**5.227 version**

**Features:**

1.Health monitoring:

* Total devices is 0
* Group configuration check(group name-demo,location id for that should be greater than 1)
* Motion sensor report sends only temperature differs 1 degree or some other changes is detected
* Color temperature is included in light sensor status reporting
* Router start
* Router came back to online

2.Intrusion

* Camera related api
* Api to send the data to eventhub(PUT request - /eventhub)

3.Reconfigure lights

* If color of the lights were differ from the state color,server will trigger the change.
* If color of the lights differ because of intrusion,server won't trigger change.But intrusion detection is more than 15 minutes,it will trigger

**Bug fixes:**

1.Health Monitoring:

* Admin log pin details updation issue fixed

**5.228**

**Bug fixes:**

1.Mqtt message count:

* Alert for unnamed sensors sends repeatedly and raises message count issue was fixed

**Modification:**

1.Timer:

* Sensor timer is modified from 30 seconds to 60 seconds(1 minute) for reducing the message count

2.Mqtt qos:

* Qos for sensor status's reported properties is changed from 1 to 0
* Qos for connection\_type of pod is changed from 1 to 0

**5.229**

**Feature:**

1.Health Monitor:

Perform ping for every reserved ip address at every 30 minutes.

2.Internal App:

1.To read pod id:

GET- /pod/id request is implemented to read physical pod id

**5.230**

**Bug Fixes:**

1.Event message:

Sometimes alert message sends repeatedly within 1 minute issue was fixed

**Feature:**

1.Event message:

* Host name is included in alert message of ping request failed.
* Intursion alert message is published

**5.231**

**Bug Fixes:**

1.Event message:

Sometimes alert sends after immediate status message gone from the sensor issue was fixed.

**Feature:**

1.Event message:

Sensor UTC time and current UTC time is added into sensor alert message

**5.232**

**Bug Fixes**

1.Internal Ipad:

It uses /pod/LightDoorstate api from router to get light and door status.This api returns inconsistent data for light when any one of the sensor is offline.That was fixed.

2.Event message:

* Motion sensor report sends only temperature differs 1 degree or batterylevel differs 5 or some other changes is detected

**5.233**

**Bug Fixes**

1.Sensor status publish:

Int literal exception raised in sensor status publish was fixed

**Feature**

1.If any one of the sensor deleted from the iot gateway while running the server,then that sensor will be deleted from the cloud

**5.234**

**Bug Fixes**

1.Trigger light color:

Light change color is trigged when the color of the light is differ from pod state color.This trigger happened to all the light sensors even it is unactive(rxtime = 0 ).So,it went to infinte loop.That issue was fixed.

**Debug**

1.Reservation login:

Exception is added to log if exception raises.

**5.235**

**Bug Fixes**

1.Event Message:

* Motion sensor report sends only temperature differs 2 degree or batterylevel differs 5 or some other changes is detected

**5.236**

**Feature:**

1.Logging:

Log messages structured as type,deviceType,name,message

**5.237**

**5.238**

**Modified**

1.Logging:

Some message field in log is not in json format thatalso changed to json format

2.Event Message:

" Zenspace back to online" event sent after 5 minutes from the previous to avoid more messages  
  
**5.239**

**Feature:**

1.Intruder:

Enable/disable feature for intruder alert is implemented.

**Modified:**

1.pod state get request:

Intruder state is added into /pod/state request for camera app to decide about capturing photo.

2.Event message:

1.Admin Login and Reservation Login:

If iot gateway is not reachable,router send response as 500.This event is published as critical event.

If door\_lock sensor is not encountered due to either iot gateway is not reachable or door\_lock is not commisioned,then router sends response as 412.This event is published as critical event.

3.Polling:

Health monitor starts after 30 minutes from startup.

Sensor status monitor start after 1 minute from startup.

**Bug Fixes:**

1.Pod back to online:

Router get the latest configuration from cloud and update it.But lock state is not updated.That issue was fixed.

After applying latest configuration from cloud,router is not publishing the information back to cloud.But it leads incorrect information in zazi.So that issue was fixed by publishing.

2.Mqtt:

Mqtt is disconnected when deleting unwanted sensor(sensor is deleted in iotgateway) from cloud issue was fixed.

3.Event message:

In sensor offline alert "datetime" exception raised,that stop sends sensor alert message issue was fixed.

**5.240**

**Feature:**

1.Hotspot Login:

Applying state changes when user login using hotspot as per login using unlock app.

**5.241**

**Feature:**

1.Dynamic ssid:

Applying logical ssid when it is triggered by zazi.Logical name of the pod taken from salesforce

2.Hotspot client restriction:

Number of users connected to hotspot is restricted by 10 in default.If zenspace/hotspot\_clients variable was changed in console of the pod(cradlepoint console),then new value will be taken for upcoming connections.

3.Hotspot authentication method:

2 way of authentication:

1.Authenticate by RAM value - local  
 2.Authenticate by Salesforce - remote

Default way of authentication is local.It can be changed on console by manually.Changes will be applicable for upcoming connections.

**Bug fixes:**

1.Intruder:

In /pod/intrusion exception raised when intruder state changed from no human to human was fixed

Change to state color when intruder is disabled issue was fixed

2.Trigger color change:

While triggering the color change,level is set to default value was fixed.So,do not need to change the level of light

3.Starting server without internet:  
 Bug:  
 If server starts without internet,then the application restarts continously it leads to reset the cradlepoint(router).Because of reset local date changes to 1970.It stops 9001 and 9002 server too

Cause:

No internet.So fails to connect to iot hub

This issue was fixed.

**5.242**

**Feature:**

1.Ticket raise:

If 9001 server stops,raise ticket as critical.

**5.243**

**Bug fixes:**

1.Server issue:

Bug:

Sometimes 9001 didn't start because can't able to resolve the hostname.It raises the follwing error.

*'utf-8' codec can't decode byte 0xc0 in position 0: invalid start byte*

Cause:

HTTPServer class trying to get fully qualified domain name by using

*socket.getfqdn()*

method.But that fails for some reason.

Solution:

So explicitly push server.py file with the package with the following changes.

*# self.server\_name = socket.getfqdn(host)  
 self.server\_name =* ***"cp"***

**and also changed the import statement for 9001 and 9002 server code**

***from server import HTTPServer,****BaseHTTPRequestHandler*

*instead of from http.server import* ***HTTPServer,****BaseHTTPRequestHandler.*

2.Exception handle - 9002

Server start exception handled for 9002.If exception raises ticket will raise.

3.Hotspot

Hotspot html page alignment is changed to center.

If number of connectede users exceed,it will show that "max number of users exceed" on webpage while trying to login.Instead of it shows "Incorrect Pin".That issue was fixed.

4.Sensor status:

At every 30 seconds,light,door state of the pod get by zenspace app.To give current state,sensor status getting updated and it also sent message to cloud.It increases message count.That issue was fixed.

**Modified:**

1.Event message:

Reserved macs ping request failed message changed from critical to warning.

**5.244**

**Bug fixes:**

1.Message publishing:

If iot gateway is not reachable,then message is not published for other properties.That issue was fixed

**Feature:**

1.Health monitoring:

Polling frequency is 30 minutes

1.1 APP health check:

[ Reserved subname for iot gateway,external,internal tablets respectively GATEWAY,UNLOCK,INTERNAL]

1.1.1 GATEWAY truth table:

*PING SERVER  
 YES ok REACHABLE  
 YES notok IOTSERVER  
 NO ok PING  
 NO notok UNREACHABLE*

1.1.2 EXTERNAL TABLET Truth table:

*Ping Status App Keepalive App status  
 YES > time diff UNLOCK  
 NO > time diff UNREACHABLE  
 NO < TIME DIFF PING  
 YES < time diff REACHABLE*

1.1.2 INTERNAL TABLET Truth table:

*Ping Status App Keep Alive camera App keep alive App Status  
 YES > time diff > time diff ZENCAM ( Both Apps)  
 YES > time diff < time diff ZENSPACE  
 YES < time diff >time diff CAMERA  
 YES < time diff <time diff REACHABLE  
 NO > time diff > time diff UNREACHABLE  
 NO > time diff < time diff PINGZEN  
 NO < time diff > time diff PINGC  
 NO <time diff < time diff PING*

1.2 SENSOR check:

Total sensor and available sensor(number of sensor in online) is calculated for door and light sensor.

The above informations,pod state,primary connectivity type of cradlepoint are published with devicetype as MONITOR.

2.Keep alive api

2.1 Unlock keep alive:

/keepalive get request is implemented for unlock app

2.2 camera keep alive

/camera keep alive get request is implemented for camera app

2.3 zenspace keep alive

/pod/LightDoorstate was used by zenspace app only and that was called at every 30 seconds.So keep alive for zenspace app is implemented on that.

3.On request health monitoring:

When { health\_monitor: yes} is updated in cloud,health monitoring method will call and publish current status.