CNS Systems

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Depending upon the type of account you have, and the options specified by the account administrator at creation time, you may have access to various CNS systems. Depending on your needs, you may find some systems more useful than others.

The following sections will help you learn about CNS's systems.

UF Information Technology

UFIT

2046 NE Waldo Rd, Suite 2100
Gainesville Florida 32609-8942
(352) 392.2061
<editor@cns.ufl.edu>
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CNS Systems

Depending upon the type of account you have, and the options specified by the account administrator at creation time, you may have access to various CNS systems. Depending on your needs, you may find some systems more useful than others. It’s best to discuss your needs with fellow faculty members, staff, or students within your department. The UF Computing Help Desk and the CNS Support Desk can also offer assistance.

The following sections will help you learn about CNS’s systems.

Note: Although GatorLink runs on CNS-managed systems, it is generally considered as a separate service, and is not included here. For GatorLink information, see the GatorLink home page at http://gatorlink.ufl.edu or contact the UF Computing Help Desk (392-HELP, room 132 HUB).

Interactive Systems

z/OS-Based (System/390) Services

At CNS, our z/OS-based (System/390) services are accessed via TPX, an application that lets you sign on to several systems and applications concurrently from one IBM 3270-type terminal session. The CNS Interactive Services menu is a TPX application which allows you to select CICS, TSO, and other z/OS-based CNS services. For more information, see the NERMVS home page at http://mvs.cns.ufl.edu.

NERCICS: CICS

IBM’s Customer Information Control System (CICS) is an interactive transaction-processing system which has been used at CNS since the early 1970s. The CICSplex at CNS provides critical transaction processing services to certain universities and state agencies in Florida, including FCLA, IFAS, UNF, and many academic and administrative offices at UF.

Do you ever pick “ADMIN” from the CNS Interactive Services Menu? Use the UF Menu System? ISIS? Telegator? GATA? LUIS? Do you register for classes at UF or UNF using a telephone, a terminal or a personal computer? If you answered "yes" to any of these questions, you are a CICS user at CNS.

For more information about CICS at CNS, see the NERCICS home page at http://cics.cns.ufl.edu [http://cics.ufl.edu].

NERTSO: TSO

IBM’s Time-Sharing Option (TSO) is used to create, modify, and retrieve OS data sets, and to execute programs interactively on CNS’s z/OS-based (Systemm/390) platforms. At CNS, the NERTSO service has a text editor, ISPF/PDF, a JES2 interface for submitting z/OS batch jobs, a help system, and IOF for monitoring job progress and reviewing output online.

LUIS and WebLUIS

LUIS (Library User Information Service) is the online catalog of Florida’s public university libraries. There are LUIS catalogs for each public university library in Florida. WebLuis also
Batch Systems

z/OS Batch

z/OS batch jobs consist of control statements, programs, and data that are submitted to the z/OS system at one time for processing. A batch job is different from an interactive one in that the batch job does not execute immediately. Rather, it waits until it is scheduled to be run by the operating system.

CNS uses IBM z/OS-compatible systems and hardware, which require IBM Job Control Language (JCL) and Job Entry Subsystem (JES2) control statements in z/OS batch jobs. z/OS Batch Input Batch jobs can be submitted to OS/390 from NERTSO, NERSP, or via FTP. Cataloged procedures (PROCs) are provided for most high-level languages and most major programs and packages.

Input data to programs may be retrieved from tapes, direct access storage devices (online disks), mini- or microcomputers, and optical scanners.

z/OS Batch Output

You may specify output in the form of printed listings, disk files, screen displays, magnetic tape, disk data sets, 4-color Hewlitt Packard 5000PS DesignJet (large format/color graphics) printouts, and indexed CD-ROM. For printed output, you can request a variety of paper types (special forms), including self-stick mailing labels, and a variety of printing types such as upper- or lowercase printing, letter-quality laser printing, six or eight lines per inch. Pick up your printed output in the lobby of the SSRB or at the remote printer to which you routed your output. CD-ROM output may be picked up from the CNS operations supervisor or the tape librarian. Output for jobs submitted with an INSIDE header may be obtained from Operations by dialing 2-2291 from the phone in the SSRB lobby.

More Information

If you are not familiar with JCL, JES2, IOF and ISPF, call the UF Computing Help Desk (392-HELP) or the CNS Support Desk(392-2061), or use the following resources. You can also perform searches in DOCWEB [http://docweb.cns.ufl.edu/] to find all CNS documentation on JCL or any other topic (see "Getting to Know DOCWEB [http://docweb.cns.ufl.edu/docs/gbdocweb/]") for more information on DOCWEB).

• CNS document D0072, z/OS: Submitting z/OS Batch Jobs to CNS [http://docweb.cns.ufl.edu/docs/d0072/].

• CNS document D0013, IBM Job Control Language Conventions at CNS [http://docweb.cns.ufl.edu/docs/d0013/].

• IBM’s z/OS MVS JCL Reference; available online; may also be ordered from IBM. See "IBM Manuals" Additional Documentation for more information.

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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