

UserInfo - Stores info about the user and what type of authentication the user has an alias for.

```
private String userName;  
private String namedUser;  
private String description;  
private String email;  
private String enterprise;  
private String winAd;  
private String ldap;  
private String other;
```

UserGroupInfo - Stores information about a user group, the group's authentication type, members, and sub-groups.

```
private String authType;  
private String aliasName;  
private final ArrayList<UserInfo> members;  
private final ArrayList<UserGroupInfo> subgroups;
```

AccessRight - Information about an individual right assigned to an object. Use for Granted or Denied rights, ignore "not assigned" rights

```
private String rightName;  
private String rightStatus; //Granted or Denied
```

RoleInfo - Information about an access level assigned to an object

```
private int id;  
private String roleName;  
private boolean inherited;
```

SecurityInfo - Stores information about security on a folder or report. Includes explicit and effective (inherited) Access Levels and Advanced Rights. Role = Access Level, Right = Individual Advanced Right

```
private boolean inheritGroups;  
private boolean inheritFolders;  
private final HashMap<Integer, RoleInfo> roles; //Integer is SI_ID of user group or user  
private final ArrayList<AccessRight>;  
private boolean isEffective;
```

ReportInfo - Contains information about a report and its security

```
protected Integer id;  
protected Integer parentId;  
protected String title;  
protected String kind;  
protected String cuid;  
protected ArrayList<SecurityInfo> security;  
protected boolean hasAdvancedSec;
```

FolderInfo - Contains information about a folder and its security

```
protected Integer id;  
protected Integer parentId;  
protected String title;  
protected String kind;  
protected String cuid;  
protected ArrayList<SecurityInfo> security;  
protected boolean hasAdvancedSec;  
protected String path;  
protected ArrayList<ReportInfo> reports;
```