



How to Change User Directory

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Document Owner(s)	Project/Organization Role
Kapil-Jeon	Open Source Consulting, Inc

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1 User Directory Ordering

1.1 Confluence 에서 User 와 Group 을 새로 생성할 경우




1. Confluence Admin 으로 로그인합니다.
2. 우측 상단의 CONFLUENCE ADMINISTRATION 에서 User Management 를 클릭합니다.
3. 좌측 패널의 USERS & SECURITY 탭에서 User Directories 를 클릭합니다.
4. 처음 Confluence 설치 시 Jira 와 연동하였다면 다음과 같은 화면을 보실 수 있습니다.

User Directories

User Directories

The table below shows the user directories currently configured for Confluence.

The order of the directories is the order in which they will be searched for users and groups. Changes to users and groups will be made in the first directory where Confluence has permission to make changes. It is recommended that each user exist only in a single directory.

Directory Name	Type	Order	Operations
Remote JIRA Directory <small>You cannot edit this directory because you are logged in through it, please log in as a locally authenticating user to edit it.</small>	Atlassian Crowd	 	Test Synchronise <small>Last synchronised at 1/13/16 6:59 PM (took 0s). Full synchronisation completed successfully.</small>
Confluence Internal Directory	Internal	 	Disable

[Add Directory](#)

Additional Configuration & Troubleshooting

- [LDAP Connection Pool Configuration](#)
- [Directory Configuration Summary](#)





5. 위 화면의 Order 부분의 파란색 화살표를 클릭하여, Confluence Internal Directory 를 가장 위로 변경한 뒤, Remote JIRA Directory 의 Operations 에서 Disable 을 클릭합니다.

User Directories

User Directories

The table below shows the user directories currently configured for Confluence.

The order of the directories is the order in which they will be searched for users and groups. Changes to users and groups will be made in the first directory where Confluence has permission to make changes. It is recommended that each user exist only in a single directory.

Directory Name	Type	Order	Operations
Confluence Internal Directory You cannot edit this directory because you are logged in through it, please log in as a locally authenticating user to edit it.	Internal	 	
Remote JIRA Directory <i>(inactive)</i>	Atlassian Crowd	 	Enable Remove Edit Test Synchronise Last synchronised at 1/13/16 7:49 PM (took 0s). Full synchronisation completed successfully.

[Add Directory](#)

Additional Configuration & Troubleshooting

- [LDAP Connection Pool Configuration](#)
- [Directory Configuration Summary](#)

6. 이후 계정 생성 시 Confluence Internal Directory 에 만들어지며, Jira 와 별도로 사용이 가능합니다.

1.2 External Directory Migration

- Remote Jira Directory, Crowd Directory 등 Confluence Internal Directory 가 아닌 다른 User Directory 를 사용할 경우 사용 가능한 방법입니다.
- 이 방법을 수행하시기 전에 **반드시 Jira 와 Confluence 에서 Attachment 를 포함한 전체 백업(XML)을 수행**하시기 바랍니다.
- 이 방법을 수행할 경우, **계정 정보는 보존되나, Admin 계정을 제외한 모든 비밀번호는 초기화됩니다.**
- 따라서 계정 정보가 많지 않을 경우, Step1.1 의 방법을 권장합니다.

1. 백업 후 Confluence 를 중지합니다.

```
#service confluence stop
```

2. DB 에 접속한 뒤, Directory 의 ID 를 확인합니다.

```
#mysql -uroot -p
```

```
#use confluence (Confluence 에서 사용 중인 DB 명)
```

```
#select * from cwd_directory;
```

```
MariaDB [wiki]> select * from cwd_directory;
+-----+-----+-----+-----+-----+-----+
| id      | directory_name      | lower_directory_name      | created_date      |
updated_date      | active | description      | impl_class      |
| lower_impl_class      | directory_type |
+-----+-----+-----+-----+-----+-----+
| 131073 | Remote JIRA Directory | remote jira directory | 2016-01-13 05:18:20 |
2016-01-13 19:52:15 | F      | NULL      | com.atlassian.crowd.direct
ory.RemoteCrowdDirectory | com.atlassian.crowd.directory | CROWD |
| 131074 | Confluence Internal Directory | confluence internal directory | 2016-01-13 05:18:20 |
2016-01-13 05:18:20 | T      | Confluence default internal directory | com.atlassian.crowd.direct
ory.InternalDirectory | com.atlassian.crowd.directory.internaldirectory | INTERNAL |
+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)
```

위 화면의 경우, 테스트를 위해 준비한 화면으로, 실제 id 값은 다를 수 있습니다.

3. 그룹 이동

3.1 Remote Jira Directory 와 Confluence Internal Directory 내에 같은 이름의 그룹이 있는지 검색합니다. (Empty Set 으로 나온다면, 이 부분은 Skip 하시면 됩니다)

```
#select distinct a.id, a.directory_id, a.group_name, d.directory_name from
cwd_group a join cwd_group b on a.group_name=b.group_name join cwd_directory
d on d.id=a.directory_id where a.directory_id != b.directory_id;
```

```
MariaDB [wiki]> select distinct a.id, a.directory_id, a.group_name, d.directory_name from cwd_gro
up a join cwd_group b on a.group_name=b.group_name join cwd_directory d on d.id=a.directory_id wh
ere a.directory_id != b.directory_id;
+-----+-----+-----+-----+
| id      | directory_id | group_name      | directory_name      |
+-----+-----+-----+-----+
| 720898 | 131073 | confluence-administrators | Remote JIRA Directory |
| 720897 | 131073 | confluence-users      | Remote JIRA Directory |
| 196610 | 131074 | confluence-users      | Confluence Internal Directory |
| 196609 | 131074 | confluence-administrators | Confluence Internal Directory |
+-----+-----+-----+-----+
```

3.2 위와 같이 중복되는 내용이 있을 경우, 다음의 절차에 따라 변경이 필요합니다.

<방법>

```
#update cwd_group_attribute set group_id=<internal group id>,
directory_id=<Confluence Internal Id> where group_id=<external group id>;
```

```
#update cwd_membership set child_group_id=<internal group id> where  
child_group_id=<external group id>;
```

```
#update cwd_membership set parent_id=<internal group id> where  
parent_id=<external group id>;
```

```
#delete from cwd_group where id=<external group id>;
```

<예시>

```
#update cwd_group_attribute set group_id=196609, directory_id=131074 where  
group_id=720898;
```

```
#update cwd_group_attribute set group_id=196610, directory_id=131074 where  
group_id=720897;
```

```
#update cwd_membership set child_group_id=196610 where  
child_group_id=720897;
```

```
#update cwd_membership set child_group_id=196609 where  
child_group_id=720898;
```

```
#update cwd_membership set parent_id=196609 where parent_id=720898;
```

```
#update cwd_membership set parent_id=196610 where parent_id=720897;
```

```
#delete from cwd_group where id=720897;
```

```
#delete from cwd_group where id=720898;
```

```

MariaDB [wiki]> update cwd_group_attribute set group_id=196609, directory_id=131074 where group_id=720898;
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0 Changed: 0 Warnings: 0

MariaDB [wiki]> update cwd_group_attribute set group_id=196610, directory_id=131074 where group_id=720897;
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0 Changed: 0 Warnings: 0

MariaDB [wiki]> update cwd_membership set child_group_id=196610 where child_group_id=720897;
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0 Changed: 0 Warnings: 0

MariaDB [wiki]> update cwd_membership set child_group_id=196609 where child_group_id=720898;
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0 Changed: 0 Warnings: 0

MariaDB [wiki]>
MariaDB [wiki]> update cwd_membership set parent_id=196609 where parent_id=720898;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [wiki]> update cwd_membership set parent_id=196610 where parent_id=720897;
Query OK, 1 row affected (0.01 sec)
Rows matched: 1 Changed: 1 Warnings: 0

MariaDB [wiki]> delete from cwd_group where id=720897;
Query OK, 1 row affected (0.01 sec)

MariaDB [wiki]> delete from cwd_group where id=720898;
Query OK, 1 row affected (0.00 sec)

```

이후 Step3.1 수행 시 Empty Set 이 출력된다면 정상입니다.

3.3 그룹을 이동합니다.

<방법>

```
# update cwd_group set directory_id=<Confluence Internal ID> where
directory_id=<External Application ID>;
```

<예시>

```
#update cwd_group set directory_id=131074 where directory_id=131073;
```

4. 유저 이동

4.1 Remote Jira Directory 와 Confluence Internal Directory 내에 같은 이름의 사용자가 있는지 검색합니다. (Empty Set 으로 나온다면, 이 부분은 Skip 하시면 됩니다)


```
# select distinct a.id, a.directory_id, a.user_name, d.directory_name from cwd_user
a join cwd_user b on a.user_name=b.user_name join cwd_directory d on
d.id=a.directory_id where a.directory_id != b.directory_id;
```

```
MariaDB [wiki]> select distinct a.id, a.directory_id, a.user_name, d.directory_name from cwd_user
a join cwd_user b on a.user_name=b.user_name join cwd_directory d on d.id=a.directory_id where a
.directory_id != b.directory_id;
```

id	directory_id	user_name	directory_name
262148	131073	admin	Remote JIRA Directory
262145	131074	admin	Confluence Internal Directory

4.2 위와 같이 중복되는 내용이 있을 경우, 다음의 절차에 따라 변경이 필요합니다

<방법>

```
# update cwd_membership set child_user_id=<internal user id> where
child_user_id=<external user id>;
```

```
# update cwd_user_credential_record set user_id=<internal user id> where
user_id=<external user id>;
```

```
# update cwd_user_attribute set user_id=<internal user id>, directory_id=<Confluence
Internal ID> where user_id=<external user id>;
```

```
# delete from cwd_user where id=<external user id>;
```

<예시>

```
# update cwd_membership set child_user_id=262145 where child_user_id=262148;
```

```
# update cwd_user_credential_record set user_id=262145 where user_id=262148;
```

```
# update cwd_user_attribute set user_id=262145, directory_id=131074 where
user_id=262148;
```

```
# delete from cwd_user where id=262148;
```

```

MariaDB [wiki]> update cwd_membership set child_user_id=262145 where child_user_id=262148;
Query OK, 2 rows affected (0.01 sec)
Rows matched: 2 Changed: 2 Warnings: 0

MariaDB [wiki]> update cwd_user_credential_record set user_id=262145 where user_id=262148;
Query OK, 0 rows affected (0.01 sec)
Rows matched: 0 Changed: 0 Warnings: 0

MariaDB [wiki]> update cwd_user_attribute set user_id=262145, directory_id=131074 where user_id=262148;
Query OK, 0 rows affected (0.00 sec)
Rows matched: 0 Changed: 0 Warnings: 0

MariaDB [wiki]> delete from cwd_user where id=262148;
Query OK, 1 row affected (0.01 sec)

```

이후 Step4.1 수행 시 Empty Set 이 출력된다면 정상입니다

4.3 사용자를 이동합니다.

<방법>

```
#update cwd_user set directory_id=<Confluence Internal ID> where
directory_id=<External Application ID>;
```

<예시>

```
# update cwd_user set directory_id=131074 where directory_id=131073;
```

5. Internal Directory 위치 변경

5.1 Internal Directory 를 가장 위로 Ordering 합니다.

<방법>

```
#update cwd_app_dir_mapping set list_index = 0 where directory_id = <Confluence
Internal ID>;
```

<예시>

```
#update cwd_app_dir_mapping set list_index = 0 where directory_id = 131074;
```

NOTE. 만약 디렉토리가 Internal 과 Remote 두 개가 아닌 그 이상이라면 다음의 절차를 따릅니다.

```
# select d.id, d.directory_name, m.list_index from cwd_directory d
join cwd_app_dir_mapping m on d.id=m.directory_id order by
m.list_index;
```

```
# update cwd_app_dir_mapping set list_index = <position> where
directory_id = <directory id>;
```

5.2 Internal Directory 가 enable 되었는지 확인합니다.

<방법>

```
# select id, directory_name, active from cwd_directory where id = <Internal Directory
id>;
```

<예시>

```
# select id, directory_name, active from cwd_directory where id = 131074;
```

```
MariaDB [wiki]> select id, directory_name, active from cwd_directory where id = 131074;
+-----+-----+-----+
| id    | directory_name          | active |
+-----+-----+-----+
| 131074 | Confluence Internal Directory | T      |
+-----+-----+-----+
1 row in set (0.00 sec)
```

5.3 만약 enable 되지않았다면, (Active 가 아니라면) active 를 T 가 되도록 바꿔줍니다.

<방법>

```
#update cwd_directory set active = 'T' where id = <Internal Directory id>;
```

<예시>

```
#update cwd_directory set active = 'T' where id = 131074;
```

6. 외부 디렉토리 삭제

6.1 디렉토리 순서에서 외부 디렉토리를 삭제합니다.

<방법>

```
#delete from cwd_app_dir_operation where app_dir_mapping_id = (select id from  
cwd_app_dir_mapping where directory_id = <External Application ID>);
```

```
#delete from cwd_app_dir_mapping where directory_id = <External Application ID>;
```

<예시>

```
#delete from cwd_app_dir_operation where app_dir_mapping_id = (select id from  
cwd_app_dir_mapping where directory_id = 131073);
```

```
#delete from cwd_app_dir_mapping where directory_id = 131073;
```

```
MariaDB [wiki]> delete from cwd_app_dir_operation where app_dir_mapping_id = (select id from cwd_  
app_dir_mapping where directory_id = 131073);  
Query OK, 12 rows affected (0.01 sec)  
  
MariaDB [wiki]> delete from cwd_app_dir_mapping where directory_id = 131073;  
Query OK, 1 row affected (0.01 sec)
```

6.2 남은 참조 테이블들을 삭제합니다.

<방법>

```
#delete from cwd_directory_attribute where directory_id=<External Application ID>;
```

```
#delete from cwd_directory_operation where directory_id=<External Application ID>;
```

<예시>

```
#delete from cwd_directory_attribute where directory_id=131073;
```

```
#delete from cwd_directory_operation where directory_id=131073;
```

```
MariaDB [wiki]> delete from cwd_directory_attribute where directory_id=131073;
Query OK, 10 rows affected (0.01 sec)

MariaDB [wiki]> delete from cwd_directory_operation where directory_id=131073;
Query OK, 12 rows affected (0.01 sec)
```

6.3 마지막으로 외부 디렉토리를 삭제합니다.

<방법>

```
#delete from cwd_directory where id = <External Application ID>;
```

<예시>

```
#delete from cwd_directory where id = 131073;
```

```
MariaDB [wiki]> delete from cwd_directory where id = 131073;
Query OK, 1 row affected (0.00 sec)
```

6.4 Commit 후 Confluence 를 시작합니다.

```
#commit;
```

```
#exit
```

```
#service confluence start
```

7. Admin 계정으로 로그인한 뒤, User Directory 를 확인합니다.

User Directories

User Directories ☺

The table below shows the user directories currently configured for Confluence.

The order of the directories is the order in which they will be searched for users and groups. Changes to users and groups will be made in the first directory where Confluence has permission to make changes. It is recommended that each user exist only in a single directory.

Directory Name	Type	Order	Operations
Confluence Internal Directory You cannot edit this directory because you are logged in through it, please log in as a locally authenticating user to edit it.	Internal	1	⬆ ⬇

[Add Directory](#)

Additional Configuration & Troubleshooting

- [LDAP Connection Pool Configuration](#)
- [Directory Configuration Summary](#)

8. 사용자들의 비밀번호를 재설정합니다.

2 참고자료

Reverting from Crowd or JIRA applications to Internal User Management:

<https://confluence.atlassian.com/doc/reverting-from-crowd-or-jira-applications-to-internal-user-management-188086.html>
