

***Bravura Security Fabric* Implementation:**

Language Pack Installation

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1 Requirement

To maximize usability and the user experience, organizations require the ability to change the language of the user interface to suit local users' needs.

2 Solution

The entire *Hitachi ID Bravura Security Fabric* user interface supports internationalization. You can add new skins that use other languages besides American English, including non-roman character based languages such as Traditional Chinese. Language packs (translated skins) are available from Hitachi ID Systems, or you can provide your own translations.

Note: Language pack availability may vary from release to release. For more information about language packs contact your Hitachi ID Systems Account Representative.

Note: The *Bravura Security Fabric* interface uses UTF-8 encoding. When modifying language packs, ensure that your editing tool is set to use UTF-8 encoding.

3 Use Case: Installing a language pack

This use case shows you how to install a default skin for Spanish.

This use case assumes:

- *Hitachi ID Bravura Security Fabric* and *Hitachi ID Connector Pack* are installed.
- An Active Directory target system is added as a source of profiles.
- You have obtained a language pack from Hitachi ID Systems.

Steps

To install the language pack:

1. Copy the following files to the `\<instance>\design\src\common\` directory:

```
es-es-language.kvg
es-es-errmsg.kvg
```

2. Start an administrative command prompt and go to the `\<instance>\design\` directory.
3. Run the following commands:

```
make.bat default es-es
make.bat install default es-es
```

Note: This process can take several minutes in 12.2.4.

4. Navigate to the `\<instance>\skin\default\` directory for your instance:

The language skin files are installed to their own `<lang>-<locale>` directory within the `\<instance>\skin\` directory. The skin name and the language code match the directory names where the skin and language are installed; `\<instance>\skin\default\es-es\`.

5. Open a new tab in a web browser and go to the following URL:

```
http://localhost/default/es-es
```

6. Log in to *Bravura Security Fabric* as `<user>`.

Hitachi ID Systems ships skins that are translated by professional native-speaking translators. The translation for skins is done for minimum end user text – only text that end users would commonly see. For shipped skins this is done to save costs for customers.

Note: When the new skins are generated, `make.bat` reports all tags missing from the foreign language file. The en-us language tags are used as a set of defaults to fall back on. If a tag exists in the en-us language file and is missing or undefined in the foreign language files, the value of the corresponding en-us language tag is used instead.

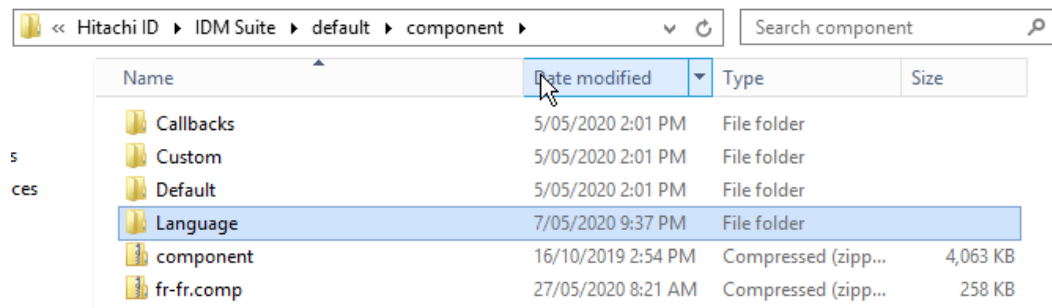
7. Click through some of the links on the Front-end (PSF) menu page and observe the translated content.
8. Select the user login menu in the top right corner to view the languages available.

4 Installing language packs for component files

Components may contain user interface text and error message text that may require translating into other languages.

To install language pack for component files:

1. Obtain the necessary `<lang>-<locale>.<comp>.zip` file from Hitachi ID Systems.
2. Place the `<lang>-<locale>.<version>.zip` file in the `\<instance>\component\` directory and unzip it.
Verify that language pack source files are correctly placed in the `\<instance>\component\Language\` directory.



The structure must mirror the component repositories, but each component folder needs to only contain the KVG files.

3. Load the component files and generate the new skin files for the language.

From the `\<instance>\script\` directory, run the following command:

```
manage_components.py load --patch
```

This process can take some time. The `manage_components.py` script loads the component files and generates skin files for them.

4. Close browsers if you have them open and then re-open them to test the changes.

If you do not see changes as expected, try clearing the browser cache before re-opening the browser.

Note: When the new skins are generated, the en-us language tags are used as a set of defaults to fall back on. If a tag exists in the en-us language file and is missing or undefined in the foreign language files, the value of the corresponding en-us language tag is used instead.

See also:

For more detailed information about customizing the user interface see the [Bravura Security Fabric Documentation](#).