## App Note: Sharing

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### 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*

1. **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*

1. **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*

1. **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*

1. **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*

1. **Delete a Share**

Deletes a share owned or received by this user

*deleteShare(String shareId, final Response.Listener<EmptyResponse > successListener,final ErrorListener 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

}

});