

# ExtDirectoryManager

- [Description](#)
- [Code Sample](#)
- [Methods](#)
  - [authenticate](#)
  - [getDepartmentById](#)
  - [getDepartmentByName](#)
  - [getDepartmentHod](#)
  - [getDepartmentList](#)
  - [getDepartmentList](#)
  - [getDepartmentListByOrganization](#)
  - [getDepartmentsByOrganizationId](#)
  - [getDepartmentsByParentId](#)
  - [getDepartmentUserByGradeld](#)
  - [getParentDepartment](#)
  - [getParentDepartmentByName](#)
  - [getTotalDepartments](#)
  - [getTotalDepartmentsByOrganizationId](#)
  - [getTotalDepartmentsByParentId](#)
  - [getEmployment](#)
  - [getEmployments](#)
  - [getTotalEmployments](#)
  - [getGradeById](#)
  - [getGradeByName](#)
  - [getGradeList](#)
  - [getGradesByOrganizationId](#)
  - [getTotalGradesByOrganizationId](#)
  - [getGroupById](#)
  - [getGroupByName](#)
  - [getGroupsByUserId](#)
  - [getGroupByUsername](#)
  - [getGroupList](#)
  - [getGroupList](#)
  - [getGroupsByOrganizationId](#)
  - [getTotalGroups](#)
  - [getTotalGroupsByOrganizationId](#)
  - [getTotalGroupsByUserId](#)
  - [getOrganization](#)
  - [getOrganizationByName](#)
  - [getOrganizationsByFilter](#)
  - [getTotalOrganizationsByFilter](#)
  - [getUserByDepartmentId](#)
  - [getUserByGradeld](#)
  - [getUserByGroupid](#)
  - [getUserByGroupName](#)
  - [getUserById](#)
  - [getUserByOrganizationId](#)
  - [getUserByUsername](#)
  - [getUserList](#)
  - [getUserList](#)
  - [getUsers](#)
  - [getTotalUsers](#)
  - [getTotalUsers](#)
  - [isUserInGroup](#)
  - [getUserDepartmentUser](#)
  - [getUserHod](#)
  - [getUserSubordinate](#)
  - [getUsersSubordinate](#)
  - [getTotalUsersSubordinate](#)
  - [getUserRoles](#)

## Description

- `org.joget.directory.model.service.ExtDirectoryManager`
- Under `wflow-directory` module
- Service methods used to interact with Directory Source

## Code Sample

```

import java.util.Collection;
import org.joget.apps.app.service.AppUtil;
import org.joget.directory.model.User;
import org.joget.directory.model.service.ExtDirectoryManager;

ExtDirectoryManager directoryManager = (ExtDirectoryManager) AppUtil.getApplicationContext().getBean
("directoryManager");

//call service method
Collection<User> userList = directoryManager.getUsers(null, null, null, null, null, null, null, "firstName",
false, null, null);

```

## Methods

authenticate

```
public boolean authenticate(java.lang.String username, java.lang.String password)
```

Method called to authenticate a particular User against the directory

getDepartmentById

```
public org.joget.directory.model.Department getDepartmentById(java.lang.String departmentId)
```

Method called to retrieve a specific Department by Department Id

getDepartmentByName

```
public org.joget.directory.model.Department getDepartmentByName(java.lang.String name)
```

Method called to retrieve a specific Department by Department Name

getDepartmentHod

```
public org.joget.directory.model.User getDepartmentHod(java.lang.String departmentId)
```

วิธีการทั่วไปที่เรียกว่าเพื่อค้นหาทั้งหมดภายในไดเรกทอรี

getDepartmentList

```
public java.util.Collection<org.joget.directory.model.Department> getDepartmentList()
```

Generic method called to retrieve all Departments within the directory

getDepartmentList

```
public java.util.Collection<org.joget.directory.model.Department> getDepartmentList(java.lang.String sort,
java.lang.Boolean desc, java.lang.Integer start, java.lang.Integer rows)
```

Method called to retrieve all Departments within the directory filtered by search parameters

getDepartmentListByOrganization

```
public java.util.Collection<org.joget.directory.model.Department> getDepartmentListByOrganization(java.lang.
String organizationId, java.lang.String sort, java.lang.Boolean desc, java.lang.Integer start, java.lang.
Integer rows)
```

Method called to retrieve all Departments within a specific Organization filtered by search parameters

getDepartmentsByOrganizationId

```
public java.util.Collection<org.joget.directory.model.Department> getDepartmentsByOrganizationId(java.lang.
String filterString, java.lang.String organizationId, java.lang.String sort, java.lang.Boolean desc, java.
lang.Integer start, java.lang.Integer rows)
```

Method called to retrieve all Departments within a specific Organization filtered by search parameters

getDepartmentsByParentId

```
public java.util.Collection<org.joget.directory.model.Department> getDepartmentsByParentId(java.lang.String
filterString, java.lang.String parentId, java.lang.String sort, java.lang.Boolean desc, java.lang.Integer
start, java.lang.Integer rows)
```

Method called to retrieve all sub Department within a specific Department filtered by search parameters

getDepartmentUserByGradeId

```
public java.util.Collection<org.joget.directory.model.User> getDepartmentUserByGradeId(java.lang.String departmentId, java.lang.String gradeId)
```

Method called to retrieve a listing of Users which belongs to a specified Department and Grade

getParentDepartment

```
public org.joget.directory.model.Department getParentDepartment(java.lang.String id)
```

Method called to retrieve a parent Department of a Department

getParentDepartmentByName

```
public org.joget.directory.model.Department getParentDepartmentByName(java.lang.String name)
```

Method called to retrieve a parent Department of a Department by Department Name

getTotalDepartments

```
public java.lang.Long getTotalDepartments(java.lang.String organizationId)
```

Method called to retrieve the number of Departments within the directory

getTotalDepartmentsByOrganizationId

```
public java.lang.Long getTotalDepartmentsByOrganizationId(java.lang.String filterString, java.lang.String organizationId)
```

Method called to retrieve the number of Departments within a specific Organization filtered by search parameters

getTotalDepartmentsByParentId

```
public java.lang.Long getTotalDepartmentsByParentId(java.lang.String filterString, java.lang.String parentId)
```

Method called to retrieve the number of sub Departments within a specific Department

getEmployment

```
public org.joget.directory.model.Employment getEmployment(java.lang.String id)
```

Method called to retrieve a specific Employment info

getEmployments

```
public java.util.Collection<org.joget.directory.model.Employment> getEmployments(java.lang.String filterString, java.lang.String organizationId, java.lang.String departmentId, java.lang.String gradeId, java.lang.String sort, java.lang.Boolean desc, java.lang.Integer start, java.lang.Integer rows)
```

Method called to retrieve the users' employment info within the directory filtered by search parameters

getTotalEmployments

```
public java.lang.Long getTotalEmployments(java.lang.String filterString, java.lang.String organizationId, java.lang.String departmentId, java.lang.String gradeId)
```

Method called to retrieve the number of users' employment info within the directory

getGradeById

```
public org.joget.directory.model.Grade getGradeById(java.lang.String gradeId)
```

Method called to retrieve a specific Grade by Grade id

getGradeByName

```
public org.joget.directory.model.Grade getGradeByName(java.lang.String name)
```

Method called to retrieve a specific Grade by Grade Name

getGradeList

```
public java.util.Collection<org.joget.directory.model.Grade> getGradeList()
```

Generic method called to retrieve all Grades within the directory

getGradesByOrganizationId

```
public java.util.Collection<org.joget.directory.model.Grade> getGradesByOrganizationId(java.lang.String filterString, java.lang.String organizationId, java.lang.String sort, java.lang.Boolean desc, java.lang.Integer start, java.lang.Integer rows)
```

Method called to retrieve all Grades within a specific Organization filtered by search parameters

getTotalGradesByOrganizationId

```
public java.lang.Long getTotalGradesByOrganizationId(java.lang.String filterString, java.lang.String organizationId)
```

Method called to retrieve the number of Grades within a specific Organization filtered by search parameters

getGroupById

```
public org.joget.directory.model.Group getGroupById(java.lang.String groupId)
```

Method called to retrieve a specific Group by id

getGroupByName

```
public org.joget.directory.model.Group getGroupByName(java.lang.String groupName)
```

Method called to retrieve a specific Group by name

getGroupsByUserId

```
public java.util.Collection<org.joget.directory.model.Group> getGroupsByUserId(java.lang.String filterString, java.lang.String userId, java.lang.String organizationId, java.lang.Boolean inGroup, java.lang.String sort, java.lang.Boolean desc, java.lang.Integer start, java.lang.Integer rows)
```

Method called to retrieve a collection of Group in/not in which a user belongs to and filtered by search parameters

getGroupByUsername

```
public java.util.Collection<org.joget.directory.model.Group> getGroupByUsername(java.lang.String username)
```

Method called to retrieve a collection of Group in which a user belongs to

getGroupList

```
public java.util.Collection<org.joget.directory.model.Group> getGroupList()
```

Generic method called to retrieve the entire Group listing within the directory

getGroupList

```
public java.util.Collection<org.joget.directory.model.Group> getGroupList(java.lang.String nameFilter, java.lang.String sort, java.lang.Boolean desc, java.lang.Integer start, java.lang.Integer rows)
```

Method called to retrieve the entire Group listing within the directory filtered by search parameters

getGroupsByOrganizationId

```
public java.util.Collection<org.joget.directory.model.Group> getGroupsByOrganizationId(java.lang.String filterString, java.lang.String organizationId, java.lang.String sort, java.lang.Boolean desc, java.lang.Integer start, java.lang.Integer rows)
```

Method called to retrieve all groups within a specific Organization filtered by search parameters

getTotalGroups

```
public java.lang.Long getTotalGroups()
```

Method call to retrieve the number of Groups available

getTotalGroupsByOrganizationId

```
public java.lang.Long getTotalGroupsByOrganizationId(java.lang.String filterString, java.lang.String organizationId)
```

Method call to retrieve the number of Groups available within a specific Organization filtered by search parameters

getTotalGroupsByUserId

```
public java.lang.Long getTotalGroupsByUserId(java.lang.String filterString, java.lang.String userId, java.lang.String organizationId, java.lang.Boolean inGroup)
```

Method called to retrieve the number of Group in/not in which a user belongs to

getOrganization

```
public org.joget.directory.model.Organization getOrganization(java.lang.String id)
```

Method called to retrieve a specific Organization by Id

getOrganizationByName

```
public org.joget.directory.model.Organization getOrganizationByName(String name)
```

Method called to retrieve a specific Organization by Name

getOrganizationsByFilter

```
public java.util.Collection<org.joget.directory.model.Organization> getOrganizationsByFilter(java.lang.String filterString, java.lang.String sort, java.lang.Boolean desc, java.lang.Integer start, java.lang.Integer rows)
```

Method called to retrieve all Organizations filtered by search parameters

getTotalOrganizationsByFilter

```
public java.lang.Long getTotalOrganizationsByFilter(java.lang.String filterString)
```

Method called to retrieve the number of Organizations

getUserByDepartmentId

```
public java.util.Collection<org.joget.directory.model.User> getUserByDepartmentId(java.lang.String departmentId)
```

Method called to retrieve a listing of Users by Department id

getUserByGradeId

```
public java.util.Collection<org.joget.directory.model.User> getUserByGradeId(java.lang.String gradeId)
```

Method called to retrieve a listing of Users by Grade id

getUserByGroupId

```
public java.util.Collection<org.joget.directory.model.User> getUserByGroupId(java.lang.String groupId)
```

Method called to retrieve a listing of Users by Group id

getUserByGroupName

```
public java.util.Collection<org.joget.directory.model.User> getUserByGroupName(java.lang.String groupName)
```

Method called to retrieve a listing of Users by Group name

getUserById

```
public org.joget.directory.model.User getUserById(java.lang.String userId)
```

Method called to retrieve a specific User by User id

getUserByOrganizationId

```
public java.util.Collection<org.joget.directory.model.User> getUserByOrganizationId(java.lang.String organizationId)
```

Method called to retrieve a listing of Users by Organization id

getUserByUsername

```
public org.joget.directory.model.User getUserByUsername(java.lang.String username)
```

Method called to retrieve a specific User by Username

getUserList

```
public java.util.Collection<org.joget.directory.model.User> getUserList()
```

Generic method called to retrieve the entire User listing within the directory

getUserList

```
public java.util.Collection<org.joget.directory.model.User> getUserList(java.lang.String nameFilter, java.lang.String sort, java.lang.Boolean desc, java.lang.Integer start, java.lang.Integer rows)
```

Method called to retrieve the entire User listing within the directory filtered by search parameters

getUsers

```
public java.util.Collection<org.joget.directory.model.User> getUsers(java.lang.String filterString, java.lang.String organizationId, java.lang.String departmentId, java.lang.String gardeId, java.lang.String groupId, java.lang.String roleId, java.lang.String active, java.lang.String sort, java.lang.Boolean desc, java.lang.Integer start, java.lang.Integer rows)
```

Method called to retrieve the users within the directory filtered by search parameters

getTotalUsers

```
public java.lang.Long getTotalUsers()
```

Method called to retrieve the number of Users available

getTotalUsers

```
public java.lang.Long getTotalUsers(java.lang.String filterString, java.lang.String organizationId, java.lang.String departmentId, java.lang.String gardeId, java.lang.String groupId, java.lang.String roleId, java.lang.String active)
```

Method call to retrieve the number of Users available within the directory filtered by search parameters isUserInGroup

isUserInGroup

```
public boolean isUserInGroup(java.lang.String username, java.lang.String groupName)
```

Method called to check if a User belongs to a specific Group

getUserDepartmentUser

```
public java.util.Collection<org.joget.directory.model.User> getUserDepartmentUser(java.lang.String username)
```

Method called to retrieve a listing of Users which belongs to the same Department as the specific Username

getUserHod

```
public java.util.Collection<org.joget.directory.model.User> getUserHod(java.lang.String username)
```

Method called to retrieve a listing of HODs in which a specific User reports to

getUserSubordinate

```
public java.util.Collection<org.joget.directory.model.User> getUserSubordinate(java.lang.String username)
```

Method called to retrieve a listing of all the subordinates which reports to a specific User

getUsersSubordinate

```
public java.util.Collection<org.joget.directory.model.User> getUsersSubordinate(java.lang.String username, java.lang.String sort, java.lang.Boolean desc, java.lang.Integer start, java.lang.Integer rows)
```

Method called to retrieve a listing of all the subordinates which reports to a specific User filtered by search parameters

getTotalUsersSubordinate

```
public java.lang.Long getTotalUsersSubordinate(java.lang.String username)
```

Method called to retrieve the number of subordinates which reports to a specific User

getUserRoles

```
public java.util.Collection<org.joget.directory.model.Role> getUserRoles(java.lang.String username)
```

Method called to retrieve the Roles belonging to a specific User by Username