:

- Lights(2), Temperature, Big Alarm

### MQ Gas Sensors:

- Garage Hazardous Gas Dector (mq-3)

### Temperatue & Humidity:

- Garage & Foyer

### Cron: python/cron-start.py

```
1 * * * * sudo python /var/www/html/python/cron-lights.py
```

```
0 1 * * * sudo python /var/www/html/python/cron-dbcameras.py
```

every minute python/cron-lights.py

IoT/ftp-lights.php (update 10 times with 3 secs. delay – check lights turn on/off , ~ every 6 secs. )

IoT/ftp-uptimeg.php (update uptime for Raspberry Pi 3u every minute)

IoT/ftp-doors.php (update once every minute – update door status)

IoT/ftp-lawn.php (update once every minute – update lawn watering status)

IoT/ftp-cron.php (update once every minute – update last cron update date)

at 1:00am python/cron-dbcameras.py

<http://192.168.1.106/IoT/cam-upd/{camera}-up.php> (update each FTP/cams/ to cameras.db – previous day.)

## Raspberry Pi 2 Upstairs (108) :

### Specifications:

- CPU: Broadcom BCM2836, 900MHz, 4 cores - (239)
- Memory: 1 Gbytes
- SD Card: 32 Gbytes
- OS: Raspbian (jessie)
- Web Server: Nginx

### Relay Module:

- Temperature

### MQ Gas Sensors:

- Upstairs CO (mq-7) , Smoke (mq-2) & Air Quality Dectors (mq-135)

### Magnetic Sensors:

- Back Door, Basement Windows (3), Front Door & Garage Doors(2)

### Motion Sensors:

- Master Bedroom & Upstairs Hallway

### Temperatue & Humidity:

- Master Bedroom & Upstairs Hallway

USB Port:

- Upstairs Hallway Camera

Cron: python/cron-start.py

```
0 */1 * * * sudo python /var/www/html/python/cron-starts.py
```

every hour (at 10 minutes) python/cron-starts.py

IoT/ftp-uptime0.php (update old uptime every hour) -need to delete

IoT/ftp-uptime.php (update uptime for each server every hour)

IoT/ftp-cron.php (update once every hour – update last cron update date)



## Acer ContaCam Basement (47) :

### Specifications:

- Acer Laptop Aspire V5-571-6605
- CPU: Intel Core i3-2367M @ 1.40GHz - (832)
- Memory: 6 Gbytes
- Hard Drive: 500 Gbytes
- OS: Windows 10
- Web Server: ContaCam (php)

### Cameras:

- Basement Hallway: Iseries (96)
- Basement Screen: laptop usb internal
- Basement Theatre: Iseries (111)
- Breakfast Area: rca tablet (182)
- Foyer: sriam (64)
- Front Door: dlink dcs-932l (103)
- Upstairs: acer tablet (181)

## Acer ContaCam Library (45) :

### Specifications:

- Acer Laptop Aspire 5732Z-443G25Mn
- CPU: Intel T4400 @ 2.2GHz - (763)
- Memory: 4 Gbytes
- Hard Drive: 300 Gbytes
- OS: Windows 7
- Web Server: ContaCam (php)

### Cameras:

- Back Yard: dlink dcs-930l (104)
- Garage: dlink dcs-5020l (6)
- Library: laptop usb internal
- Living Room: usb hp module

## Dell ContaCam Laundry (43) :

### Specifications:

- Dell Laptop Latitude D620
- CPU: Intel T4400 @ 2.2GHz - (763)
- Memory: 4 Gbytes
- Hard Drive: 160 Gbytes
- OS: Windows 7
- Web Server: ContaCam (php)

### Cameras:

- Family Room: dlink dcs-933I (102)
- Laundry: laptop usb internal
- Stairs: dlink dcs-5020I (5) wifi
- Walkway (Carlos): dlink dcs-930I (101)
- Walkway (Martin): usb hp module

## Upstairs Media Server (12):

### Specifications:

- Lenovo Laptop IdeaPad 1
- CPU: AMD athlon silver 3.2Gh - ( 3200)
- Memory: 4 Gbytes
- Hard Drive: 120Gbytes ssd, 32Gbytes fd
- IP: 11
- OS: Windows 11
- Web Server: IIS 11
- Music, Videos, Movies (Multimedia)

## Other Cameras :

### Cameras:

- Front Driveway: dlink dcs-8000Ih (dhcp 9)
- Front Porch: Xiaomi Xiaofang (dhcp)
- Basement Entry: linux (106)
- Upstairs Hallway: linux (108)

## Upstairs Media Server:

### Specifications:

-Lenovo Laptop IdeaPad 1

- CPU: AMD athlon silver 3.2Gh - (3200)
- Memory: 4 Gbytes
- Hard Drive: 120Gbytes ssd, 32Gbytes fd
- IP: 11
- OS: Windows 11
- Web Server: IIS 11
- Music, Videos, Movies (Multimedia)

## MB Server:

### Specifications:

- CPU: Intel i5 3470, 3.2GHz - (4668)
- Memory: 12 Gbytes
- Hard Drive: 480Gbytes ssd, 2Tbytes
- IP: 10
- OS: Windows 10
- Web Server: IIS 10
  - Music, Photos, Videos, TV, Movies

## Library Server:

### Specifications:

- CPU: AMD Phenom II X6 1075T, 3GHz - (3284)
- Memory: 8 Gbytes
- Hard Drive: 240Gbytes ssd, 240Gbytes
- IP: 20
- OS: Windows 10
- Web Server: IIS 10
  - Books, Manuals, Paintings, Photos, Videos, Recipes, Dbase

## Home Theatre Server:

### Specifications:

- CPU: AMD A6 3500, 2,1GHz - (1390)
- Memory: 4Gbytes
- Hard Drive: 120Gbytes ssd, 240Gbytes
- IP: 18
- OS: Windows 10
- Web Server: IIS 10
  - Movies, Videos, Music

## Windows 8 Server (Home Theatre):

### Specifications:

- CPU: AMD Athlon 3400+ x 2, 2.2GHz - (531)
- Memory: 3 Gbytes
- Hard Drive: 80Gbytes, 200Gbytes
- IP: 8
- OS: Windows 8
- Web Server: IIS 8
- Sports

## Media Server:

### Specifications:

- CPU: AMD Athlon 3500+, 2.2GHz - (396)
- Memory: 1.5Gbytes
- Hard Drive: 160Gbytes sats, 200Gbytes x 2
- IP: 22/21
- OS: Windows 7
- Web Server: IIS 7
- Music, Videos, Mult-media

## Windows 10 Server (Living Room):

### Specifications:

- CPU: AMD Athlon 2800+, 1.8GHz - (295)
- Memory: 1.5Gbytes
- Hard Drive: 40Gbytes, 80Gbytes
- IP: 10
- OS: Windows 10
- Web Server: IIS 10
- Sports

## Windows 7 Server:

### Specifications:

- CPU: AMD Athlon 1500+, 1.33GHz - (294)
- Memory: 1Gbytes
- Hard Drive: 40Gbytes
- IP: 7
- OS: Windows 7
- Web Server: IIS 7
- Games, Dbase, YY

## Kitchen Server:

### Specifications:

- Toshiba Laptop
  - CPU: Intel Pentium 4, 1.6GHz - (280)
  - Memory: 512Mbytes
  - Hard Drive: 30Gbytes
  - IP: 16
  - OS: Windows 7
  - Web Server: IIS 7
    - Recipes, Cooking, Videos, Books

## Photo Server:

### Specifications:

- CPU: Intel Pentium 4, 2.8GHz - (236)
- Memory: 2Gbytes
- Hard Drive: 80Gbytes sata
- IP: 17
- OS: Windows 7
- Web Server: IIS 7
  - Photos



## Music Server:

### Specifications:

- CPU: Pentium 4, 2.66GHz- (157)
- Memory: 2 Gbytes
- Hard Drive: 40Gbytes, 160Gbytes x 2, 80Gbytes
- IP: 25
- OS: Windows XP SP2
- Web Server: IIS 5.1
  - Music, Videos

## Gym Server:

### Specifications:

- CPU: Intel Celeron, 2.7GHz - (157)
- Memory: 760Mbytes
- Hard Drive: 30Gbytes
- IP: 14
- OS: Windows XP SP2
- Web Server: IIS 5.1
  - Workout, Sport, Videos

## Work Room Server:

### Specifications:

- CPU: Intel Pentium 4, 1.6GHz - (139)
- Memory: 512Mbytes
- Hard Drive: 30Gbytes
- IP: 16
- OS: Windows XP SP2
- Web Server: IIS 5.1
  - Workout, Sport, Videos

## Windows XP Server:

### Specifications:

- CPU: Intel Pentium 3, 666MHz - (114)
- Memory: 256Mbytes
- Hard Drive: 10Gbytess
- IP: 52
- OS: Windows XP
- Web Server: IIS 5.1
  - Comedy, Jokes, Videos

## Comedy Server:

### Specifications:

- CPU: Intel Celeron, 566MHz - (37)
- Memory: 256Mbytes
- Hard Drive: 30Gbytes
- IP: 58
- OS: Windows XP SP2
- Web Server: IIS 5.2
  - Comedy, Videos, Jokes

## Windows 2000 Server:

### Specifications:

- CPU: AMD Athlon K-6, 350MHz - (26)
- Memory: 256Mbytes
- Hard Drive: 16Gbytes, 6Gbytes
- IP: 34
- OS: Windows 2000
- Web Server: IIS 5.0
  - Menu

## Windows NT Server:

### Specifications:

- CPU: Cyrix 686, 233MHz - (28)
- Memory: 168Mbytes
- Hard Drive: 520Mbytes, 2Gbytes
- IP: 36
- OS: Windows NT4
- Web Server: IIS 2.0
  - Menu

## Windows 98 Server:

### Specifications:

- CPU: Intel Pentium 2, 350MHz - (<20)
- Memory: 192Mbytes
- Hard Drive: 6Gbytes
- IP: 38
- OS: Windows 98
- Web Server: PWS 4.0
  - Photos

## Windows 95 Server:

### Specifications:

- CPU: Intel Pentium, 200MHz MMX - (<20)
- Memory: 80Mbytes
- Hard Drive: 150Mbytes, 1.5Gbytes
- IP: 95
- OS: Windows 95
- Web Server: PWS 4.0
  - Security, YY

## Apache Server :

### Specifications:

- CPU: Pentium, 262MHz, MMX – (<20)
- Memory: 64Mbytes
- HD Drive: 4Gbytes, 2.5Gbytes
- IP: 28
- OS: Windows 98
- Web Server: Apache 1.3.27
- Menu

## Wamp Server :

### Specifications:

- CPU: Celeron, 333MHz, MMX – (22)
- Memory: 360Mbytes
- HD Drive: 4Gbytes, 8Gbytes
- IP: 30
- OS: Windows XP
- Web Server: Wamp
- Dbase

## XWamp Server :

### Specifications:

- CPU: Celeron, 333MHz, MMX – (22)
- Memory: 256Mbytes
- HD Drive: 4Gbytes, 4Gbytes
- IP: 32
- OS: Windows XP
- Web Server: Xwamp
- Dbase

## Lamp Server :

### Specifications:

- CPU: Pentium, 2.8GHz – (331)
- Memory: 512Mbytes
- HD Drive: 20Gbytess
- IP: 223 dns (ubuntu0)
- OS: Ubuntu 12.04
- Web Server: Lamp
- Desktop

## Ubuntu 14.04 Server :

### Specifications:

- CPU: Pentium, 2.8GHz – (307)
- Memory: 1Gbytes
- HD Drive: 80Gbytes sata
- IP: 113 (yy-ubuntu)
- OS: Ubuntu 14.04
- Web Server: Lamp (samba,ssh)
- Music Videos, YY

## Ubuntu 12.04 Server :

### Specifications:

- CPU: AMD atholon xp, 1.1GHz – (250)
- Memory: 768Mbytes
- HD Drive: 80Gbytes
- IP: 172 dns (ubuntu)
- OS: Ubuntu 12.04
- Web Server: Lamp (samba,ssh)
- Sports



## Netware Server :

### Specifications:

- CPU: Pentium, 225MHz MMX – (<20)
- Memory: 64Mbytes
- HD Drive: 6Gbytes
- IP: 26
- OS: Netware 5
- Web Server: Netscape
- test