

Sharing a Record Using Apex

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To access sharing programmatically, *you must use the **share object** associated with the standard or custom object for which you want to share*. For example, **AccountShare** is the sharing object for the Account object, **ContactShare** is the sharing object for the Contact object. In addition, *all custom object sharing objects are named as follows, where MyCustomObject is the name of the custom object:*


MyCustomObject__Share

Objects on the detail side of a master-detail relationship do not have an associated sharing object. The detail record's access is determined by the master's sharing object and the relationship's sharing setting. For more information, see "Custom Object Security" in the Salesforce online help.

A share object includes records supporting all three types of sharing: Force.com managed sharing, user managed sharing, and Apex managed sharing. Sharing granted to users implicitly through organization-wide defaults, the role hierarchy, and permissions such as the "View All" and "Modify All" permissions for the given object, "View All Data," and "Modify All Data" are not tracked with this object.

Every share object has the following properties:

Property Name	Description
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Property Name	Description
objectNameAccessLevel	<p>The level of access that the specified user or group has been granted for a share sObject. The name of the property is AccessLevel appended to the object name. For example, the property name for LeadShare object is LeadShareAccessLevel. Valid values are:</p> <ul style="list-style-type: none"> Edit Read All  <p>The All access level can only be used by Force.com managed sharing. This field must be set to an access level that is higher than the organization's default access level for the parent object. For more information, see Understanding Sharing.</p>
ParentID	The ID of the object. This field cannot be updated.
RowCause	The reason why the user or group is being granted access. The reason determines the type of sharing, which controls who can alter the sharing record. This field cannot be updated.

Property Name	Description
UserOrGroupId	<p>The user or group IDs to which you are granting access. A group can be</p> <ul style="list-style-type: none">• a public group or a sharing group associated with a role• a territory group if you use the original version of Territory Management, but not with Enterprise Territory Management <p>This field cannot be updated.</p>
<p>You can share a standard or custom object with users or groups. For more information about the types of users and groups you can share an object with, see User and Group in the OBJECT REFERENCE FOR SALESFORCE.</p>	