

# Triggers: Script Tips

## Triggers: Script Tips

Here we will show you some tips about how to use scripts.

For more information you can visit the [official documentation of Soffid](#)

### Write into a sync-server log

```
System.out.println("what you want.....");
```

### Recover data from a Soffid object when synchronizing

\* **source** only can be used in outgoing triggers. That object will be Soffid format.

\* **newObject** and **oldObject** can be used in outgoing and incoming triggers. Those objects will be target system format in outgoing triggers and will be Soffid format in incoming triggers.

### Recover data from Soffid object to synchronize

Recover user name

```
name = source{"userName"};
```

### Recover a custom attribute

Recover company (company could be a user custom attribute defined on metadata page)

```
comp = source{"attributes"}{"company"};
```

### Recover the attribute value that will be sent

```
no = newObject{"userName"};
gn = newObject{"givenName"};
....
```

## Recover the attribute value from the select

That info comes from the target system. In a synchronization process, the first thing that Soffid does, is to query if the account exists on the target system.

```
no = oldObject{"userName"};
gn = oldObject{"givenName"};
....
```

## Use existing services

```
serviceLocator.getUserService().....
serviceLocator.getAccountService().....
serviceLocator.....
```

## Create a new Soffid object

```
mailDomain = new com.soffid.iam.api.MailDomain();
newUser = new com.soffid.iam.api.User();
newRol = new com.soffid.iam.api.Role();
.....
```

## Loop an object list

```
for(role : roleList){
    //TO-DO
    out.print(" Role: " + role.roleName + "\n");
}
```

## Recover response

```
if (response!=null) {
    for (o : response.getObjects()) {
        if (o!=null && o{"result"}!=null) {
            //TO-DO
        }
    }
}
```

```
}  
}
```

## Send a text email

```
serviceLocator.getMailService().sendTextMail("mail@soffid.com", "Subject", "Mail message");
```

## Send a HTML mail

```
serviceLocator.getMailService().sendHtmlMailToActors(<to>, <subject>, <html-body>);
```

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