



GCOS 6 HVX

Openness ... Progress ... GCOS 6 HVX

GCOS 6 HVX on a Bull DPX/20 platform offers an open, progressive environment that neither jeopardises your mission-critical applications nor disturbs your end-user interface.

Our customer-led approach to GCOS 6 development means that GCOS 6 HVX is the latest in a line of GCOS 6 advances which enable GCOS 6 users to benefit from the lower costs and improved performance of modern hardware.

Today, the hardware platform available to you through GCOS 6 HVX is the Bull DPX/20 – offering the reduced purchase and operating costs of a UNIX system, the progression to de facto standards, Reduced Instruction Set Computer (RISC) architecture, SCSI peripherals and a UNIX environment, with the inbuilt guarantee of open-ended evolution.

The HVX concept

The GCOS 6 HVX 'kernel' comprises three modules: a GCOS 6 command interpreter, specific GCOS 6 I/O servers and a GCOS 6 Operating System. In simple terms, this adds up to complete binary compatibility – without recompiling your applications.

Even on a UNIX platform, your GCOS 6 applications will execute without modification. The applications present the same familiar appearance to end users, in the same environment, as on a native GCOS 6 platform – enabling programmers to use their existing skills to work on the UNIX environment without costly and time-consuming retraining.

The GCOS 6 and UNIX worlds are fully integrated – you can even connect your existing GCOS 6 SCSI external peripherals, terminals and printers.

More power, more future

The first phase of the new launch, GCOS 6 HVX single decor, provides the GCOS 6 environment and functionality on a Bull DPX/20 platform.

The system's command interpreter acts as a native GCOS 6 Central Processor Unit, ensuring the execution of the GCOS 6 Operating System and applications on the Bull DPX/20 as if it were a traditional GCOS 6 platform.

The GCOS 6 I/O servers interface directly to the Bull DPX/20 device drivers, converting GCOS 6 I/O requests into corresponding UNIX I/O requests.

Meanwhile GCOS 6 HVX single decor ensures that the management of terminals, applications, data and files is invisible to the end user. Only the system administrator and the operator need be trained on UNIX, to ensure correct system installation and operation.

GCOS 6 areas of excellence expanded

As a user, you will already appreciate the powerful GCOS 6 On Line Transaction Processing offer and its quality management of databases in a distributed environment.

The attributes of data integrity assurance, security and recovery you have to come to expect from GCOS 6 are not lost when you move to HVX.

The applications offered with GCOS 6 HVX single decor simply expand the scope of these traditional GCOS 6 areas of excellence into a DPX/20 environment, allowing the full use and execution of GCOS 6 files, whatever their structure and organisation, and of GCOS 6 communications solutions, unmodified.

Performance evolution

In developing its GCOS 6 operating systems and applications, Bull has placed consistent and equal emphasis on the complementary benefits of technology, performance and compatibility.

The introduction of the Bull DPX/20 platforms continues this synergistic progression.

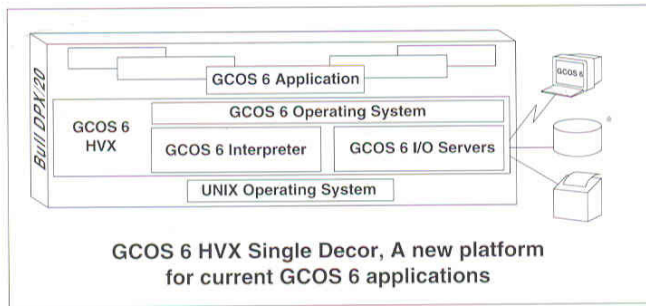
The incremental power of these platforms offers a range of increasingly competitive, price performant options with which to replace current systems. Eventually, even the performance offered by the Bull DPS 6000/600 multi-processors will be at least doubled by the new GCOS 6 HVX platforms, providing the growth you need for your existing applications in your future IT environment.

Your investment protected

GCOS 6 HVX thus not only preserves but enhances your business investments, providing a unique solution whereby you can continue to run your mission-critical applications undisturbed, while simultaneously planning your system's evolution – at a pace to suit yourself.

GCOS 6 APPLICATIONS IN FIRST SET

GCOS 6 applications running under GCOS 6 HVX single decor first set focus on OLTPs and OSI/DSA communications.



OLTPs

DM6-TP 2.3, TPS 6 5.0, and TCLF.

Data Base management UFAS, DM6-IDS II, TPS 6-IFS.

OSI/DSA communications and applications

Private, public X.25.

2-level TP from DM6-TP, TPS 6, to TDS on GCOS 7, TP8/DM4-TP on GCOS 8.

Application-to-application dialogue: AIF.

Programming interfaces: OSI-NIF (Network), OSI-TIF (Transport), OSI-SIF (Session).

File transfer: UFT, RFF6/8.

Remote job entry: RBF8.

Terminal concentration: NTM, DITF.

Resource sharing: RFA6.

Network administration: NAF.

GCOS 6 applications in second set

GCOS 6 HVX single decor will be completed by next announcement in the beginning of 1994. The features that will be included in the second set are summarised hereafter.

GCOS 6 O.S. swap-pools

GCOS 6 applications The second set will focus on GCOS 6 strengths in terms of communication, and GCOS 6 integration in the Distributed Computing Model.

OSI/DSA communications and applications

LAN, X.25 T-PAD, H-PAD, FTAM, X.400 Electronic Mail.

GCOS 6 in the Model

TCP/IP communications, Distributed Data Access to UFAS and IDS II files.

IBM/SNA communications and applications

via X.25, main SNA applications.

Languages

Cobol M, Cobol A and Assembler.

Utilities

SCORPEO.

Query facilities

AZ7, AZTRAN.

Asynchronous terminal support

GCOS 6 HVX supports asynchronous terminals:

- connected via direct connection, modem, PABX, switched network (BTS),
- within a secondary network beyond a Bull Datanet/CPnet via X.25 (DTS),
- TPF is also available.

PC in asynchronous emulation

Affinity 2.0 emulator (VIP7800, SDP and VT320 presentations). Glink emulator. VIP emulators (3.1)

Peripheral reconnection in first set

Asynchronous terminals

All asynchronous terminals either in VIP7800, SDP (7102/7201), VIP7201 and VT320 presentations, and Videotex terminals are able to be reconnected to the Bull DPX/20 platform and used under GCOS 6 HVX single decor. The reconnection of these terminals is accomplished through the use of interposers.

Serial printers

The ASPI matrix serial printers, the Compuprint M1021 laser printers are able to be reconnected to the Bull DPX/20 platform and to be used under GCOS 6 HVX single decor. The reconnection of these printers is accomplished through the use of interposers. These printers are not sharable with B.O.S./X and are reserved to GCOS 6 HVX exclusive use.

Languages

C, Fortran, (Basic, Pascal).

Utilities

DEF II.

Peripheral reconnection in second set

Asynchronous terminal support

Asynchronous terminals and minitels via PAD X.25 and respectively VIDEOPAD X.25 (ETS).

Synchronous terminal support

Via a X.25 network, or in a secondary network behind a Bull Datanet/CPnet (DTS).

Reconnec Line printers

PR88.

SCSI external peripherals

External disks cabinet and table-top 525 MB, 2.4 GB streamers.

HVX Evolution Services

Evolution to a GCOS 6 HVX environment may present a daunting prospect for customers lacking the time, skill or resources to perform the task themselves.

However, Bull has developed a comprehensive HVX evolution service schema ensuring that migration is performed in an efficient, timely and cost-effective manner. The service is completely modular, and is carried out in a number of stages.

The first stage is an Evolution Requirements Audit, which will determine what hardware and software is being used on the customer's existing GCOS 6 system and enable the recommended evolution path to be identified.

The second stage is a Transition Project Specification, which can include application qualification, system specification and project planning.

Following these two stages, the migration of the customers' environment takes place. This can include HVX installation, HVX configuration, HVX

network configuration, HVX data audit and migration, data media transfer, applications migration consultancy and system verification.

Each stage is rigorously checked to ensure that all products are fully functional, and that system configuration parameters are adjusted to ensure optimum performance.

After evolution to GCOS 6 HVX, Bull can provide a full portfolio of maintenance and support services complementing your HVX solution. These range from maintenance services including access to Bull Teleservice, Bulletin Board and On-site support and system services including performance analysis and system tuning.

For further information, please contact your Bull Account Manager, or telephone Freephone 0800 515403.