LAN OTA Developers guide

For LAN OTA Update the Ayla Device may be in AP Mode or in STA Mode. Before starting the LAN OTA make sure that the Ayla Admin has uploaded the images and started the OTA job on the Cloud side.

The mobile App developers need to invoke the following methods. All these methods are in class AylaLanOTADevice.

1) First Invoke the constructor for AylaLanOTADevice. The parameters for the constructor are as follows

*@param deviceManager the AylaDeviceManager that manages this device*

*@param dsn The DSN of the device  
@param ssid SSID of the device. This is needed in case the Ayla Device is in AP Mode. If the device is already registered to the user and connected in STA Mode then it is optional.*

2) Call the method fetchOTAImageInfo. This method will check for the OTA Image for this device in the cloud.The parameters for this method are as follows

*@param successListener Listener to receive the AylaLanOTA object on success  
 @param errorListener Listener to receive an AylaError should one occur*

3) If the above method succeeds call the method fetchOTAImageInfo. This method will download the OTA Image of the Ayla device to the location specified on the Android Device.The parameters for this method are as follows

@param otaImageInfo OTA Image info fetched from cloud  
 @param localFilePath path to the local file to download the OTA Image  
 @param progressListener Listener for download progress  
 @param successListener Listener to receive on successful download  
 @param errorListener Listener to receive an Error should one occur

4) To Push the OTA Image downloaded to the device make sure you have a listener object set that informs about the OTA Status. This can be achieved by the method setLanOTAListener. The parameters for this method are as follows

@param LanOTAListener listener interface with call back method updateStatus

5) Finally push the OTA image using method pushOTAImageToDevice. After the image is pushed check

the status of the OTA update by the call back method updateStatus of Interface LanOTAListener passed in step 4.

The parameters for this method are as follows

@param successListener Listener to receive on Success of Image update  
 @param errorListener Listener to receive an Error should one occur

6) If the update of Image is success you can delete the OTA Image from the android device by calling deleteOTAFile method. There are no parameters for this method

7) If the device was connected in AP Mode we need to connect back to Original network. If ssid is passed in step 1 we need to reconnect back to our original network by passing reconnectToOriginalNetwork. The parameters for this method are as follows

@param timeoutInSeconds Maximum time to spend trying to reconnect.  
 @param successListener Listener to receive on Successful update of status after we have connected to Original Network  
 @param errorListener Listener called if we fail to join the network in the specified time period or if we are not able to send the status to Cloud