

***Bravura Security Fabric* Implementation:**

Attach other accounts

Hitachi ID Bravura Security Fabric can assign alternate accounts from multiple systems to a single user through a manual process to attach other accounts.

This document contains:

- Requirement
- Solution
- Use case PSL batch loading
- Use case: PSL simplified account attachment
- Use case: PSL advanced account attachment
- Use case: PSL attach account as the help desk user
- Use case: PSL account attachment when account is already assigned

1 Requirement

When employees have account names on systems that do not align with their chosen profile ID, businesses must develop a process to manually associate accounts from those multiple targets with the single user. It is often hard to enforce and track manual procedures without the use of a management system. *Hitachi ID Bravura Security Fabric* offers a range of solutions including automating the process where possible, tracking manual association tasks and enforcing that those manual tasks are completed.

2 Solution

In integrated environments containing many types of targets, more exact control of user accounts may be needed.

When targets are not set to automatically attach accounts during discovery, *Hitachi ID Bravura Security Fabric* allows for user-directed or help desk attachment of accounts to the proper users through the use of the *Attach other accounts* (PSL) module.

3 Use case PSL batch loading

Attaching other accounts can be achieved by use of a text file that maps the accounts to each other. During discovery, a check of the presence of `<instance>\psconfig\malias.txt` will be made and accounts will be attached according to the contents of that file.

Assumptions

This use case assumes that:

- *Hitachi ID Bravura Security Fabric* is installed and includes a *Bravura Pass* license.
- An Active Directory target system is added as a source of profiles.
- A Linux target system is also added that is not a source of user profiles and does not automatically attach accounts.

For this demonstration, we will be assigning the `linuxtest1` account from the Linux target to the user `abby0000` from the AD target.

Account entries in the `malias.txt` file must be made in the following format:

`"<Target system ID>" "<Login ID>" "<Profile ID>"`

So, for this demonstration, enter the following into the text file:

```
"AD" "abby0000" "abby0000"
"LINUX" "linuxtest1" "abby0000"
```

Attach using text file

1. Log in to the instance server as an administrator.
2. Navigate to the `\<instance>\psconfig\` directory.
3. Open a text editor and enter the account entries described above.
4. Save the file as `<instance>\psconfig\malias.txt`.

5. Log in to the *Hitachi ID Bravura Security Fabric* server as a superuser.
6. Navigate to **Manage the system** → **Maintenance** → **Auto discovery** → **Execute auto discovery**.
7. Click the **Continue** button and wait until discovery is completed.
8. Log into *Bravura Security Fabric* as abby0000.
9. Click **Attach other accounts**.
10. Confirm that linuxtest1 has been added to attached accounts and the proper Linux target is specified.

Attach other accounts

Accounts Abby A Norton [abbie]


Accounts attached to this profile:

Account	Target system
AD\abbie	AD
centos	linux

Please enter login IDs and passwords for other accounts, to attach them to your profile.

Account	Password
<input type="text"/>	<input type="password"/>
<input type="text"/>	<input type="password"/>
<input type="text"/>	<input type="password"/>

Attach

11. Return to the main user page by clicking the Home  icon.
12. Click **Change passwords**.
13. Specify a new password and confirm. Click **Change passwords** to proceed.
14. Verify that both passwords on the AD and Linux target are changed.
15. Log in to Linux as `linuxtest1` to confirm that the password has been changed.

Now we will use the help desk user to detach the linuxtest1 account to set up the next demonstration.

Detach account

1. Log into *Hitachi ID Bravura Security Fabric* as the help desk user.
2. Click **Help users**.

- Find and select abby0000.
- Click **Skip authentication** when prompted for a security question and click **Continue**.
- Click the **Attach other accounts** tab.
- Click the checkbox next to linuxtest1 to detach the account.

Help users

Change passwords Profile status Security questions **Attach other accounts** View and update profile Operation history

Accounts Abby A Norton [abbyiel]

Detach?	Target system	Account	Account still exists?
<input type="checkbox"/>	AD	AD\abbyiel	Yes
<input checked="" type="checkbox"/>	linux	centos	Yes
	linux		

Update

- Click **Update**.
- Confirm that linuxtest1 is no longer attached to abby0000.

4 Use case: PSL simplified account attachment

This scenario will demonstrate the attachment of an account from the Linux system to an existing Active Directory account using the PSL simplified mode. Unlike the advanced mode that you will see in a future lab, the simplified mode does not require information about the target for the attached account to proceed.

Assumptions

This use case assumes that:

- An Active Directory target system is added as a source of profiles.
- A Linux target system is also added that is not a source of user profiles and does not automatically attach accounts.

Configuration

- Log in to *Bravura Security Fabric* as `superuser`.
- Navigate to **Manage the system** → **Modules** → **Attach other accounts (PSL)**.
- Ensure that **PSL ENABLED** and **PSL SIMPLIFIED** are set to Enabled.
- Click **Update** if any changes are made to the settings.

For this demonstration, a user with an AD account named abby0000 will add an account named linuxtest1 on the Linux system to their attached accounts. The account will then be detached by the help desk user to reset for the next use case.

Attach in simple mode

1. Log into *Hitachi ID Bravura Security Fabric* as abby0000.
2. Click **Attach other accounts**.
3. Enter linuxtest1 and the current password in the **Account** and **Password** fields.
4. Click **Attach**.
5. Confirm that linuxtest1 has been added to attached accounts and the proper Linux target is specified.

Attach other accounts

Accounts Abby A Norton [abbieI]

Accounts attached to this profile:

Account	Target system
AD\abbieI	AD
centos	linux

Please enter login IDs and passwords for other accounts, to attach them to your profile.

Account	Password
<input type="text"/>	<input type="password"/>
<input type="text"/>	<input type="password"/>
<input type="text"/>	<input type="password"/>

Attach

6. Return to the main user page by clicking the Home icon.
7. Click **Change passwords**.
8. Enter a new password and confirm. Click **Change passwords** to proceed.
9. Verify that both passwords on the AD and Linux target are changed.
10. Log into Linux as linuxtest1 to confirm that the password has been changed.

Detach account

1. Log into *Hitachi ID Bravura Security Fabric* as the help desk user.

2. Click the **Help users**.
3. Find and select abby0000.
4. Click **Skip authentication** when prompted for a security question.
5. Click the **Attach other accounts** tab.
6. Click the checkbox next to linuxtest1 to detach the account.
7. Click **Update**.
8. Confirm that linuxtest1 is no longer attached to abby0000.

5 Use case: PSL advanced account attachment

This scenario will demonstrate the attachment of an account from the Linux system to an existing Active Directory account using the PSL advanced mode. Once again, the linuxtest1 account will be detached from abby0000 for the next demonstration.

Assumptions

This use case assumes that:

- An Active Directory target system is added as a source of profiles.
- A Linux target system is also added that is not a source of user profiles and does not automatically attach accounts.

Configuration

1. Log into the *Hitachi ID Bravura Security Fabric* server as a `superuser`.
2. Navigate to **Manage the system** → **Modules** → **Attach other accounts (PSL)**.
3. Ensure that **PSL ENABLED** is turned on.
4. Set **PSL SIMPLIFIED** to disabled.
5. Click the **Update** button.

Method of Use

Now the demonstration will use the advanced mode to attach the same linuxtest1 account to abby0000.

Attach in advanced mode

1. Log into *Hitachi ID Bravura Security Fabric* as abby0000.
2. Click **Attach other accounts**.
3. Notice that the Linux target is now specified. Enter linuxtest1 and the password into the **Account** and **Password** fields for the Linux target row.


Attach other accounts

Accounts Abby A Norton [abbyiel]

Please enter login ID / password combinations to attach additional accounts to your profile.

Target system	Account	Password
AD	AD\abbyiel	
AD	<input type="text"/>	<input type="password"/>
linux	<input type="text"/>	<input type="password"/>

Update

4. Click **Update**.
5. Confirm that linuxtest1 has been added to attached accounts and the proper Linux target is specified.
6. Return to the main user page by clicking the Home  icon.
7. Click **Change passwords**.
8. Enter a new password and confirm. Click **Change passwords** to proceed.
9. Verify that both passwords on the AD and Linux target are changed.
10. Log into Linux as linuxtest1 to confirm that the password has been changed.

Detach account

1. Log into *Hitachi ID Bravura Security Fabric* as the help desk user.
2. Click the **Help users**.
3. Find and select abby0000.
4. Click **Skip authentication** when prompted for a security question.
5. Click the **Attach other accounts** tab.
6. Click the checkbox next to linuxtest1 to detach the account.
7. Click **Update**.
8. Confirm that linuxtest1 is no longer attached to abby0000.

6 Use case: PSL attach account as the help desk user

In this scenario, we will use the help desk user to attach the linuxtest1 account to abby0000. The account will remain attached for the following demonstration.

Attach account

1. Log into *Hitachi ID Bravura Security Fabric* as the help desk user.
2. Click **Help users**.
3. Find and select abby0000.
4. Click **Skip authentication** when prompted for a security question.
5. Click the **Attach other accounts** tab.
6. Enter linuxtest1 in the **Account** field for the Linux target row.
7. Click **Update**.
8. Confirm that linuxtest1 is now attached to abby0000.

7 Use case: PSL account attachment when account is already assigned

Next, we will see what happens if we assign the linuxtest1 account to user adam0000 while it has already been attached to abby0000.

Attempt to attach an assigned account

1. Log into *Hitachi ID Bravura Security Fabric* as adam0000.
2. Click **Attach other accounts**.
3. Enter linuxtest1 and the password in the **Account** and **Password** fields for the Linux target row.
4. Click **Update**.
5. Verify that the attempt to attach the account fails with the following message:
`Account linuxtest1 on linux is already attached to someone else.`