TPX Overview

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2014-10-27 update: TPX is no longer installed at this facility.
-dpb-

TPX, the Terminal Productivity Executive, is a VTAM application that manages multiple virtual sessions concurrently on one physical workstation. This brief overview describes sign on and sign off procedures, default key definitions, and TPX rates. For detailed information, see DOCID V0005, the "TPX User's Guide."

Related search terms include TSO, CICS, LUIS, timesharing, and interactive systems.

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Introduction

This document provides a very brief overview on how to use TPX. It refers to other sources for detailed programming information.

CNS's time-sharing systems provide a variety of computing services that are available from interactive workstations connected through IBM communications controllers and from microcomputers connected through dial-up servers to an IBM mainframe.

Note

Users considering using the UF/CNS dial-up service should be aware that this service is under review, and may possibly be discontinued at or shortly after the end of calendar year 2006. For more information, please see Dr. Hoit's memo to Deans, Directors and Department Heads of 05/02/2006, titled Charging for UF Dialup Services [http://www.admin.ufl.edu/ddd/default.asp?doc=11.11.1920.1].

Full-screen workstations are IBM 327x-compatible workstations, which include ASCII asynchronous workstations connected via a protocol converter or workstations on Internet-connected hosts that are connected to CNS using tn3270. The cursor can be addressed anywhere on the screen.

Line-mode terminals are ASCII asynchronous workstations that can read or print only one line at a time.

TPX

Terminal Productivity Executive (TPX) is a VTAM application that manages multiple virtual sessions concurrently on one physical workstation. Simultaneously, you can use TSO, LUIS, SAMAS CICS, and other systems. TPX allows you to switch between many different sessions without having to sign on and off repeatedly. This facility can be used by workstations that reach VTAM through control units or protocol converters.

Using TPX

To use TPX, enter MENU from the CNS VTAM IS ACTIVE screen. Your screen will display the CNS Main Menu. Note: If you are connecting via Tn3270, you will be at the CNS Main Menu and will bypass the CNS VTAM IS ACTIVE prompt. Select "signon" to go to the TPX sign-on screen. On the TPX sign-on screen, enter your CNS userid and password in the designated spaces. If you wish to change your password using the sign-on screen, you must also type the new password at the "PLEASE RE-ENTER YOUR NEW PASSWORD FOR VERIFICATION" prompt. Note: changing your password on the screen changes your password on all CNS systems except NERSP.

Your screen will then display the TPX menu, which is titled "CNS Interactive Services Menu For Your-userid" This menu lists the systems that you can use from TPX.
To exit this menu without signing on to any interactive system, enter

**K**

at the command line.

You can log on to any of the listed systems by typing the name of the service on the command line or by placing the cursor to the left of the desired system and pressing the Enter key.

TPX allows you to be signed onto more than one application or system at a time without logging off and on when switching between applications.

You can “flip” between programs as though changing channels on a remote-control television by pushing a “jump key” which you define.

Another useful key to define is a “menu key”. The “menu key” allows you to return to the main TPX menu from the application(s) in which you are working. Once you are at the TPX menu, you can sign on to a different program, or resume any of the programs in which you were already working. The state of active programs is preserved across “jumps,” allowing you to pick up exactly where you left off. Another way of returning to the TPX menu is to type `/w` at the command line and press `<PF12>`.

If you log off of any session, you will be returned to the TPX menu. If you log off of TPX while your sessions are still active, they will remain active and you will continue to be charged for them. (If you should inadvertently log off of TPX leaving active sessions, you can log back on to TPX and then log off of those sessions.)

The following commands allow you to communicate with TPX from any of your workstation sessions:

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><code>&lt;PF12/24&gt;</code></td>
<td>Functions as the command/enter key for TPX</td>
</tr>
<tr>
<td><strong>H</strong> and press <code>&lt;PF12/24&gt;</code></td>
<td>Help</td>
</tr>
<tr>
<td><strong>w</strong> and press <code>&lt;PF12/24&gt;</code></td>
<td>Jumps you to TPX menu</td>
</tr>
</tbody>
</table>

Please see the appendix for a complete listing of TPX commands.
TPX PF key definitions override session definitions for PF keys. CNS has redefined some of the TPX PF keys because the TPX default definitions interfered with use of PF keys within certain interactive sessions. Therefore, TPX PF keys at CNS might differ from those documented in the TPX manual. Also, any keys you redefine will override the CNS or system defaults.

Logging Off

To log off: go to the TPX menu by using your "menu key." Next, at the command line, type

```
i all
k
```

Setting "Jump" and "Menu" Keys

CNS has changed user defaults for TPX. If you have had your account for a while, these alterations will not show up in your TPX profile. In order to take full advantage of TPX's productivity, you will need to set a key for jumping and a key to return you to the main menu.

When setting your jump and menu keys, try to choose keys that you do not use in the applications which you use. For example, let's say you decided to set your "menu key" to be `<PF7>`. In many applications, `<PF7>` is used to page backwards a screen. If you set your menu key to be `<PF7>`, the next time you try to page backwards, you will first "flip" to the TPX menu; then when you push `<PF7>` again, you would "flip" back to the application you were working in and page back a screen. That could become disruptive.

In a previous release of TPX, the default for the "jump" key was `<PF2>` and the "menu" key had traditionally been set to `<PF9>`. You may, however, choose whatever key you desire.

Setting Your "Jump" Key

Sign on to TPX as described earlier in this document.

At the "CNS Interactive Services Menu", type `tpxadmin` (without quotes) at the command line.
Choose option 1 from the "NVi/TPX User Options" screen by typing a number 1 and pressing <Enter>.

At the "NVi/TPX Userid Maintenance Detail Panel," tab until your cursor is on the line directly to the right of the "Jump key:" text. If you wish to use <PF2> (the former default) type 'PF2' (without the quotes) on the line. This will set your jump key to <PF2>. If you want to use a different key, type that key's name instead.

### Setting Your "Menu" Key

Once you have set your jump key, another useful key to set up is the "menu" key. Pressing the key you assign for menu will take you back to menu where you sign on to different services.

While still in the "NVi/TPX Userid Maintenance Detail Panel," tab to the line directly to the right of the text "Menu key:". If you want to set the "menu key" to the original default, type 'PF9' (without the quotes). Or you may assign a different key, in which case you would type in that key's name here.

When you are done assigning keys, press <PF3> to exit the screens.

The changes will take effect once you logoff and log back on.

### Rates

There are no additional charges or surcharges assessed for using TPX. However, you will be charged CNS's normal rates for each session that you are logged on to. See document D0001, *The CNS Charging Algorithm* [http://docweb.cns.ufl.edu/docs/d0001/d0001.html] for information about interactive charges.

### Documentation

The *TPX User's Guide* from Computer Associates International, Inc., is available from the following address:

One Computer Associates Plaza
Appendix A: NVi/TPX Command Summary

Table 1.

<table>
<thead>
<tr>
<th>Command</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>sessid</td>
<td>Switch/activate named session</td>
</tr>
<tr>
<td>A [&lt;all&gt;]</td>
<td>Activate implied or all sessions</td>
</tr>
<tr>
<td>D sessid</td>
<td>Delete dynamically added session</td>
</tr>
<tr>
<td>E CMD=/CHR=/etc</td>
<td>Temporary change to user profile</td>
</tr>
<tr>
<td>F</td>
<td>Return to LOGO</td>
</tr>
<tr>
<td>G [&lt;all&gt;]</td>
<td>Activate sessions without ACL</td>
</tr>
<tr>
<td>H</td>
<td>Help</td>
</tr>
<tr>
<td>I [&lt;all&gt;]</td>
<td>Inactivate implied or all sessions</td>
</tr>
<tr>
<td>I sessid</td>
<td>Inactivate the named session</td>
</tr>
<tr>
<td>J</td>
<td>Jump to next active session</td>
</tr>
<tr>
<td>K</td>
<td>Logoff from NVi/TPX</td>
</tr>
<tr>
<td>L</td>
<td>Lock terminal</td>
</tr>
<tr>
<td>N sessid</td>
<td>Start session in PASS mode</td>
</tr>
<tr>
<td>P sessid dest cls</td>
<td>Send screen from sessid to printer</td>
</tr>
<tr>
<td>Q sessid userid</td>
<td>Send screen from sessid to userid</td>
</tr>
<tr>
<td>S sessid aclpgm</td>
<td>Start an ACL prgm for sessid</td>
</tr>
<tr>
<td>V sessid</td>
<td>Interrupt an ACL prgm for sessid</td>
</tr>
<tr>
<td>W</td>
<td>Display NVi/TPX selection menu</td>
</tr>
</tbody>
</table>

For details enter: H x

where x is the NVi/TPX Command letter.

Your Comments are Welcome

We welcome your comments and suggestions on this and all UFIT documentation. Please send your comments to:

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