**Application Management**

**Current Running PDS Application Management**

Generally we have multiple PDS applications like GOAPDS,KERALAPDS,APPDS etc., in our POS devices.

Here individual POS device having only one PDS application.POS device should not have more than one PDS application in device.

The PDS application is updating it’s own application through application ftp server.

And also writing current version of application into /mnt/sysuser/app\_ver folder in device.

**File Name :** /mnt/sysuser/app\_ver

**Data :** APP\_TYPE:100

APP\_VERSION:1.3

Where APP\_TYPE is writing default 100 to all PDS applications.

Now we changed that management into new systematic way

**Newly Developed RHMS Application Management**

\* In new RHMS development is facilitating multiple application type management

\* POS device should not have more than one PDS application. That’s why we are dividing the application under application type.

For example:

Project Name : **goapds**

ApplicationType : PDS

ApplicationName : goapds

Version : 1.1

**Newly Developed Application Management**

For example take Project Name : GOAPDS

In this project we are having 462 devices registered under **goapds** project.

Case 1 : Now we are creating a New application as

ApplicationType : PDS

ApplicationName : goapds

PDS → goapds

Case 2 : And also we are creating PDS as application type and Testing application name for application test before released it.

ApplicationType : PDS

ApplicationName : Testing

PDS → Testing

Step 1 : Device serial nnumber need to register under particular topic.

Step 2 : While registering the device we have to register under particular application type and application name and the server has to serve as sending their application path to the registered device.

Device can choose particular Type and particular Application, Here only one type of application can be possible

**Application Management**

In some kind of cases where we need to load the two different application types in device. But not two application names of same application type

Now need to understand what is application type and application names

Application Type: It tells us which kind of application.

Example:

1. Application Type: PDS

2. Application Type: BANKING

the application type has multiple applications of the same type

PDS Type : A1,A2,A3,testing (application names)

BANKING TYPE: B1,B2,B3,testing (application names)

Ticketing Type: C1 C2 C3 testing (application names)

A1, B1, C1 are multiple application names of individual application type.

Applications : Which should be under the application type

**Note:** As per above case one device can have A1 B1 C1 applications. But it should not have A1 A2 applications of same application type.

**For Example:** Let registered serial ID is 111817161514 in one project.

Registered under Application Type : PDS, Application Name : A1 .

\* Now this serial id is won’t allow under another applications of same type like ( A2 A3 applications of PDS type).

\* If any device intentionally want to register in another like testing or A2,A3 application of same application type. Firstly it should delete from previous registration and after succesful deregistration it should register to another application.

So one device have how many valid registrations that many download paths and versions will send by the server POS device.

Example expected server replay for below case of client registration

**Let 111817161514 serial ID device registered in**

**Firmware Type: 3G**

**Application Type: PDS ( A1 application )**

**Banking ( B2 application )**

**Ticketing ( C1 application )**

let below are the total possible registrations in the project

ID - Firmware type description ID – Application Type

( F1 – 2G ) A – PDS (A1 – appds) (A2 - krishna )

( F2 – 3G ) B – Banking ( B1 – Fino ) ( B2 – icici )

( F3 - 4G ) C – ticketing ( C1 – ticket )

( F4 - Testing )

**Expected on Registered Firmware and Applications names, versions, Download links**

F1\_Name: 2G

F1\_Version: 1.0

F1\_Download\_link:

A1\_Name: APPDS

A1\_Version:1.0

A1\_Download\_link:

B2\_Name: BANK\_APPLICATION

B2\_Version:1.0

B2\_Download\_link:

C1\_Name: APPDS

C1\_Version:1.0

C1\_Download\_link:

or

F1\_Name: 2G

F1\_Version: 1.0

F1\_Download\_link:

A2\_Name: GOAPDS

A2\_Version:1.0

A2\_Download\_link:

B1\_Name: FINO\_BANK\_APPLICATION

B1\_Version:1.0

B1\_Download\_link:

C2\_Name: TICKET

C2\_Version:1.0

**C2\_Download\_link:**