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A QINETIQ company

IMPART For UNIX

Extending OpenVME systems to the UNIX server/desktop

At A Glance

IMPART for UNIX emulates Fujitsu's IPA communications for RSA video terminals, File Transfer Facility and Direct Print. These are accessed using the convenient IMPART menu system, which also accesses the configuration, security and address details.

Remote Video Console (RVC) allows UNIX systems and attached terminals to access remote Fujitsu systems, which support RVC over ISO Transport e.g. Fujitsu's DRS300. Application Data Interchange and the Distributed Application Facility provide communication facilities for user-written applications. IMPART for UNIX uses ISO Transport protocol over Ethernet including RFC 1006.

Features

Interactive Video (IV)

IV allows users to log-in to remote VME sessions and access the services. It supports the PC's colour or grey scales. Each session occupies an independent window allowing users to run simultaneous host sessions. An application interface is also provided.

File Transfer Facility (FTF)

FTF transfers text or binary files between the UNIX server and any Fujitsu remote mainframe, departmental or distributed system supporting Network Independent File Transfer Protocol (NIFTP).



Key Benefits

- Market leading product providing communications between Fujitsu OpenVME systems and Unix systems over the IPA (Information Processing Architecture) protocols
- Maintained to support latest versions of all the leading Unix platforms
- The Impart IPA Applications are supported over both OSI and RFC1006 transport providers

Direct Print (DP)

DP allows files held on a remote VME mainframe to be printed out or transferred to a file on the client.

Direct Print Primary (DPP)

DDP allows local computer users to access print services on remote computers.

Application Data Interchange (ADI)

ADI allows programmes to be written which transfer data to and from similar programmes on other machines. ADI does not have a protocol of its own however it provides a simple read/write interface to the transport service. It can

be used over any network type supported by the transport and to any type of remote computer provided it supports the correct network protocol.

Two forms of ADI are available for Unix:

- **C language library** - ADI is released as a C library and header file. The functions are written in C and are intended to be accessible from other languages which allow the inclusion of C subroutines
- **ADI Java class** - This uses a library written using Java Native Interface (JNI) to provide a bridge between Java and C. The methods exposed by this class are generally thin wrappers around calls to the underlying ADI library

Supports ISO Transport Using Streams

IMPART for UNIX is an ISO Transport implementation fully conforming to ISO 8072/3 standards, to support Classes 0, 2, 3 and 4. STREAM supports ISO Transport protocol over Local Area Networks (LANs).

Distributed Application Facility (DAF)

DAF allows users to develop UNIX-based applications to interface with Fujitsu's Transaction Processing Management System (TPMS).

Remote Virtual Console

RVC allows UNIX systems and their attached terminals to access remote Fujitsu systems that support RVC over ISO Transport. Remote Virtual Console comprises both Server (RVCS) and Requester (RVCR). RVC also provides support for a subset of the TS29 protocol allowing Fujitsu OSVT terminals to be connected in a similar way.

Transport Relay

The transport Relay transparently routes between an Ethernet LAN and RFC 1006 network.

RFC 1006

RFC 1006 allows OSI communications over a TCP/IP network.

Associated Products

- **IMPART for Windows** - A comprehensive suite of Windows application providing terminal emulation onto a Fujitsu VME mainframe
- **IMPART*X** - Fujitsu VME terminal emulation applications for the web browser
- **IMPART OSI UNIX** - OSI transport for UNIX
- **IMPART OSI Windows** - OSI transport for Windows
- **IMPART Gateways** - Server side components for enabling access to Fujitsu VME system
- **IMPART RFC1006** - Transport enabling OSI over TCP/IP



System Requirements Software

- IBM RS6000/PowerPC running AIX 5 in either 32 or 64bit mode
- SUN workstations running SOLARIS 7 and above in either 32 or 64-bit mode
- Data General systems running DG/UX (Intel and Risc)
- HP/UX
- IBM compatible PC running Unixware
- Linux