

- This image provides the opportunity to have hands-on experience with IBM z/OS Connect. Areas covered included:
 - Developing and deploying IBM z/OS Connect artifacts for accessing z/OS resources or developing application to access remote APIs from z/OS application using z/OS Connects API requester tooling.
 - Exercises for generating OpenAPI 2 specification documents are available at URL <https://ibm.box.com/v/WSC-OpenAPI2>
 - Exercises for consuming OpenAPI 3 specification documents are available at URL <https://ibm.box.com/v/WSC-OpenAPI3>
 - Developing z/OS applications that can access remote APIs running on other platforms.
 - The exercises for the developing of z/OS Connect API Requester applications s are available at URL <https://ibm.box.com/v/WSC-APIRequester>
 - Performing some basic system and security administrator security tasks.
 - The exercises related to the administration and security of z/OS Connect servers are available at URL <https://ibm.box.com/v/WSC-AdminSecurity>

These exercises can be downloaded from these URLs to your local image. Be sure that also download the corresponding copy/paste file at the same site and copy it to your zVA image or to your local desktop.

Note that these URLs are may not be accessible from the zVA image itself, in that case, they must be accessed from your local images.

Each of these URLs contain exercises that can be performed using this image. Note that the exercises for the non-administration/security exercises can be performed in any sequence. For the administration/security exercises you have a choice to make. You can either start with exercises *zCEE Customization Basic Configuration(1of2)* and *zCEE Customization Basic Security(2of2)* (performed in this order) *or* start with exercise *zOSSEC1 Quick Start*. At the completion of either of these sets of exercises, a basic z/OS Connect server with SAF security enabled. This is required to complete the remaining exercises.

- Below is section entitled ***Personal Communication Tips***. Review this section before performing any steps involving 3270 access to TSO or CICS. This document includes important information such as key mappings for the 3270 **Enter** and **Clear** keys.
- Credential passwords. At various times you will be required to enter a password. The passwords for the identities are:
 - ***USER1*** is the password for identity *USER1* (USER1 is a RACF identity)
 - ***fredpwd*** is the password for *Fred* (Fred is not a RACF identity and case matters) in the developing API exercises. For the security exercises, the password for *Fred* is ***Fred***.
- ***Please do not shut Windows down, just close the session or disconnect from the remote desktop.***

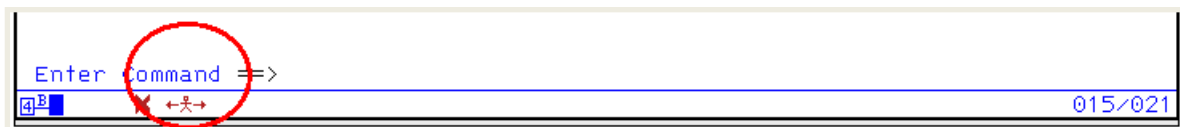
Personal Communications Tips

The 3270-terminal sessions and OMVS screen shots in these exercises are shown in reverse video simply for printing purposes.

- The 3270-emulator used for this workshop (IBM Personal Communication) maps the 3270 enter key to the right **Ctrl** key (see below). Any references to the *Enter* key in non-3270 windows, OMVS terminal session, etc. refers to the key labeled *Enter* on the keyboard.



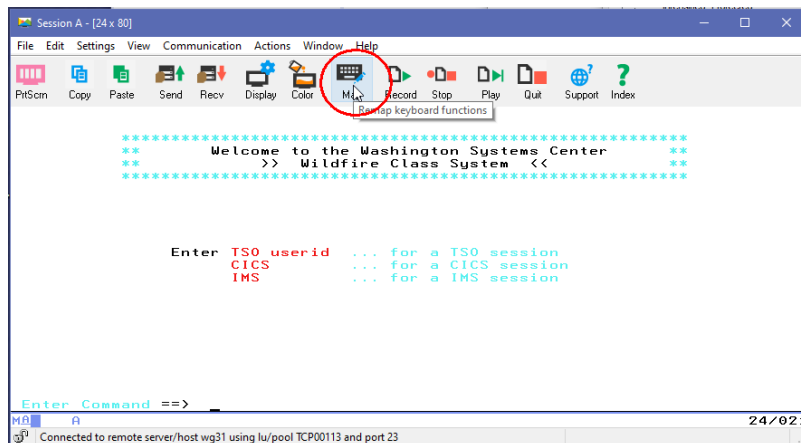
- Which key clears a 3270 screen depends on which method is used to access the Windows desktop. The clear action is mapped to the **Pause** key. If this does not work, try a **Shift-Pause** or a left **Ctrl-Pause** key sequence.
- z/OS Updates Different 3270-terminal emulators will display an icon like the *Personal Communications* icon below at the bottom of the screen when the keyboard is locked. If this occurs use the *left-Ctrl* key to reset or free the keyboard.



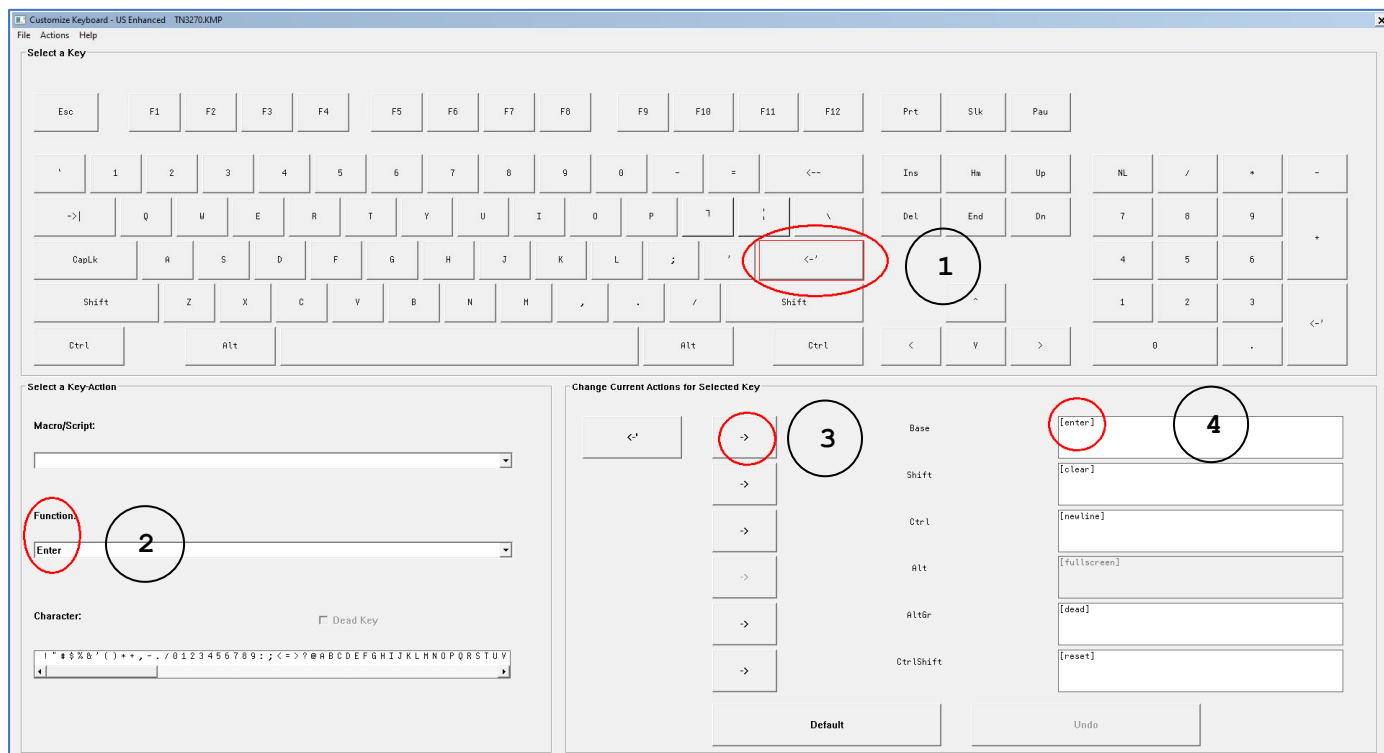
- In this emulator the **Pause** key is mapped to the clear function. If your laptop has a **Pause** key use it to clear the screen. For newer laptops without a **Pause** key, use the key sequence **Fn-P** to clear the screen. If none of these works, try a **Break** key or an **Alt-C** key sequence.

Configuring the Keyboard with Mac keyboards

- To reconfigure the IBM Personal Communications keyboard when using a Mac keyboard, click on *View* on the tool bar and select the **Tool Bar** option. Next click on the *Remap Keyboard functions* icon (see below)



- To set the **Return** key to perform the *enter* function, click on the **Return** (1) key, use the pull down arrow to select *Enter* from the function list menu (2), and then in the *Change Current Actions for Selected Key* section, click on the arrow to the left of *Base* (3) to set the default function of pressing the **Return** key to *[enter]* (refer to the picture below).

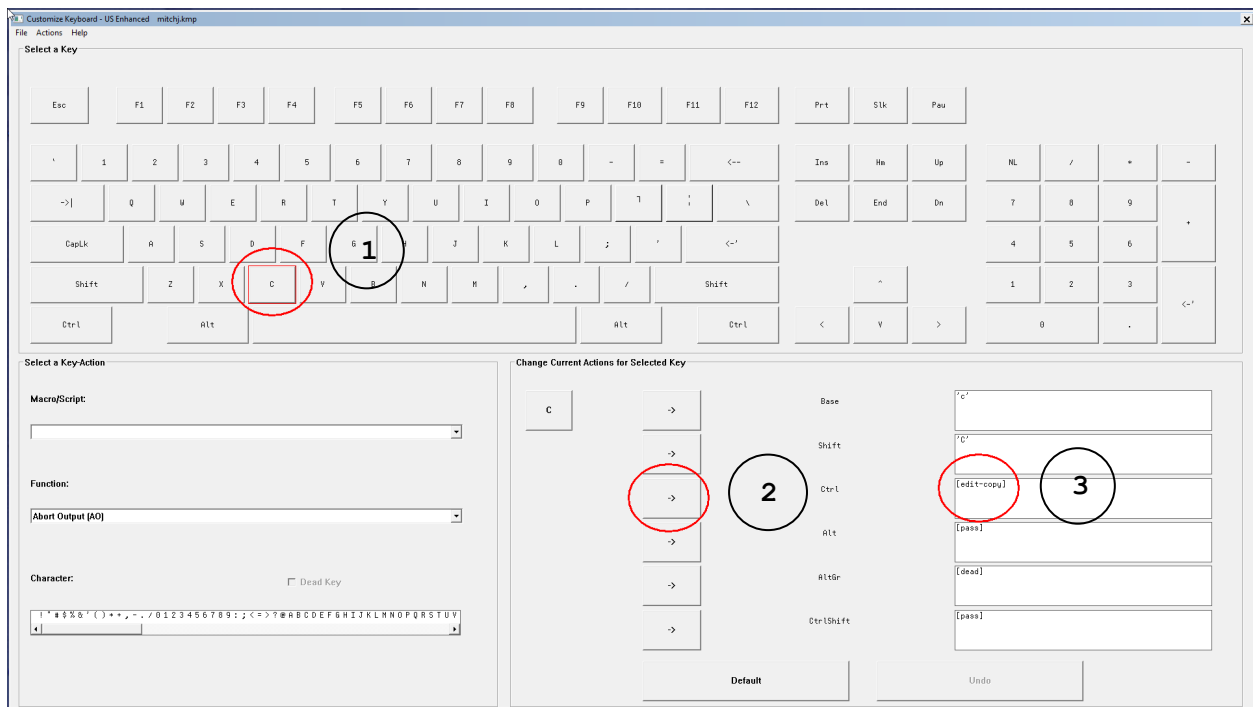


- To set the **Return** key to perform the *clear the screen* function, click on the **Return** (1) key, use the pull down arrow to select *Clear Screen* from the function list menu (2), and then in the *Change Current Actions for Selected Key* section, click on the arrow to the left of *Shift* (3) to set the default function of pressing the **Shift-Return** key sequence *[clear]*.

- To set the **Return** key to perform the *new line* function, click on the **Return** (1) key, use the pull down arrow to select *New Line* from the function list menu (2), and then in the *Change Current Actions for Selected Key* section, click on the arrow to the left of *Ctrl* (3) to set the default function of pressing the **Ctrl-Return** key sequence to move the cursor down a line [*newline*].
- To set the **Return** key to reset a locked keyboard, click on the **Return** (1) key, use the pull down arrow to select *Reset* from the function list menu (2), and then in the *Change Current Actions for Selected Key* section, click on the arrow to the left of *CtrlShift* (3) to set the default function of pressing the **Ctrl-Shift-Return** key sequence to reset or unlock a key board [*reset*].

When finished, your keyboard actions for the **Return** key should match the picture above.

- To set the **Ctrl-C** key sequence to perform the *copy* function, click on the **C** key (1) and then in the *Change Current Actions for Selected Key* section, click on the arrow to the left of **Ctrl** (2) to set the default function of pressing the **Ctrl-C** key sequence to *[edit-copy]* (3) (refer to the picture below).



- To set the **Ctrl-V** key sequence to perform the *paste* function, click on the **V** key (1) and then in the *Change Current Actions for Selected Key* section, click on the arrow to the left of *Ctrl* (2) to set the default function of pressing the **Ctrl-V** key sequence to *[edit-paste]* (3) (refer to the picture below).

