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CUSTOMER RELEASE NOTES

DIGITAL clearVISN CoreWatch
Software Version 2.1
February, 1999

INTRODUCTION:

This document provides information on version 2.1 of DIGITAL clearVISN CoreWatch, the Java-based GUI used to manage DIGITAL GIGAswitch/Router systems.

It is recommended that one thoroughly review this release note prior to the installation or upgrade of this product.

SOFTWARE SPECIFICATION:

Status	Version No.	Type	Release Date
Current Version	2.1	Customer	February 1999
Previous Version	2.0	Customer	November 1998
Previous Version	1.1	Customer	September 1998

HARDWARE COMPATIBILITY:

DIGITAL clearVISN CoreWatch support for all hardware and firmware revisions of the GIGAswitch/Router family is shown in the table below.

Part	Description	clearVISN CoreWatch Version	Minimum Firmware Version
GSR-8	8-Slot GIGAswitch/Router	2.1 2.0 1.1 1.0	1.1.0.0 1.0.0.0, 1.0.1.x ONLY
GSR-16	16-Slot GIGAswitch/Router	2.1 2.0 1.1	1.2.0.0

NOTE: DIGITAL clearVISN CoreWatch 1.1 or higher can interoperate with firmware image 1.0.0.0 and 1.0.1.x in MONITOR mode only.

SUPPORTED FUNCTIONALITY:

Features (In addition to 2.0 features.)	Support
Monitor enhancements including the following: • WAN port display in clearVISN CoreWatch monitoring mode	YES

INSTALLATION AND CONFIGURATION NOTES:

You can install clearVISN CoreWatch on a UNIX (Solaris 2.5.1, Solaris 2.6), Windows NT 4.0 or Windows 95/98 system. Please refer to the *Getting Started Guide* associated with your particular router for instructions on installing clearVISN CoreWatch.

SOFTWARE CHANGES AND ENHANCEMENTS:

- Monitor Enhancements: Tables and Graphs
  DIGITAL clearVISN CoreWatch now displays the two types of WAN line cards available for the GSR. When clearVISN CoreWatch detects the presence of either a serial or HSSI card in the GSR, it will display that particular WAN line card (4-Port Serial or 2-Port HSSI) in the appropriate slot on the router.

RESOLVED ISSUES:

Issues Resolved in Version 2.1

The previous release of Configuration Expert did not allow you to configure two VRRP interfaces with the same Virtual Router ID. This has been fixed in version 2.1.

The previous release of Configuration Expert expected you to enter a **broadcast type** CLI command to correctly display configuration information. However, this command should have been the default. This has been fixed in version 2.1.

KNOWN RESTRICTIONS AND LIMITATIONS:

General:

- Under certain circumstances, the GSR may return an error message stating that uploading a configuration file failed, even though it was actually successful. This can be caused by the IP interface through which the configuration upgrade takes place becoming temporarily “disabled” as a result of the upload process.

Monitoring:

- Due to a bug in the Solaris-based JVM, right-clicking on any port of the Front Panel view may cause the "pop-up" menu to be too dark to read. To view port statistics:

  1. Select the port you wish to monitor in the Front Panel view.
  2. Select the **Monitor** menu.
  3. Select the **Performance** submenu.
  4. Select the **Port** submenu.
  5. Choose one of the port statistics available from the menu to view that graph.

Configuration:

- DIGITAL clearVISN CoreWatch Configuration Expert 2.1 does not include support for the GSR features below. Use the Command Line Interface to configure these features:

  - TACACS, TACACS+, RADIUS
  - Service ACLs
  - IPX add route
  - Port Mirroring
  - WAN Modules and WAN Commands

- On a multi-homed machine (a machine that has more than one network card), Configuration Expert might fail to upload or download configurations. When the GSR is programmed to upload or download a configuration, the IP address of the server host is written to the GSR. This IP address is arbitrarily selected by the JRE from one of the active interfaces. When the JRE selects the wrong interface, the download will fail. Chances of success is 1/N, where N is the number of interface cards on the server host.

- On some Solaris window managers, a right click is used to expand the tree view in Configuration Expert instead of the standard left double click. This is a bug in the window manager and JVM interaction.

Any other problems than those listed above should be reported to DIGITAL Technical Support staff.

COMPLIANCE SUPPORT:

Compliance Level	Compliant
Year 2000 and Leap Year	YES

Known Anomalies: None.

IEEE STANDARDS MIB SUPPORT:

Standard	Title
IEEE 802.1d	Spanning Tree
IEEE 802.1p	Traffic Prioritization
IEEE 802.1Q	Port Trunking
IEEE 802.3	10 Mbps Ethernet
IEEE 802.3u	100 BASE-T Ethernet
IEEE 802.3x	Full Duplex Ethernet
IEEE 802.3z	1000 Mbps Ethernet

IETF STANDARDS MIB SUPPORT:

RFC No.	Title
RFC 1058	RIP v1
RFC 1105	BGP
RFC 1157	SNMP
RFC 1163	BGP-2
RFC 1213	MIB-2
RFC 1253	OSPF v2 MIB
RFC 1265	BGP Protocol Analysis
RFC 1266	Experience with the BGP Protocol
RFC 1267	BGP-3
RFC 1293	Inverse ARP
RFC 1315	MIB for Frame Relay DTEs
RFC 1332	PPP Internet Protocol Control Protocol (IPCP)
RFC 1349	Type of Service in the Internet Protocol Suite
RFC 1397	BGP Default Route Advertisement
RFC 1490	Multiprotocol Interconnect over Frame Relay
RFC 1493	Definitions of Managed Objects for Bridges
RFC 1519	CIDR
RFC 1548	The Point-to-Point Protocol (PPP)
RFC 1552	The PPP Internetworking Packet Exchange Control Protocol (IPXCP)
RFC 1570	PPP LCP Extensions
RFC 1573	Evolution of the Interfaces Group of MIB-II
RFC 1583	OSPF v2
RFC 1638	PPP Bridging Control Protocol (BCP)
RFC 1643	Definitions of Managed Objects for Ethernet-Like Interface Types
RFC 1656	BGP-4 Protocol Document Roadmap and Implementation Experience
RFC 1657	Definitions of Managed Objects for the Fourth Version of the Border Gateway Protocol (BGP-4) using SMIv2
RFC 1661	PPP (Point-to-Point Protocol)

RFC No.	Title
RFC 1662	PPP in HDLC-like Framing
RFC 1723	RIP v2
RFC 1724	RIP v2 MIB
RFC 1757	Remote Network Monitoring (RMON) Management Information Base
RFC 1771	BGP-4
RFC 1772	Application of BGP in the Internet
RFC 1812	Requirements for IP Version 4 Routers
RFC 1966	BGP Route Reflection An alternative to full mesh IBGP
RFC 1997	BGP Communities Attribute
RFC 2068	Hypertext Transfer Protocol – HTTP/1.1
RFC 2096	IP Forwarding MIB
RFC 2236	Internet Group Management Protocol, Version 2

PRIVATE ENTERPRISE MIB SUPPORT:

Title	Description
ctron-yago-config	(Get and put configuration files, bootlog)
ctron-yago-hardware	(Inventory)
ctron-yago-l2	(Layer 2 Flow Table)
ctron-yago-l3	(Layer 3 Flow Table)
ctron-yago-service-status	(Current set of services running OSPF, DVMRP, …)
ctron-lfap	(RFC 2124 Lightweight Flow Accounting Protocol)
ctron-policy	(Provide Mgmt control of ACLs)
novell-ipx-mib	(Novell Netware)

Private Enterprise MIBs are available in ASN.1 format from the Cabletron web site: **http://www.cabletron.com/support/mibs/**. Indexed MIB documentation is also available.

DRAFT SUPPORT:

Function	Draft
DVMRP	Draft-ietf-idmr-dvmrp-v3-06.txt
802.1Q VLAN	IEEE Draft Standard P802.1Q/D9

FRAME RELAY STANDARDS SUPPORT:

Standard	Title
Frame Relay Forum FRF.1.1	User-to-Network (UNI) Implementation Agreement
Frame Relay Forum FRF.3.1	Multiprotocol Encapsulation Implementation Agreement
ITU-T Q.922/ANSI T1.618	ISDN Core Aspects of Frame Relay Protocol
ITU-T Q.933	Access Signaling Annex A
ITU-T I.122/ANSI T1S1	Standards-Based Frame Relay Specification
ITU-T Annex D/ANSI T1.617	Additional Procedures for PVCs Using Unnumbered Information Frames

SNMP TRAP SUPPORT:

RFC	Title
RFC 1157	linkDown, linkUp, authenticationFailure Traps
RFC 1493	newRoot, topologyChange Traps

PRIVATE ENTERPRISE TRAP SUPPORT:

Title
ctron-trap-mib *version 1.1.0.3*
ctron-yago-trap
novell-rip-sap-mib

ACCESSING ONLINE INFORMATION:

DIGITAL Network Product Group Web Site

Further information on this network product or topic is available on the DIGITAL Network Product Group (DNPG) Web Site. The Web site maintains a common, rich set of up-to-date information on NPBG's products, technologies, and programs.

The Web Site can be reached at geological locations via the following:

Americas:	http://www.networks.digital.com
Europe:	http://www.networks.europe.digital.com
Asia Pacific:	http://www.networks.digital.com.au

For a listing of all the products available on the DNPG Web Site, please choose the "Technical Information" link, and from there choose the "Technical Information (Drivers, Manuals, Tech Tips, etc.)" link.