

App Note: Sharing

05/24/2017

Introduction

User shares provide access to all resource share classes (resourceNames) and identifiers (resourceIds). There are two types of AylaShares: owned and received. Owned shares represent resources, typically devices, shared by the current user using the createShare() method with someone else. A typical use case is to share your smart plug with you your spouse. Received shares represent resources shared from another user, with this current user. In either case, the smart plug shows up in both accounts. The person who registered the smart plug to their account has the owned share, and the person who didn't register the smart plug, has a received share.

AylaShare

These are all the methods that can be called on AylaSessionManager Object in the SDK relating to Sharing

1. Fetch Owned Shares

Fetches shares owned by the User

```
fetchOwnedShares(final Response.Listener<AylaShare[]>  
successListener,final ErrorListener errorListener)
```

params:

Response.Listener<AylaShare[]> successListener : A Listener to receive an array of owned shares

ErrorListener errorListener: An Error Listener should one occur.

This method returns an AylaAPIRequest

2. Fetch Received Shares

Fetches shares received by the User

```
fetchReceivedShares(final Response.Listener<AylaShare[]>  
successListener,final ErrorListener errorListener)
```

params:

Response.Listener<AylaShare[]> successListener : A Listener to receive an array of received shares

ErrorListener errorListener: An Error Listener should one occur.

This method returns an AylaAPIRequest

3. Fetch a single Shares

Fetches a single share from Ayla Service

```
fetchShare(String shareId, final Response.Listener<AylaShare>  
successListener,final ErrorListener errorListener)
```

params:

String shareId : Id of the share to be fetched.

*Response.Listener<AylaShare> successListener : A Listener to
receive the share*

ErrorListener errorListener: An Error Listener should one occur.

This method returns an AylaAPIRequest

4. Create a Share

Create a share owned by this user

```
createShare(AylaShare share, String emailTemplateId, final  
Response.Listener<AylaShare> successListener,final ErrorListener  
errorListener)
```

params:

AylaShare share : Share object to be created

emailTemplateId: optional email Template id for the Share

*Response.Listener<AylaShare> successListener : A Listener to
receive the created share*

ErrorListener errorListener: An Error Listener should one occur.

This method returns an AylaAPIRequest

5. Update a Share

Update a share owned by this user

```
updateShare(AylaShare share, String emailTemplateId, final  
Response.Listener<AylaShare> successListener,final ErrorListener  
errorListener)
```

params:

AylaShare share : Share object to be updated

emailTemplateId: optional email Template id for the Share

*Response.Listener<AylaShare> successListener : A Listener to
receive the updated share*

ErrorListener errorListener: An Error Listener should one occur.

This method returns an AylaAPIRequest

6. Delete a Share

Deletes a share owned or received by this user

```
deleteShare(String shareId, final  
Response.Listener<EmptyResponse> successListener, final  
EventListener errorListener)
```

params:

String shareId : Id of the share to be deleted.

Response.Listener<EmptyResponse> successListener : A Listener to receive on success

ErrorListener errorListener: An Error Listener should one occur.

This method returns an AylaAPIRequest

Common Setters and Getters for AylaShare

```
public void setStartDateAt(String startDateAt);  
public void setEndDateAt(String endDateAt);  
public void setRoleName(String roleName);  
public void setOperation(String operation);
```

```
public AylaShareOwnerProfile getOwnerProfile();  
public AylaShareUserProfile getUserProfile();  
public String getId();  
public String getResourceName();  
public String getResourceId();  
public String getRoleName();  
public String getStartDateAt();  
public String getEndDateAt();  
public String getOperation();
```

Common Usage of AylaShare

For creating a new share call createShare method as follows.

```
AylaShare share = device.shareWithEmail(email,  
    ShareAccessLevel.READ.stringValue(), role,  
    startDateString, endDateString);
```

Note: email is the email of the user you want to share your

device with.

```
//In case you want WRITE only option use  
ShareAccessLevel.WRITE.stringValue() in the above method instead  
of ShareAccessLevel.READ.stringValue()
```

pass the share object to the below method

```
sessionManager.createShare(share, null, new  
Response.Listener<AylaShare>() {  
    @Override  
    public void onResponse(AylaShare response) {  
        //Created AylaShare is returned  
    }  
}, new ErrorListener() {  
    @Override  
    public void onErrorResponse(AylaError error) {  
//Log this error or Show a Toast message  
    }  
});
```

To get a list of Owned Shares call this method

```
sessionManager.fetchOwnedShares(new  
Response.Listener<AylaShare[]>() {  
    @Override  
    public void onResponse(AylaShare[] response) {  
        //An array of owned shares is returned. Display this array  
    }  
}, new ErrorListener() {  
    @Override  
    public void onErrorResponse(AylaError error) {  
//Log this error or Show a Toast message  
    }  
});
```

To delete a Share call

```
sessionManager.deleteShare(share, new  
Response.Listener<EmptyResponse>() {  
    @Override  
    public void onResponse(EmptyResponse response) {
```

```
        //Handle successful deletion of Share
    }
}, new ErrorListener() {
    @Override
    public void onErrorResponse(AylaError error) {
        //Log this error or Show a Toast message
    }
});
```