How To Use the BPC Mass User Management Tool in BPC 10.0 NW

Applies to:

SAP BusinessObjects Planning & Consolidation 10.0, version for SAP NetWeaver. For more information, visit the Enterprise Performance Management homepage.

Summary

This guide will introduce the BPC User Management Tool for version 10.0, and all of its associated functions and features.

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Author Bio

Rich Heilman is a Senior Technical Specialist with the Customer Solution Adoption (CSA) group, at SAP Labs LLC. He is currently focused on the SAP BusinessObjects Planning and Consolidation, version for NetWeaver product. Previously, Rich was a member of the EPM Solution Management team at SAP where he worked on a wide range of topics related to the SAP BusinessObjects Planning and Consolidation product. Before joining SAP in 2007, he worked for an SAP customer as an ABAP Developer for 6 years. Rich is also the co-author of the SAP Press book, Next Generation ABAP Development. He is also a regular contributor to the SAP Community Network.

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Table of Contents

Business Scenario 3
Background Information 3
Prerequisites 3
Step-by-Step Procedure 4
- Exporting Users 4
- Importing Users 5
- Exporting Teams 7
- Importing Teams 9
- Exporting Team Assignments 11
- Importing Team Assignments 12
- Exporting Task Profiles 14
- Importing Task Profiles 16
- Exporting Data Access Profiles 19
- Importing Data Access Profiles 21
- Exporting Task Profile Assignments 24
- Importing Task Profile Assignments 25
- Exporting Data Access Profile Assignments 29
- Importing Data Access Profile Assignments 30

Transport Files 33
Related Content 34
Copyright 35

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Business Scenario

In this guide, we will demonstrate how to use a custom program (delivered within this How To Guide) which will allow you to do mass maintenance of BPC 10 security objects. These objects include users, teams, team assignments, task profiles, task profile assignments, data access profiles (formerly known as Member Access Profiles), and finally, data access profile assignments. This custom program calls the BPC user management APIs, (the same APIs used by the BPC Admin Console), to correctly create or update the associated security objects. The program described in this guide simply provides a friendly, easy to use interface which allows the user to export and import 'csv' files containing all of the relevant data in which the security objects can be created from.

Background Information

Most BPC security objects are not transportable using the BPC Transport Framework. In some cases, it can be really cumbersome to re-create these objects throughout the landscape. This custom program allows the user to export as well as import all BPC security objects. The export/import functions use comma, tab, or pipe delimited text files as the data transfer medium. Example files have been supplied with this guide. While the user can simply create files from scratch and upload them into the system, the real power of this program is that it allows the user to export these security objects from an Environment, and then import them into another Environment in the same system, or in a remote system, essentially moving these objects across the landscape without using the BPC transports framework.

Prerequisites

Required/recommended expertise or prior knowledge

- SAP BusinessObjects Planning and Consolidation 10.0, version for SAP NetWeaver.

Access to SAP NetWeaver transaction codes: SE38

Additional Documentation

- Other EPM How-To Guides
  - http://wiki.sdn.sap.com/wiki/display/BPX/Enterprise+Performance+Management+%28EPM%29+How-to+Guides

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Step-by-Step Procedure

This How-To guide contains transport request files, K900024.RBP and R900024.RBP (see section "Transport Files"). This transport request contains all the NetWeaver objects that are required to complete this How-To Guide:

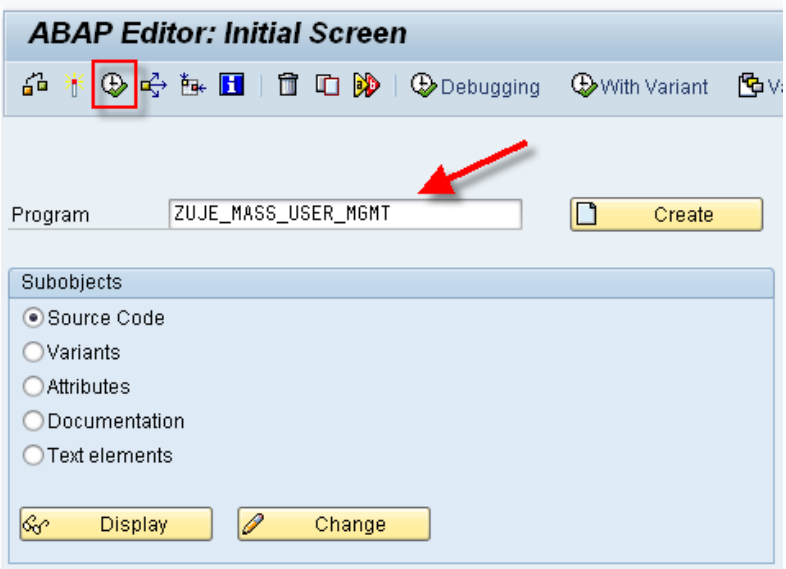
Programs

- ZUJE_MASS_USER_MGMT BPC Mass User Management Tool v10.0

As the process of importing a transport request is not covered here, it is suggested that you seek assistance from your basis administrator in order to have this transport request imported into your system.

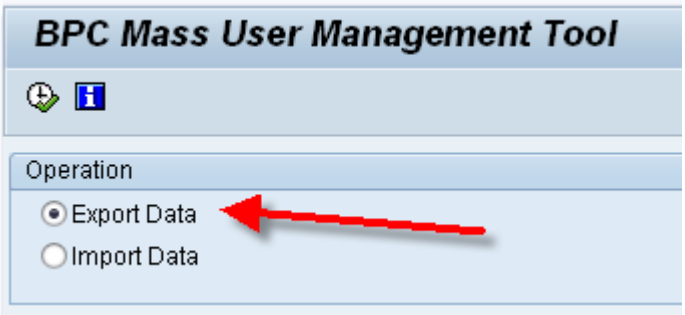
Note: These objects must be imported into your system before continuing any further.

To begin using the tool, log on to the backend NetWeaver system via SAPgui, and run the ZUJE_MASS_USER_MGMT program from transaction code SE38, by entering the program name and clicking the "Execute" button.



Exporting Users

1. From the initial screen, select the appropriate radio button for "Export Data".



2. Next, enter the name of the Environment which contains the data which is to be exported. In this guide, the ENV_TEST Environment will be used for all examples. Also, enter the file path and file name for the export file. (Note: This file path must exist on your end user machine where you are running

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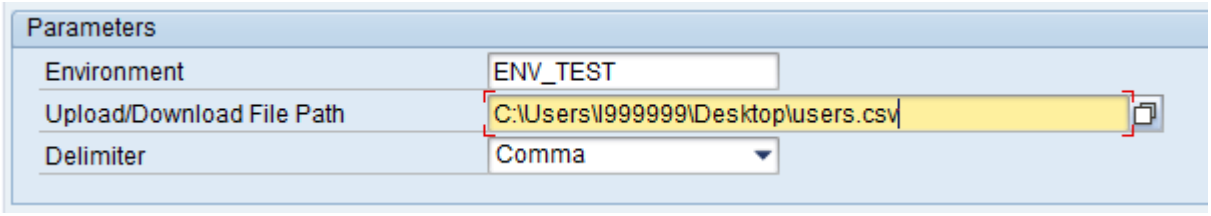
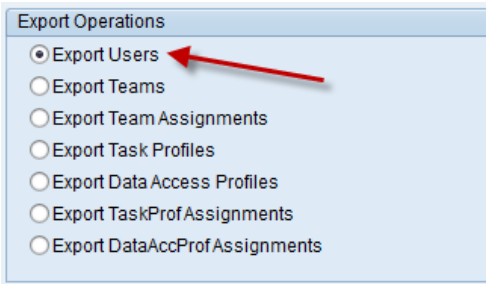
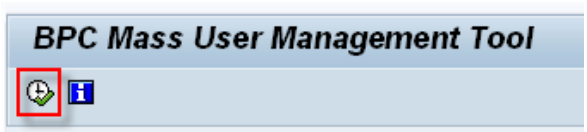
SAPgui from.) Finally, select the delimiter value for the file. Comma, pipe, and tab delimiters are supported.



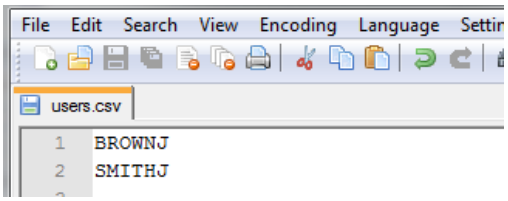
3. Next, select the appropriate radio button for “Export Users”.



4. Finally, click the “Execute” button to start the export process.

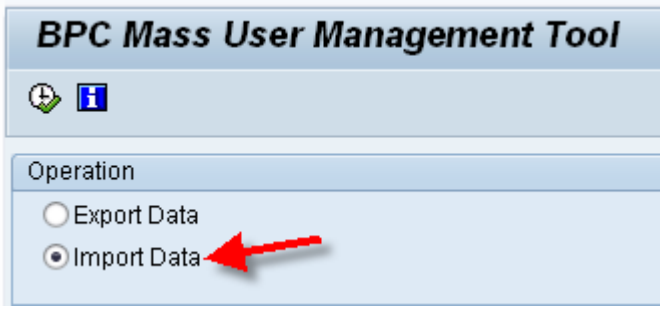


5. The output file is then generated.



Importing Users

1. From the initial screen, select the appropriate radio button for “Import Data“.



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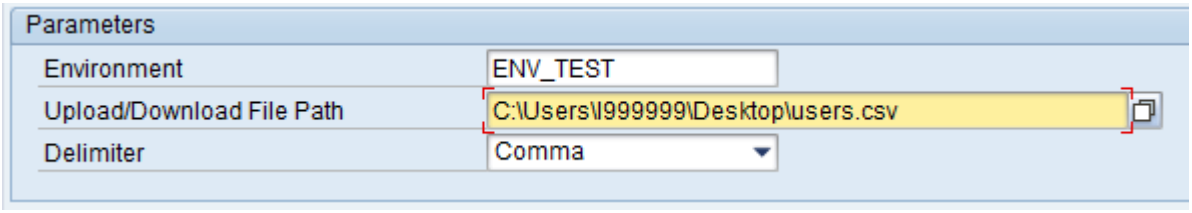
2. Next, enter the name of the Environment where you want to create the users. In this guide, the ENV_TEST Environment will be used for all examples. Also, enter the file path and file name for the import file. Finally, select the delimiter value for the file.



Note: The file must contain the following structure in a comma delimited format:

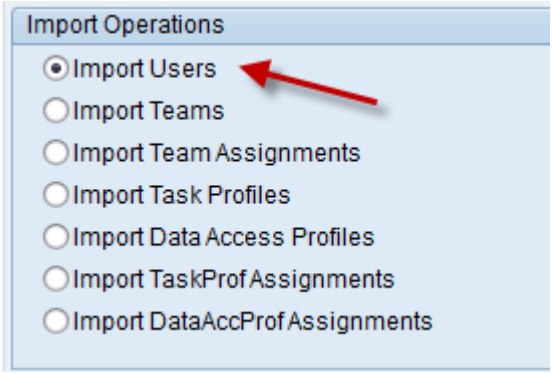
USER_ID	User ID

The file structure is exactly the same as what is generated by the export function. An example file might look like the following:

```
BROWNJ
SMITHJ
```

Note: These users must already exist in the NetWeaver system. The action of importing users only supports adding existing users to a BPC environment. It does not support the actual creation of the users in the NetWeaver system.

3. Select the appropriate radio button for “Import Users”.



4. To start the process, click the “Execute” button from the application toolbar.

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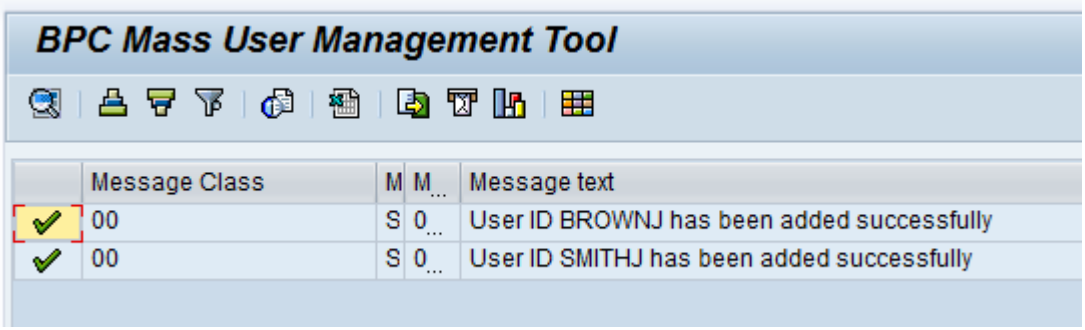
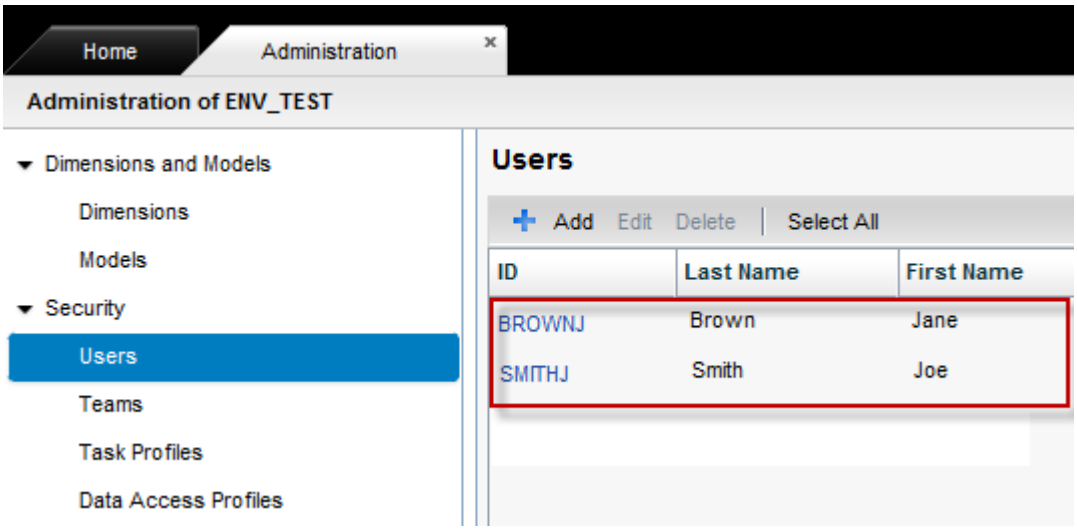
5. The new users are then created for the Environment and a message screen is displayed. This screen will show all associated success and failure messages.

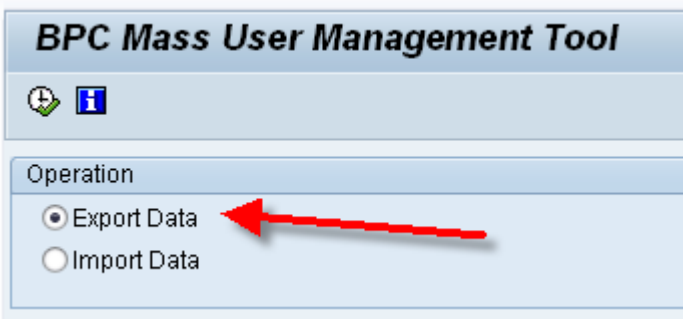


6. The new users can now be seen from the BPC Administration tab.



Exporting Teams

1. From the initial screen, select the appropriate radio button for “Export Data“.



2. Next, enter the name of the Environment which contains the data which is to be exported. In this guide, the ENV_TEST Environment will be used for all examples. Also, enter the file path and file name for the export file. Finally, specify the delimiter.

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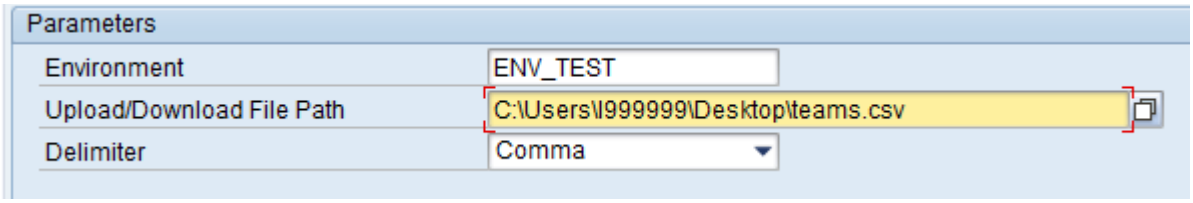
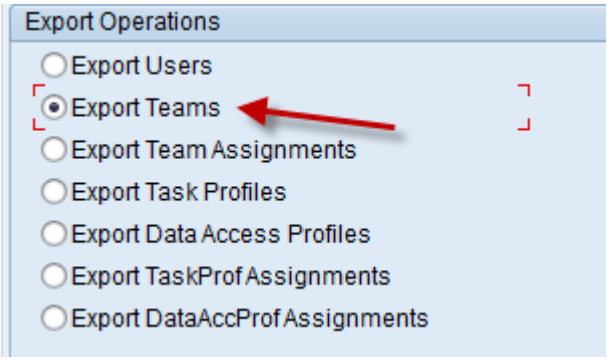
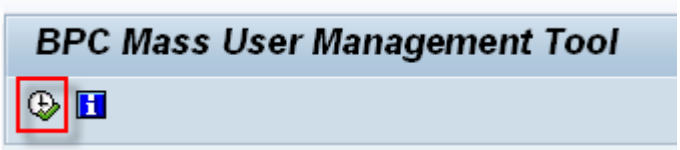


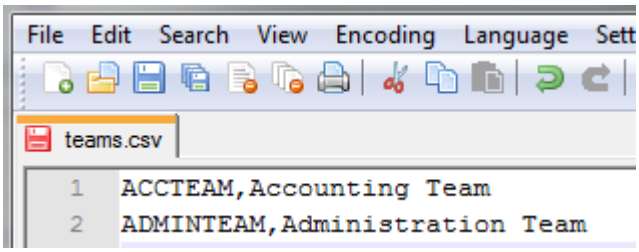
3. Next, select the appropriate radio button for “Export Teams”.



4. Finally, click the “Execute” button to start the export process.



5. The output file is then generated.



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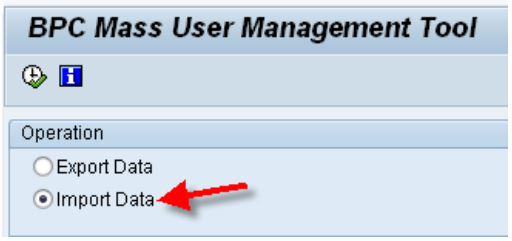
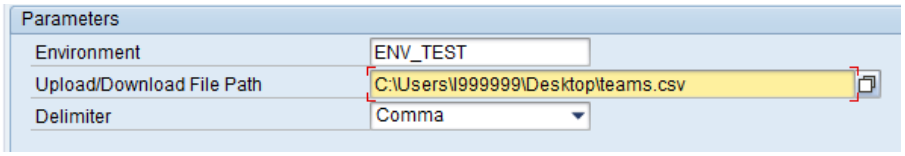
Importing Teams

1. From the initial screen, select the appropriate radio button for “Import Data“.



2. Next, enter the name of the Environment where you want to create the users. In this guide, the ENV_TEST Environment will be used for all examples. Also, enter the file path and file name for the import file. Finally, specify the file delimiter.



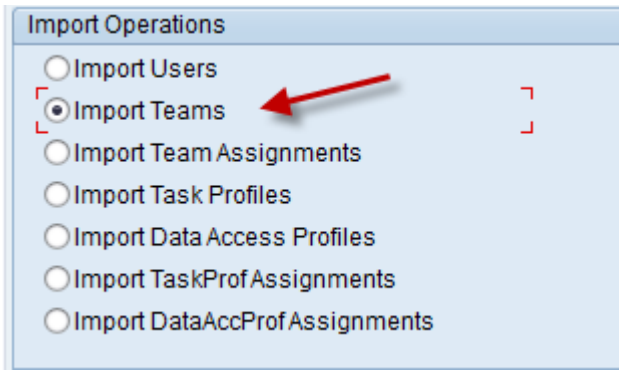
Note: The file must contain the following structure in a comma delimited format:

TEAM_ID	Team ID
DESCRIPTION	Description of the Team

The file structure is exactly the same as what is generated by the export function. An example file might look like the following:

```
ADMINTEAM,Administration Team
ACCTEAM,Accounting Team
```

3. Select the appropriate radio button for “Import Teams”.



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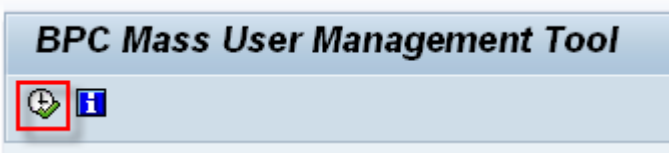
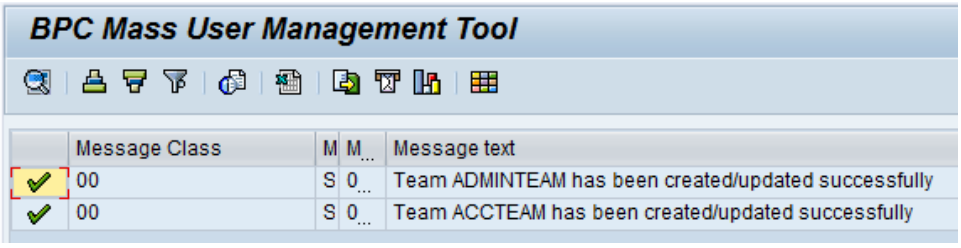
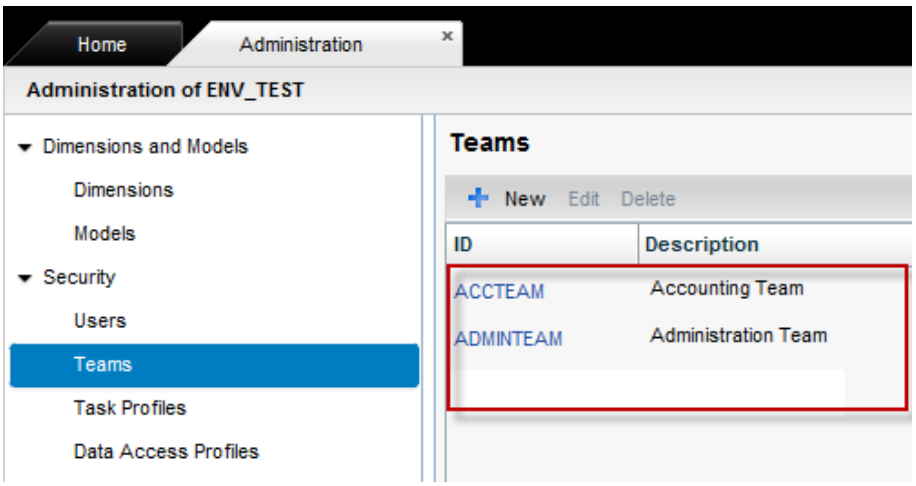
4. To start the process, click the “Execute” button from the application toolbar.



5. The new users are then created for the Environment and a message screen is displayed. This screen will show all associated success and failure messages.



6. The new teams can now be seen from the BPC Administration tab.



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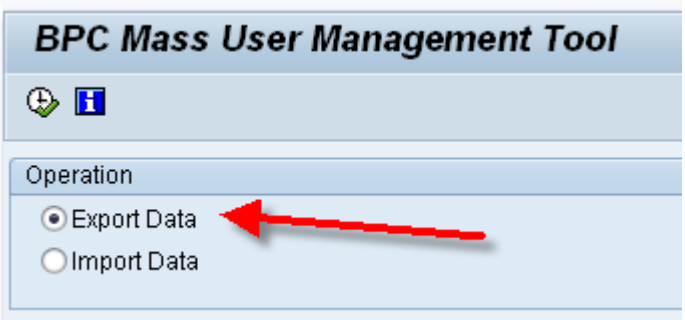
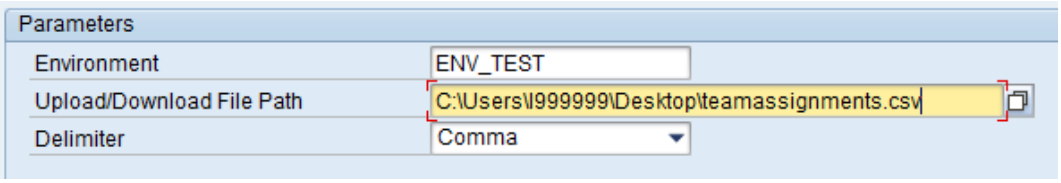
Exporting Team Assignments

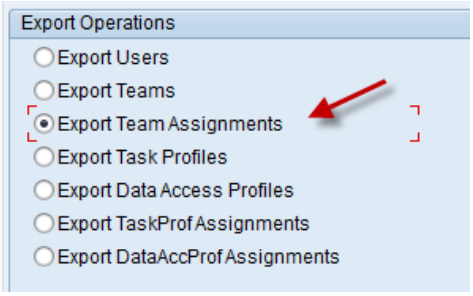
1. From the initial screen, select the appropriate radio button for “Export Data“.



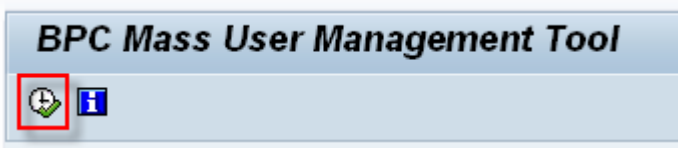
2. Next, enter the name of the Environment which contains the data which is to be exported. In this guide, the ENV_TEST Environment will be used for all examples. Also, enter the file path and file name for the export file. Finally, specify the delimiter.



3. Next, select the appropriate radio button for “Export Team Assignments”.



4. Finally, click the “Execute” button to start the export process.



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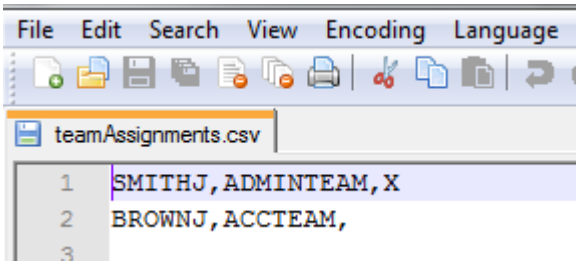
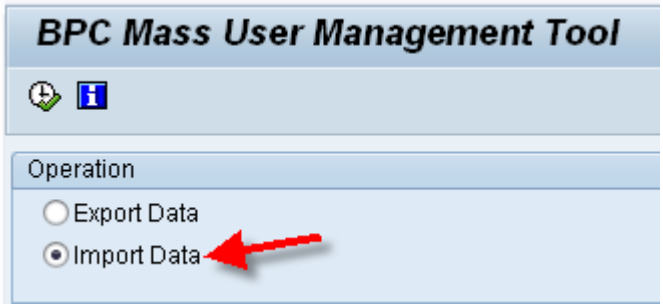
5. The output file is then generated.

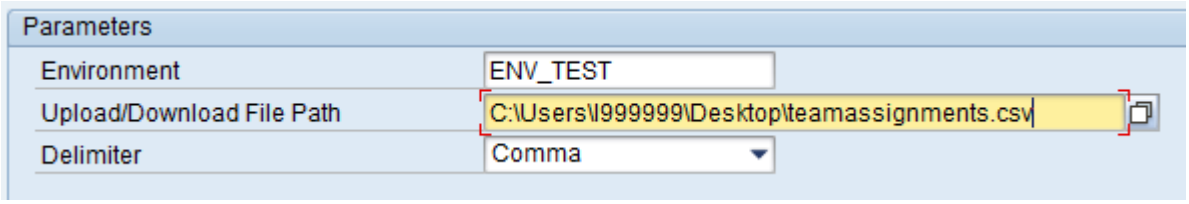


Importing Team Assignments

1. From the initial screen, select the appropriate radio button for “Import Data“.



2. Next, enter the name of the Environment where you want to create the users. In this guide, the ENV_TEST Environment will be used for all examples. Also, enter the file path and file name for the import file. Finally, specify the delimiter.



Note: The file must contain the following structure in a comma delimited format:

USER_ID	User ID
TEAM_ID	Team ID
TEAM_LEADER	Flag User ID as Team Leader(Optional)

The file structure is exactly the same as what is generated by the export function. An example file might look like the following:

```
SMITHJ,ADMINTEAM,X
BROWNJ,ACCTEAM,
```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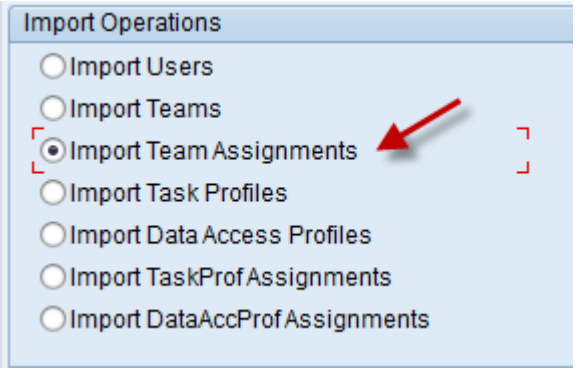
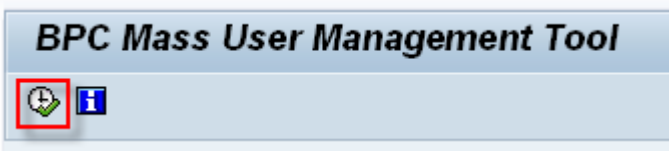
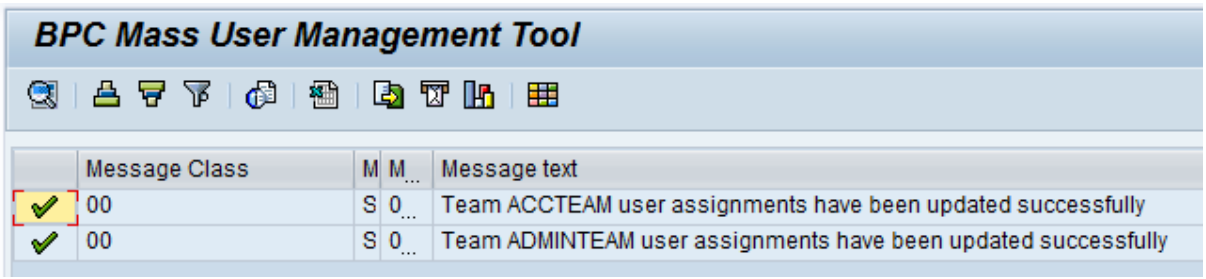
3. Select the appropriate radio button for “Import Team Assignments”.



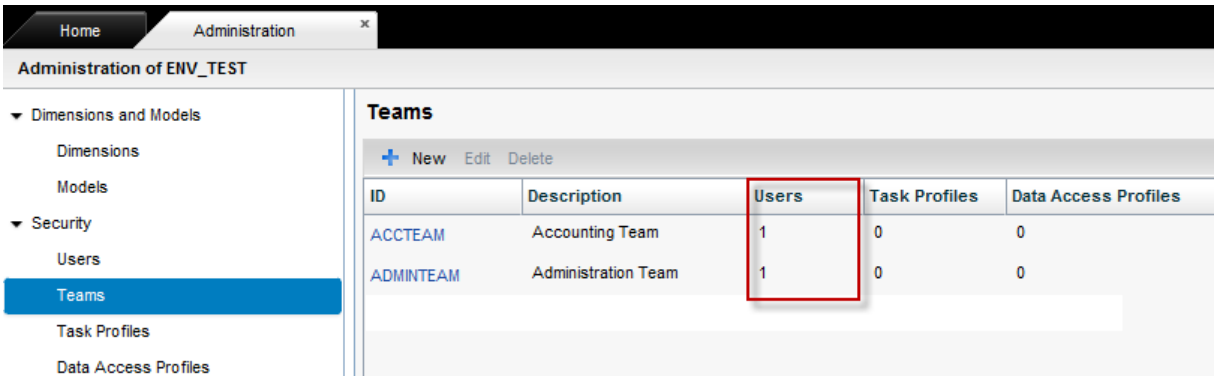
4. To start the process, click the “Execute” button from the application toolbar.



5. The new team user assignments are then updated for the Environment and a message screen is displayed. This screen will show all associated success and failure messages.



6. The new team assignments can now be seen from the BPC Administration tab. Notice the number of users assigned for each team is now 1.



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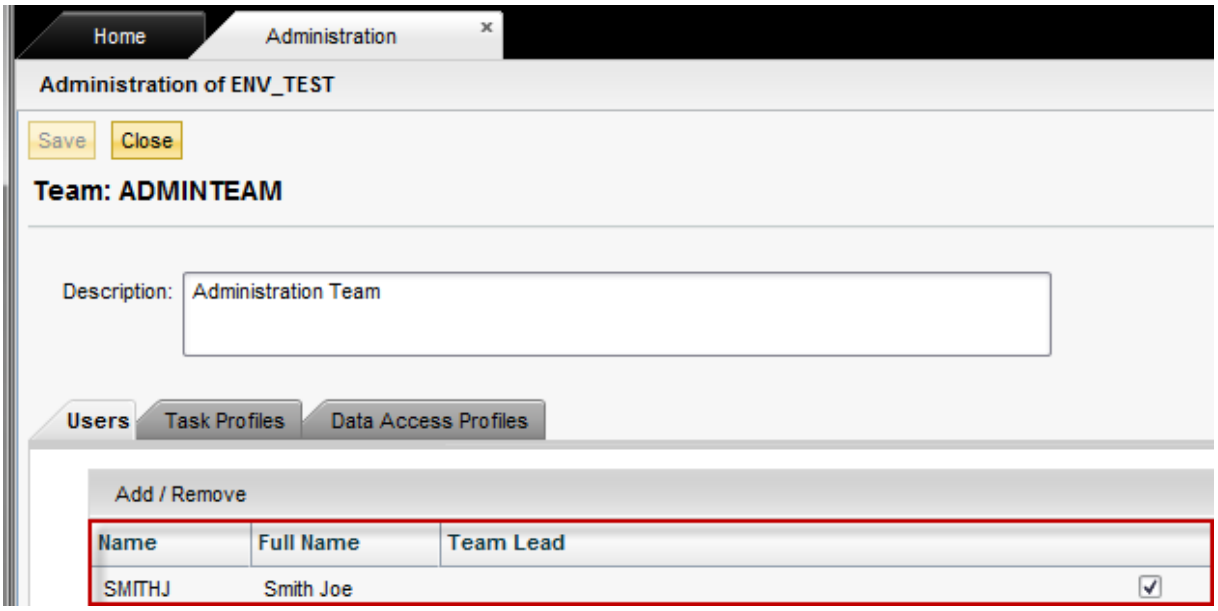
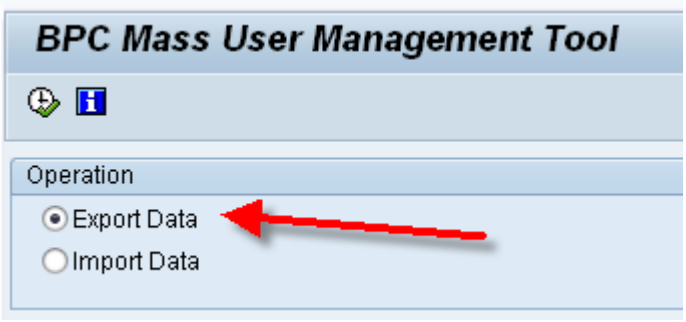
7. You may further investigate the assigned users by selecting the team and clicking “Edit”. The following screen shows the assigned user. Notice that the team leader flag is also checked.

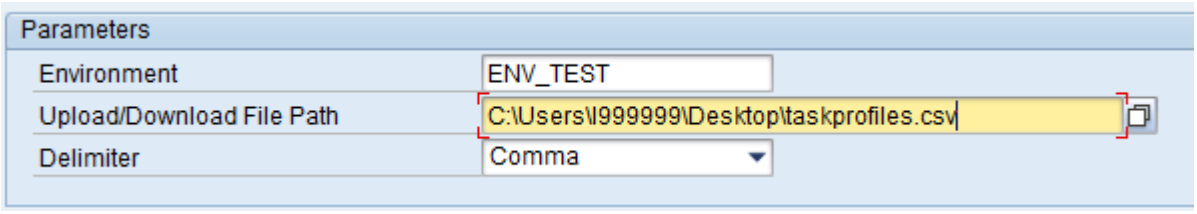


Exporting Task Profiles

1. From the initial screen, select the appropriate radio button for “Export Data“.



2. Next, enter the name of the Environment which contains the data which is to be exported. In this guide, the ENV_TEST Environment will be used for all examples. Also, enter the file path and file name for the export file. Finally, specify the delimiter.



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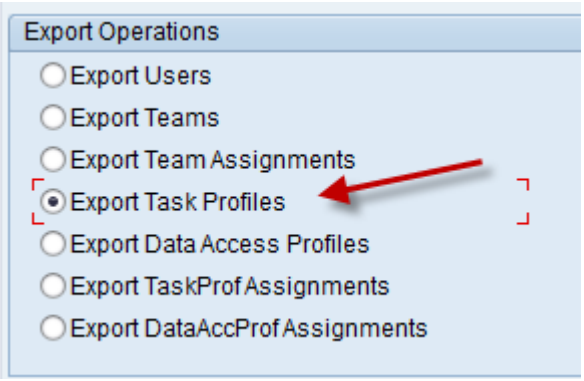
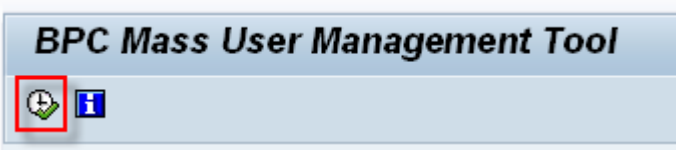
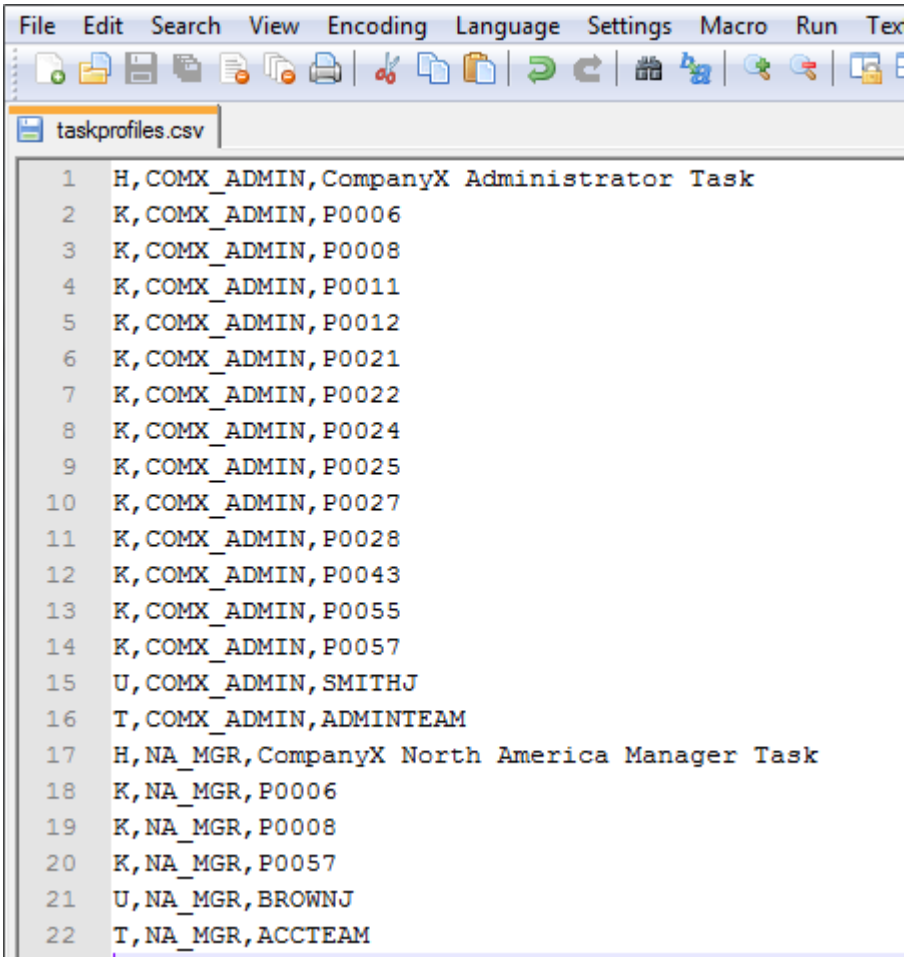
3. Next, select the appropriate radio button for “Export Task Profiles”.



4. Finally, click the “Execute” button to start the export process.



5. The output file is then generated.



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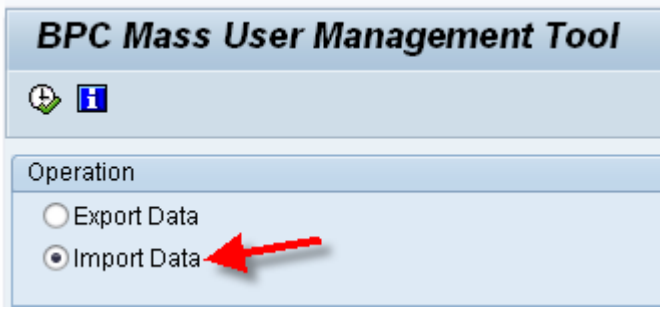
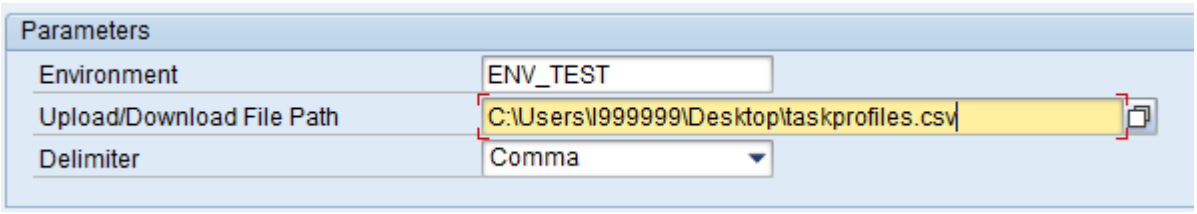
Importing Task Profiles

1. From the initial screen, select the appropriate radio button for “Import Data“.



2. Next, enter the name of the Environment where you want to create the users. In this guide, the ENV_TEST Environment will be used for all examples. Also, enter the file path and file name for the import file. Finally, specify the delimiter.



Note: The file must contain the following structure in a comma delimited format. Since there are multiple sets of data associated with task profiles, the use of record level identifiers is leveraged here. Below are the record identifiers and their descriptions.

Record Identifiers

H	Defines the header level data record
K	Defines the Tasks assigned to the Task Profile
T	Defines the Teams assigned to the Task Profile(Optional)
U	Defines the Users assigned to the Task Profile(Optional)

“H” Record Structure

PROFILE_ID	Task Profile ID
DESCRIPTION	Task Profile Description

“K” Record Structure

PROFILE_ID	Task Profile ID
TASK_ID	Task ID (TASK_IDs found in tables UJE_TASK and UJE_TASKT)

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“T” Record Structure

PROFILE_ID	Task Profile ID
TEAM_ID	Team ID

“U” Record Structure

PROFILE_ID	Task Profile ID
USER_ID	User ID

The file structure is exactly the same as what is generated by the export function. An example file might look like the following:

```
H,COMX_ADMIN,CompanyX Administrator Task
K,COMX_ADMIN,P0006
K,COMX_ADMIN,P0008
K,COMX_ADMIN,P0011
K,COMX_ADMIN,P0012
K,COMX_ADMIN,P0021
K,COMX_ADMIN,P0022
K,COMX_ADMIN,P0024
K,COMX_ADMIN,P0025
K,COMX_ADMIN,P0027
K,COMX_ADMIN,P0028
K,COMX_ADMIN,P0043
K,COMX_ADMIN,P0055
K,COMX_ADMIN,P0057
T,COMX_ADMIN,ADMINTEAM
U,COMX_ADMIN,SMITHJ
H,NA_MGR,CompanyX North America Manager Task
K,NA_MGR,P0006
K,NA_MGR,P0008
K,NA_MGR,P0057
T,NA_MGR,ACCTEAM
U,NA_MGR,BROWNJ
```


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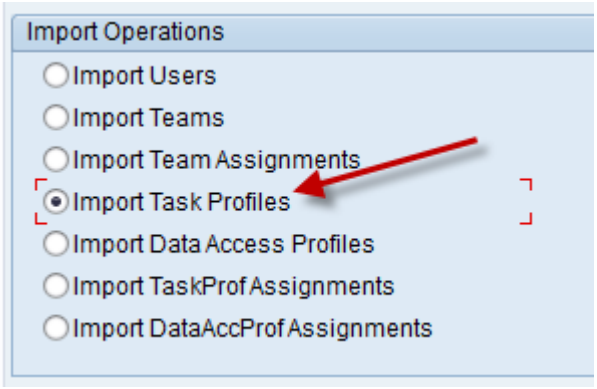
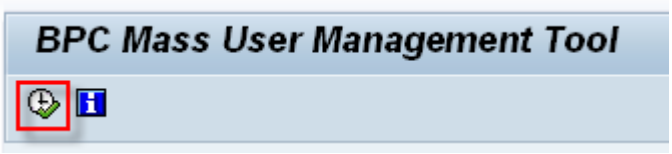
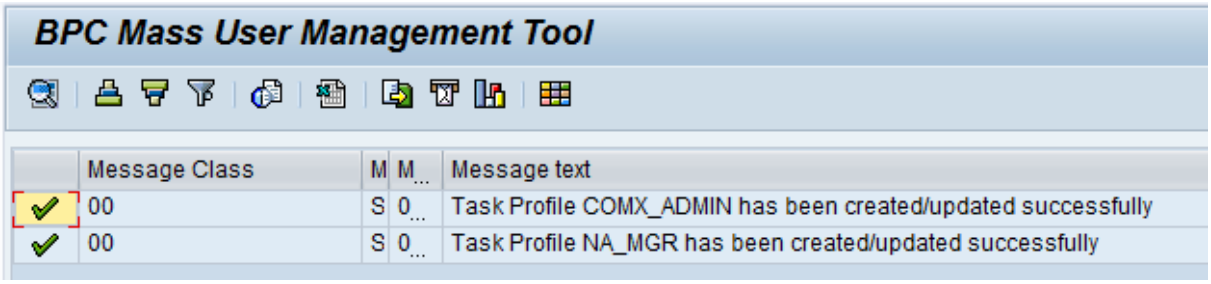
3. Select the appropriate radio button for “Import Task Profiles”.



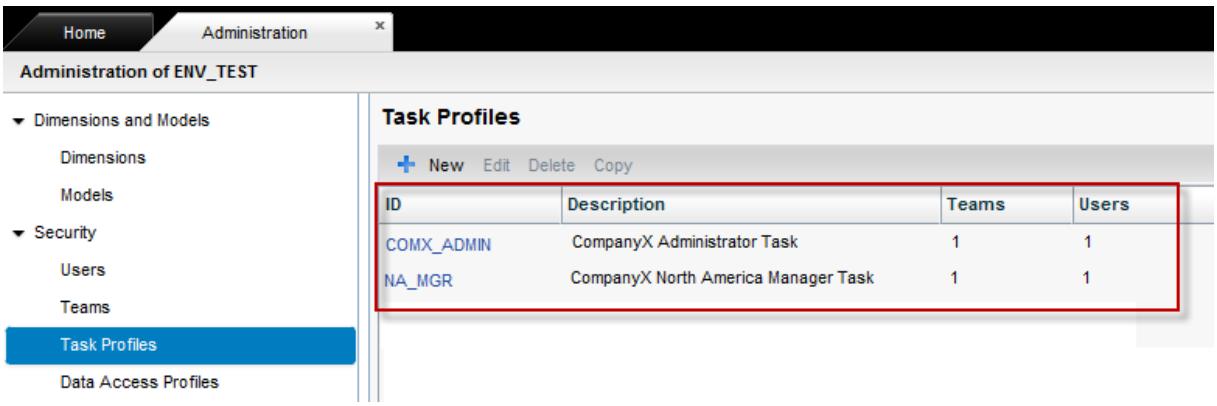
4. To start the process, click the “Execute” button from the application toolbar.



5. The new task profiles are then created for the Environment and a message screen is displayed. This screen will show all associated success and failure messages.



6. The new task profiles can now be seen from the BPC Administration tab. Notice that there are teams and users assigned to the task profiles.



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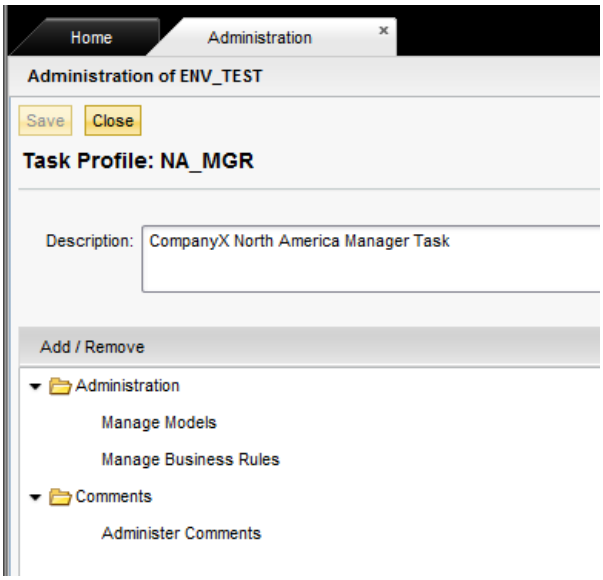
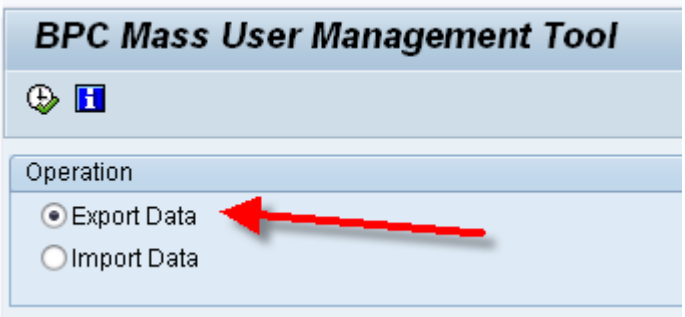
7. Select one of the task profiles and click the “Edit” button. Notice the tasks which are assigned to the profile.

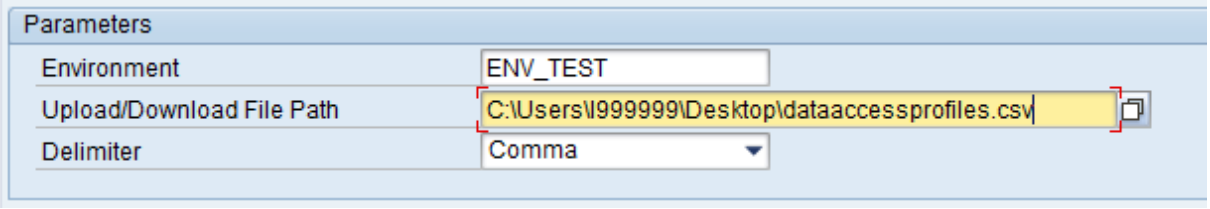


Exporting Data Access Profiles

1. From the initial screen, select the appropriate radio button for “Export Data“.



2. Next, enter the name of the Environment which contains the data which is to be exported. In this guide, the ENV_TEST Environment will be used for all examples. Also, enter the file path and file name for the export file. Finally, specify the delimiter.



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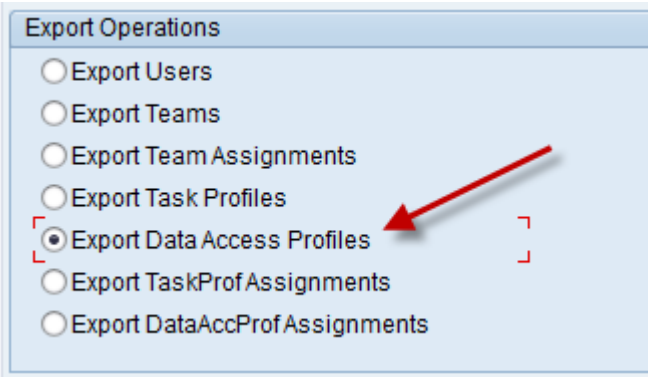
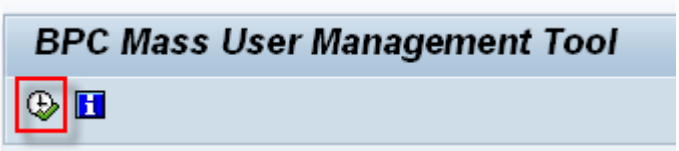
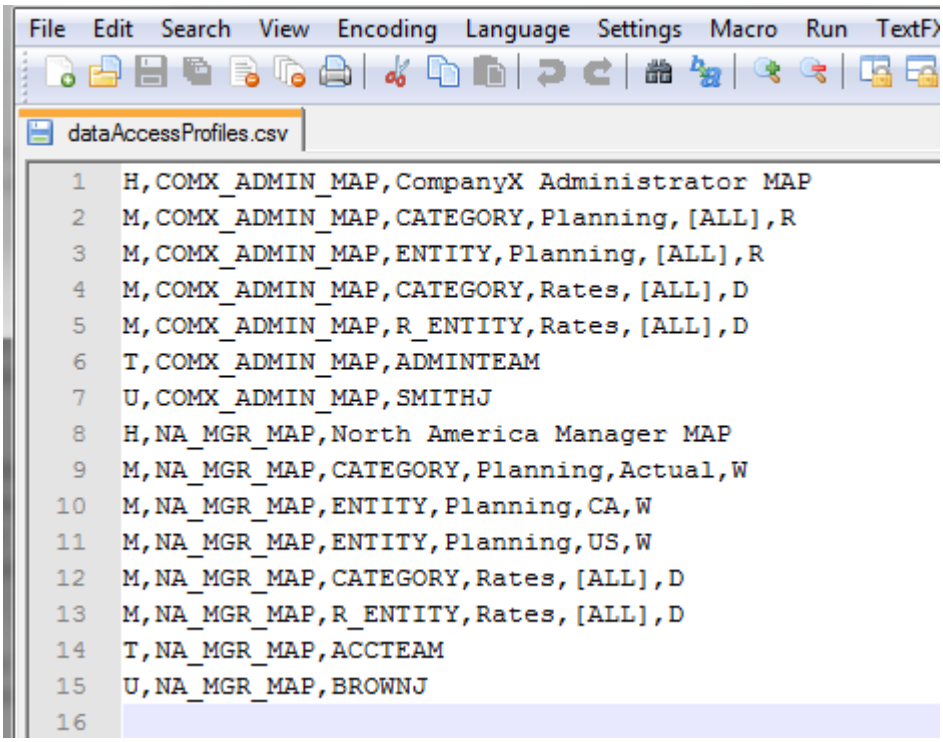
3. Next, select the appropriate radio button for “Export Data Access Profiles”.



4. Finally, click the “Execute” button to start the export process.



5. The output file is then generated.



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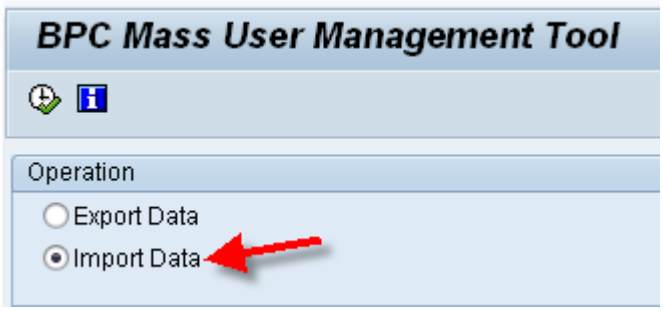
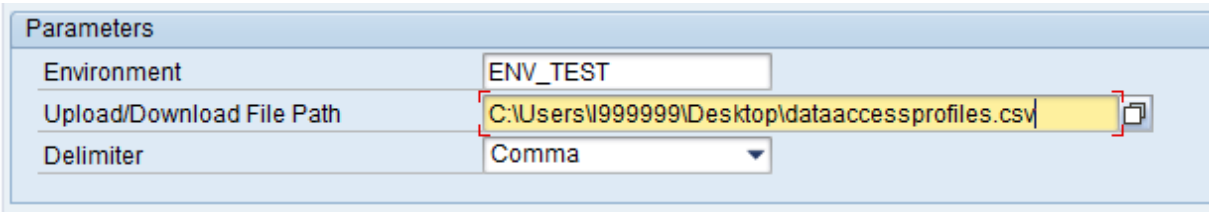
Importing Data Access Profiles

1. From the initial screen, select the appropriate radio button for “Import Data“.



2. Next, enter the name of the Environment where you want to create the users. In this guide, the ENV_TEST Environment will be used for all examples. Also, enter the file path and file name for the import file. Finally, specify the delimiter.



Note: The file must contain the following structure in a comma delimited format. Since there are multiple sets of data associated with data access profiles, the use of record level identifiers is leveraged here. Below are the record identifiers and their descriptions.

Record Identifiers

H	Defines the header level data record
M	Defines the Members assigned to the Data Access Profile
T	Defines the Teams assigned to the Data Access (Optional)
U	Defines the Users assigned to the Data Access (Optional)

“H” Record Structure

PROFILE_ID	Data Access Profile ID
DESCRIPTION	Data Access Profile Description

“M” Record Structure

PROFILE_ID	Data Access Profile ID
DIMENSION	Dimension
APPLICATION_ID	Application ID

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MEMBER	Assigned Member(Can contain [ALL])
READ/WRITE	Read and/or Write Access(R=Read, W=Write, D=Deny)

"T" Record Structure

PROFILE_ID	Data Access Profile ID
TEAM_ID	Team ID

"U" Record Structure

PROFILE_ID	Data Access Profile ID
USER_ID	User ID

The file structure is exactly the same as what is generated by the export function. An example file might look like the following:

```
H,COMX_ADMIN_MAP,CompanyX Administrator MAP
M,COMX_ADMIN_MAP,CATEGORY,Planning,[ALL],R
M,COMX_ADMIN_MAP,ENTITY,Planning,[ALL],R
M,COMX_ADMIN_MAP,CATEGORY,Rates,[ALL],D
M,COMX_ADMIN_MAP,R_ENTITY,Rates,[ALL],D
T,COMX_ADMIN_MAP,ADMINTEAM
U,COMX_ADMIN_MAP,SMITHJ
H,NA_MGR_MAP,North America Manager MAP
M,NA_MGR_MAP,CATEGORY,Planning,Actual,W
M,NA_MGR_MAP,ENTITY,Planning,CA,W
M,NA_MGR_MAP,ENTITY,Planning,US,W
M,NA_MGR_MAP,CATEGORY,Rates,[ALL],D
M,NA_MGR_MAP,R_ENTITY,Rates,[ALL],D
T,NA_MGR_MAP,ACCTEAM
U,NA_MGR_MAP,BROWNJ
```


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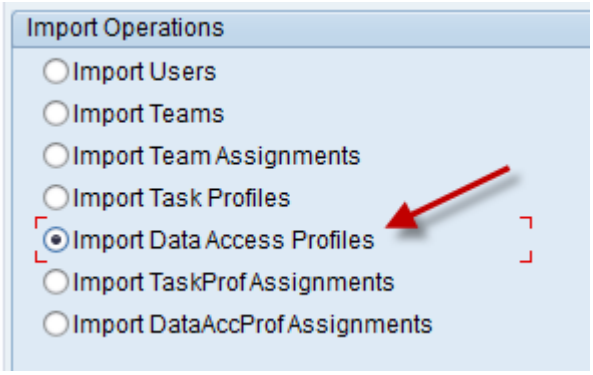
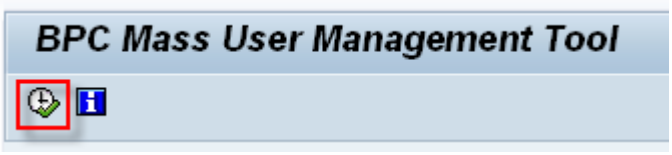
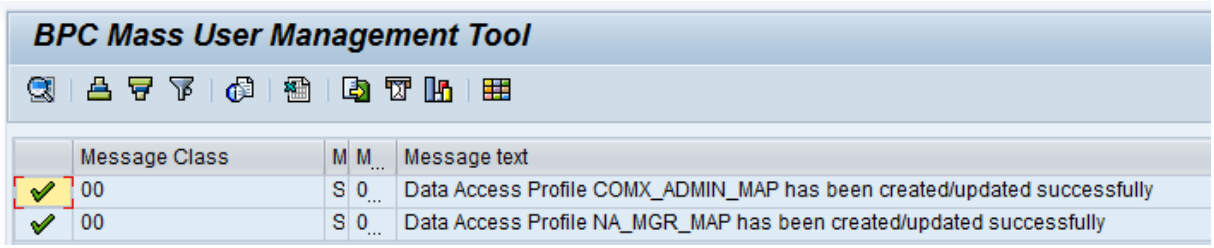
3. Select the appropriate radio button for “Import Data Access Profiles”.



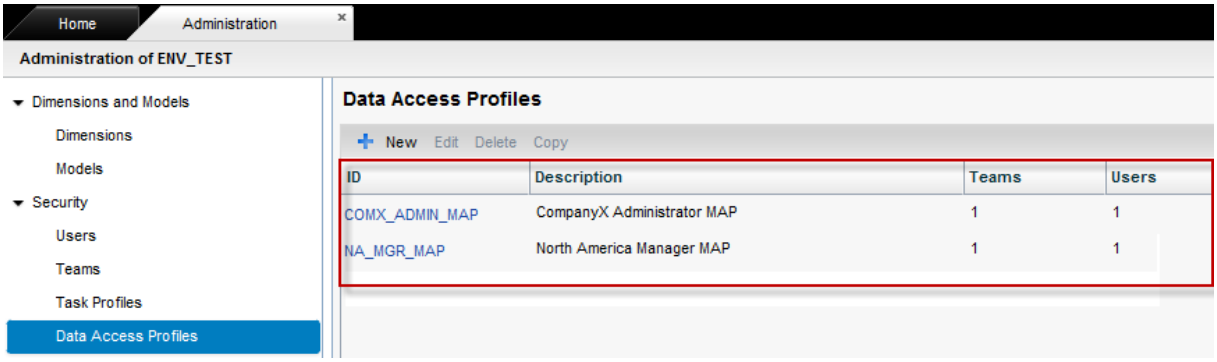
4. To start the process, click the “Execute” button from the application toolbar.



5. The new data access profiles are then created for the Environment and a message screen is displayed. This screen will show all associated success and failure messages.



6. The new data access profiles can now be seen from the BPC Admin Client. Also notice that teams and users have been assigned to these new profiles.



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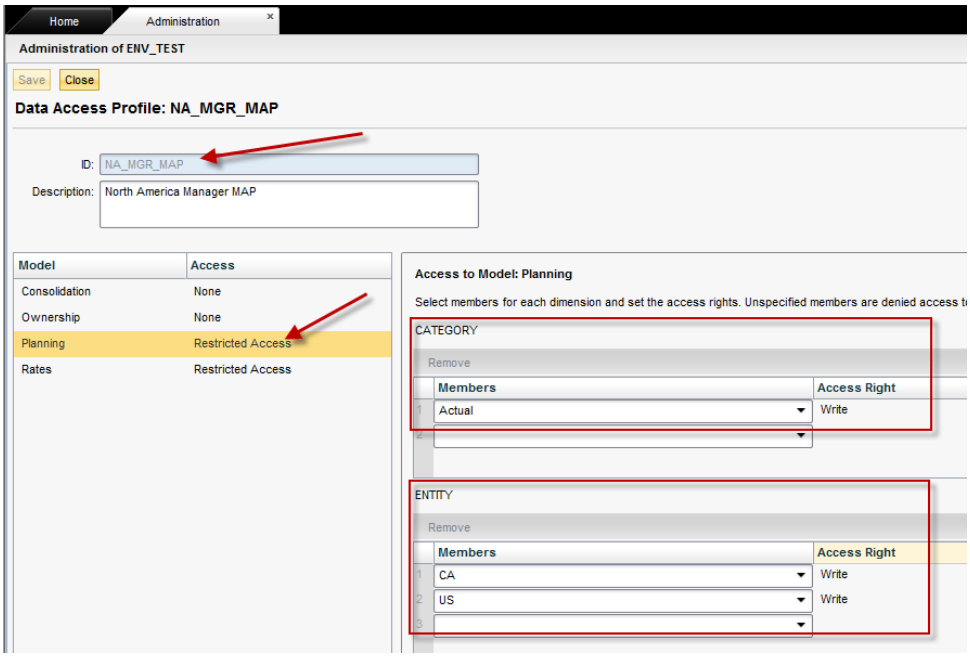
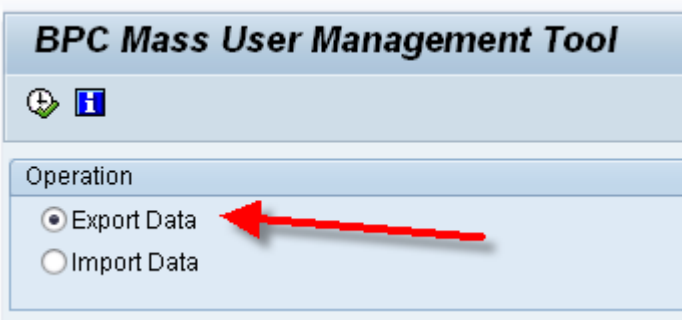
7. Select one of the new data access profiles and click the “Edit” button. Then click on “Planning”. Notice the rights have been assigned accordingly.

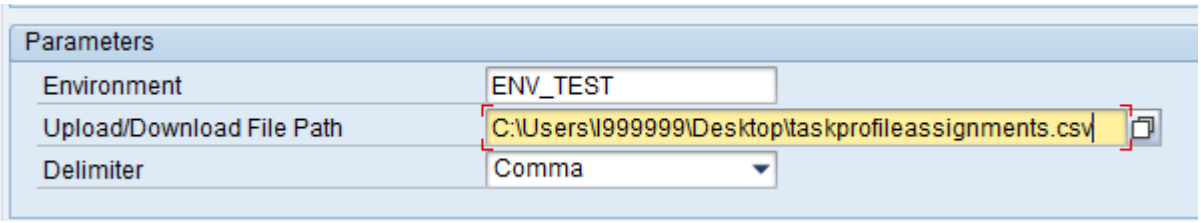


Exporting Task Profile Assignments

1. From the initial screen, select the appropriate radio button for “Export Data“.



2. Next, enter the name of the Environment which contains the data which is to be exported. In this guide, the ENV_TEST Environment will be used for all examples. Also, enter the file path and file name for the export file. Finally, specify the delimiter.



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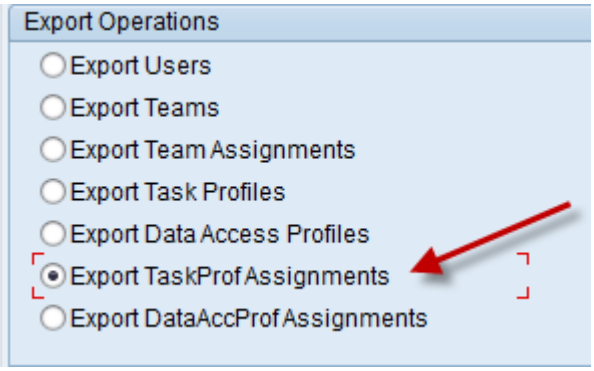
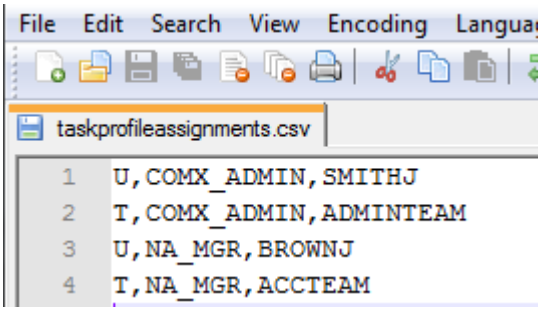
3. Next, select the appropriate radio button for “Export Task Profile Assignments”.



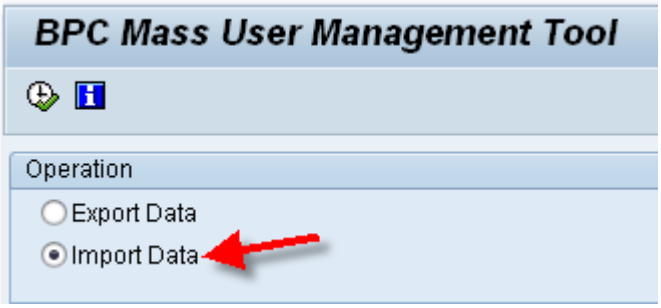
4. Finally, click the “Execute” button to start the export process.

5. The output file is then generated.



Importing Task Profile Assignments

1. From the initial screen, select the appropriate radio button for “Import Data“.



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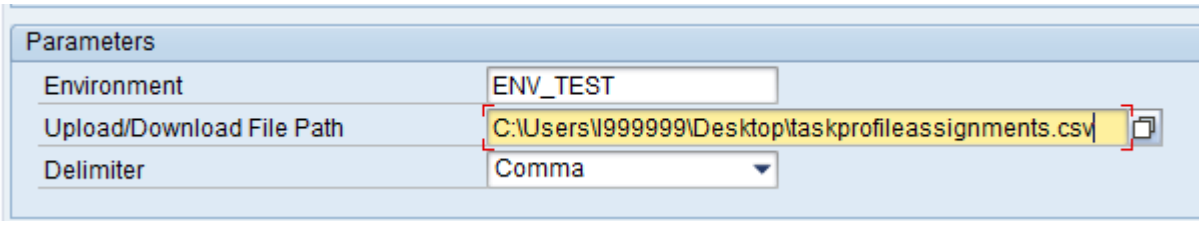
2. Next, enter the name of the Environment where you want to create the users. In this guide, the ENV_TEST Environment will be used for all examples. Also, enter the file path and file name for the import file. Finally, specify the delimiter.



Note: The file must contain the following structure in a comma delimited format. Since there are multiple sets of data associated with task profile assignments, the use of record level identifiers is leveraged here. You can assign both a user and a team to task profiles. Below are the record identifiers and their descriptions.

Record Identifiers

T	Defines the Teams assigned to the Task Profile(Optional)
U	Defines the Users assigned to the Task Profile(Optional)

"T" Record Structure

PROFILE_ID	Task Profile ID
TEAM_ID	Team ID

"U" Record Structure

PROFILE_ID	Task Profile ID
USER_ID	User ID

The file structure is exactly the same as what is generated by the export function. An example file might look like the following:

```
U,COMX_ADMIN,SMITHJ
T,COMX_ADMIN,ADMINTEAM
U,NA_MGR,BROWNJ
T,NA_MGR,ACCTEAM
```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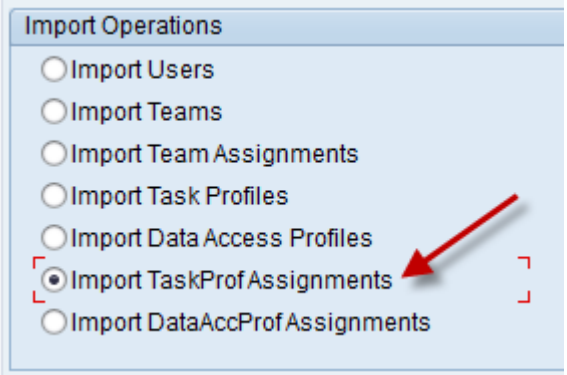
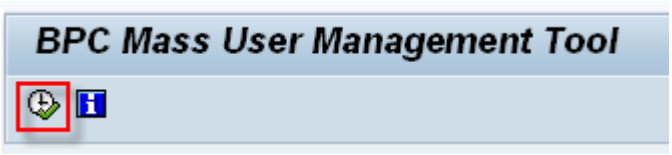
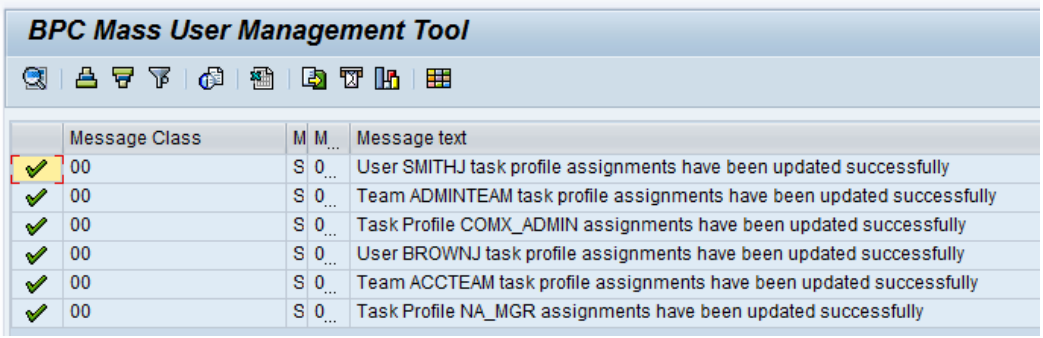
3. Select the appropriate radio button for “Import Task Profile Assignments”.



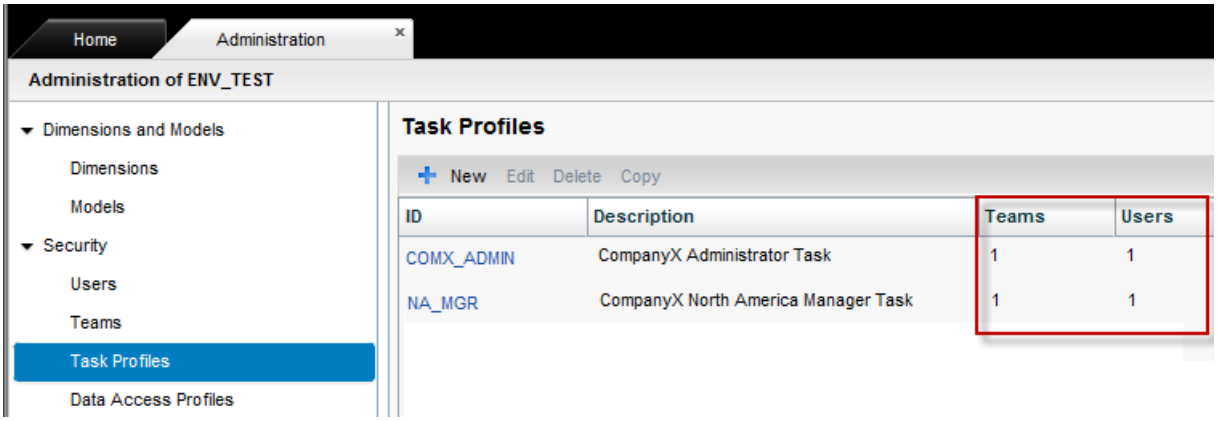
4. To start the process, click the “Execute” button from the application toolbar.



5. The new task profile assignments are then updated for the Environment and a message screen is displayed. This screen will show all associated success and failure messages.



6. The new task profile assignments can now be seen from the BPC Administration tab.



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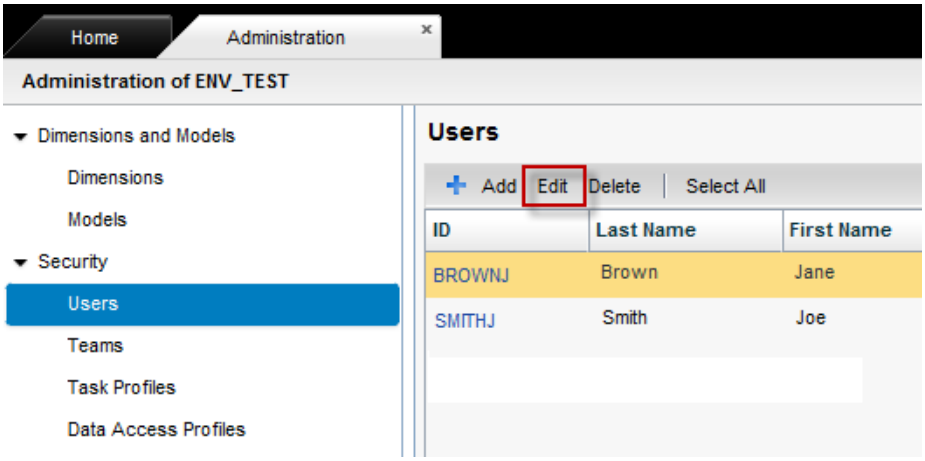
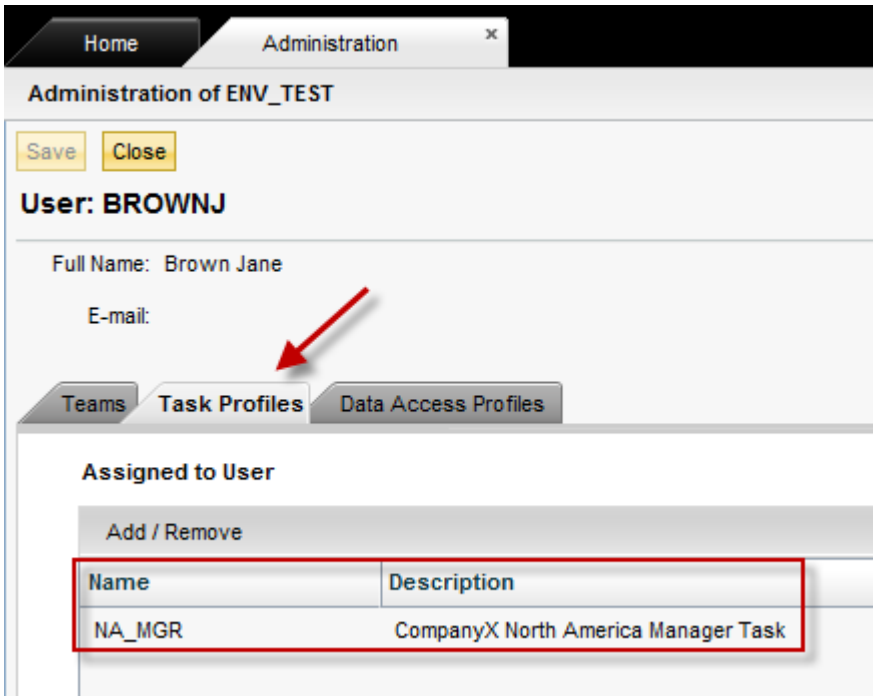
7. Click the “User” link from the left side, then select one of the users and click “Edit”.



8. Click the “Task Profiles” tab. Notice the task profile has been assigned to the user.



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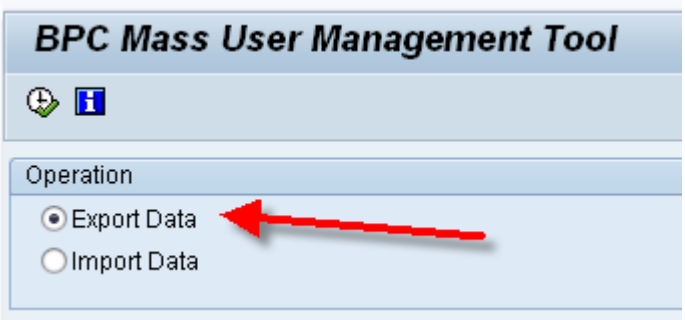
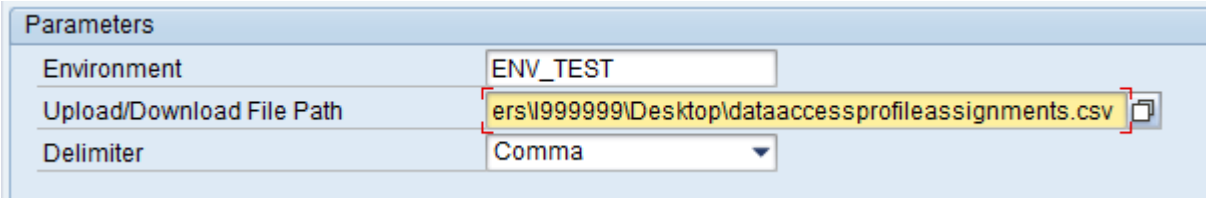
Exporting Data Access Profile Assignments

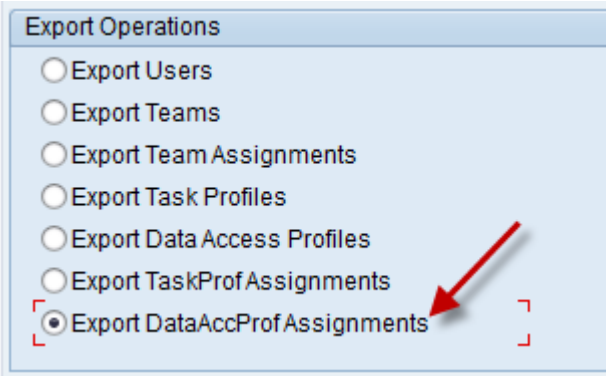
1. From the initial screen, select the appropriate radio button for “Export Data“.



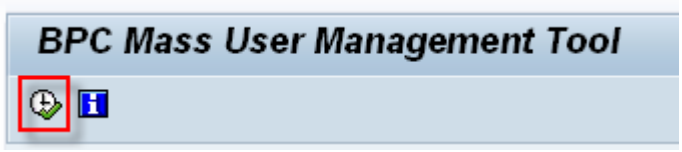
2. Next, enter the name of the Environment which contains the data which is to be exported. In this guide, the ENV_TEST Environment will be used for all examples. Also, enter the file path and file name for the export file. Finally, specify the delimiter.



3. Next, select the appropriate radio button for “Export Data Access Profile Assignments”.



4. Finally, click the “Execute” button to start the export process.



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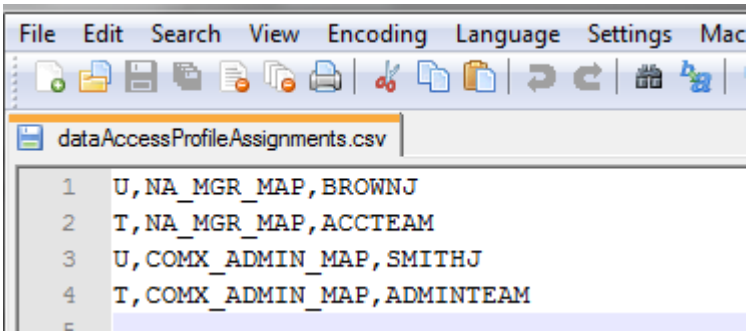
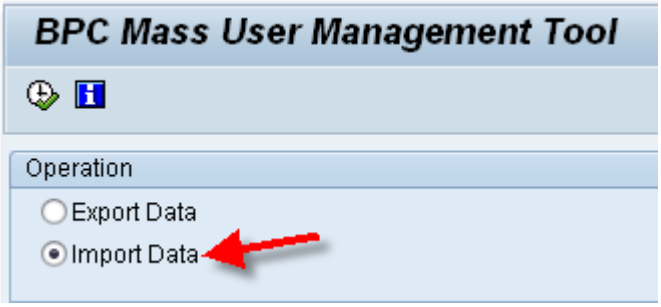
5. The output file is then generated.

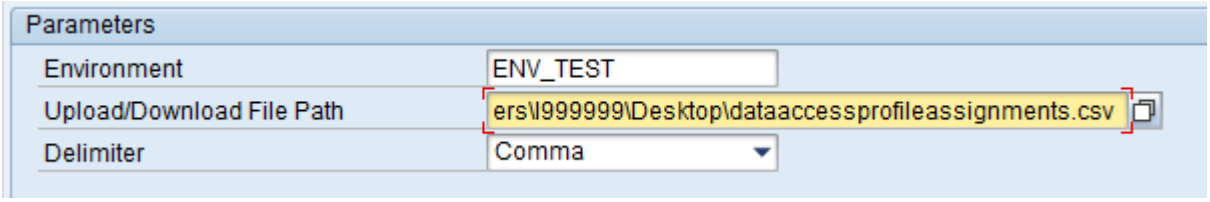


Importing Data Access Profile Assignments

1. From the initial screen, select the appropriate radio button for “Import Data“.



2. Next, enter the name of the Environment where you want to create the users. In this guide, the ENV_TEST Environment will be used for all examples. Also, enter the file path and file name for the import file. Finally, specify the delimiter.



Note: The file must contain the following structure in a comma delimited format. Since there are multiple sets of data associated with data access profile assignments, the use of record level identifiers is leveraged here. You can assign both a user and a team to data access profiles. Below are the record identifiers and their descriptions.

Record Identifiers

T	Defines the Teams assigned to the Data Access Profile(Optional)
U	Defines the Users assigned to the Data Access Profile(Optional)

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"T" Record Structure

PROFILE_ID	Data Access Profile ID
TEAM_ID	Team ID

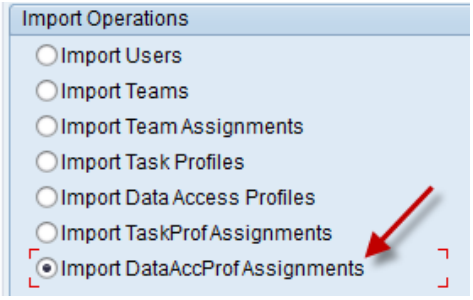
"U" Record Structure

PROFILE_ID	Data Access Profile ID
USER_ID	User ID

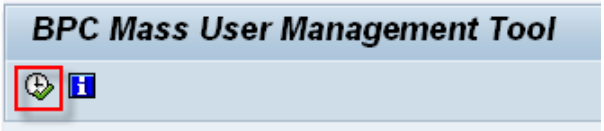
The file structure is exactly the same as what is generated by the export function. An example file might look like the following:

```
U,NA_MGR_MAP,BROWNJ
T,NA_MGR_MAP,ACCTEAM
U,COMX_ADMIN_MAP,SMITHJ
T,COMX_ADMIN_MAP,ADMINTEAM
```

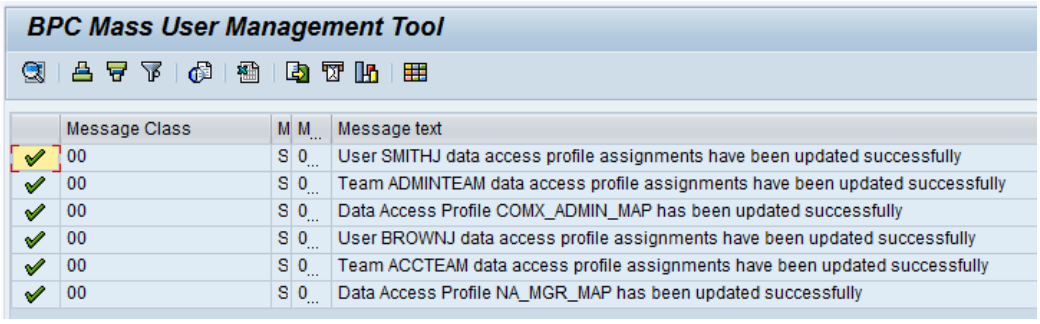
3. Select the appropriate radio button for "Import Data Access Profile Assignments".



4. To start the process, click the "Execute" button from the application toolbar.



5. The new member access profile assignments are then updated for the Environment and a message screen is displayed. This screen will show all associated success and failure messages.



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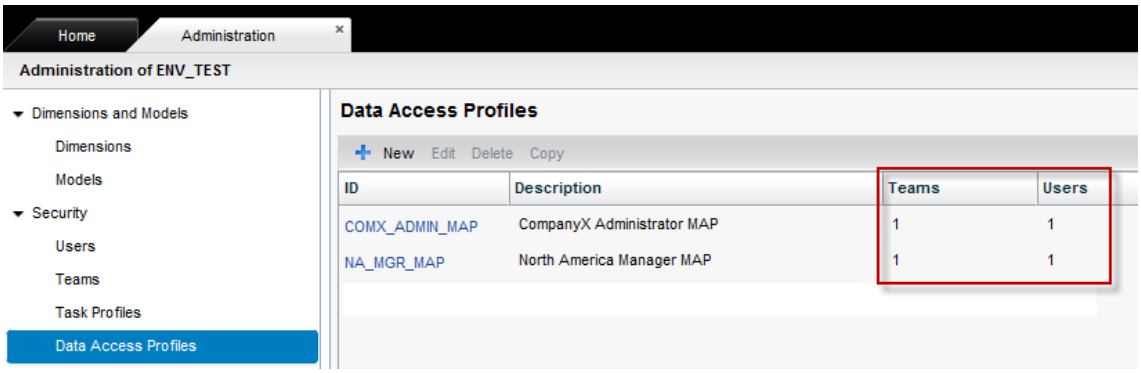
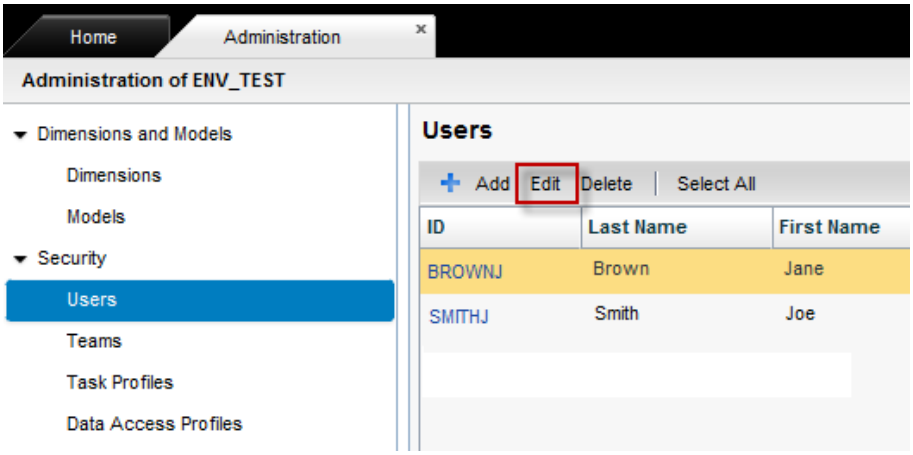
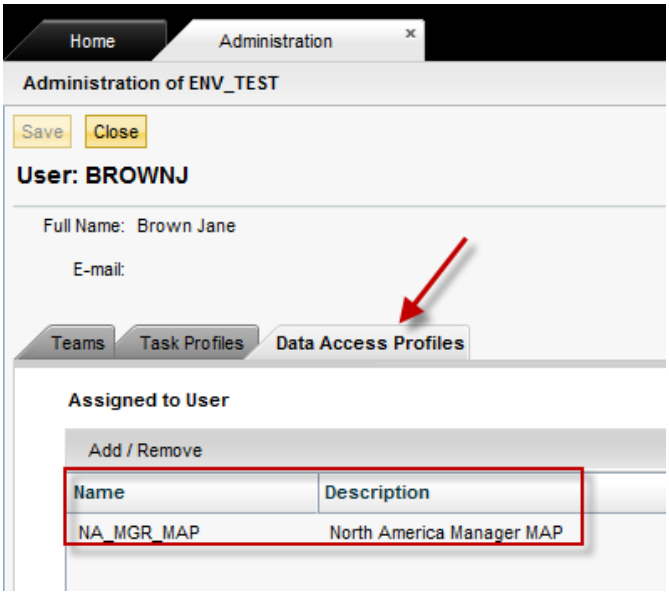
6. The new data access profile assignments can now be seen from the BPC Administration tab.



7. Click the “User” link from the left side, then select one of the users and click “Edit”.



8. Click the “Data Access Profiles” tab. Notice the task profile has been assigned to the user.



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Transport Files

Transport files can be downloaded from the following link:

Transport Files

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How to Use the BPC Mass User Management Tool, for BPC 7.x NW

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