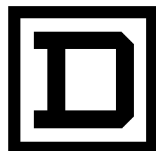


Historian Viewer

Installation

Guide

§ CRISP Software Products



SQUARE D

GRUPE SCHNEIDER

Historian Viewer Installation Guide

Document number: 500 073 - 001, Rev. 2

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Software Version Historian Viewer Rev. 1.1 and Later

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Introduction	General.....	1
On-Line Release Notes	General.....	3
Requirements	General.....	5
	Global Pages.....	5
	Global Sections.....	6
Using VMSINSTAL	Description.....	7
	Format.....	7
	How It Works.....	7
Installing Historian Viewer	General.....	9
	Installation Procedure.....	9
	Initial Installation on a Non-CRISP/32 System Example.....	14
	Update Installation on a Non-CRISP/32 System Example.....	17
	Initial Installation on a CRISP/32 System Example.....	19

Notes:

General

This manual provides a step-by-step installation procedure for Historian Viewer, Version 1.1 and later. This procedure can be used for a new installation or for updating an existing Historian Viewer system. The Historian Viewer software may be installed with or without CRISP[®]/32 on a VAX system. If CRISP and Historian Viewer are both being installed on the target system, CRISP must be installed first.

This manual is divided into the following sections.

Section	Description
On-Line Release Notes <i>(page 3)</i>	Defines the location of the release notes and how to access the notes.
Requirements <i>(page 5)</i>	Defines the system requirements before installation of Historian Viewer.
Using VMSINSTAL <i>(page 7)</i>	Defines the VMSINSTAL command procedure.
Installing Historian Viewer <i>(page 9)</i>	Defines the procedures required to install CRISP Historian Viewer.

NOTE

Before performing this installation procedure, verify that the system hardware and software has been properly installed per the appropriate DEC documentation.

Notes:

General

On-line release notes come with each distribution of Historian Viewer. When VMSINSTAL is invoked with the `OPTIONS N` parameter, a prompt to print or display the release notes appears during the installation (refer to step 4 of the Installing Historian Viewer procedures).

After Historian Viewer has been installed, the release notes may be printed or typed by accessing the file `SYS$HELP:HVIEW01n.RELEASE_NOTES`.

Where `n` is the maintenance update of Historian Viewer (e.g., `HVIEW011`).

Release notes for each release of Historian Viewer are distributed for those users who are upgrading by several versions at once.

Notes:

General

Depending on the media and the system configuration, the installation of Historian Viewer takes approximately 2 to 5 minutes. The following requirements must be met before Historian Viewer can be installed.

- VMS V5.4-3 or later
- DECwindows Motif V1.1 or later
- CRISP V2.8-32 or later if Historian Viewer V1.1 is being installed on the same system as CRISP. The Historian Viewer V1.2 requires CRISP V3.0 or later if it is installed on the same system as CRISP.
- Free disk space as follows:
 - 384 blocks on the system disk
 - 2680 blocks on the CRISP/32 system disk.

Also, an additional amount equal to the total of the previous numbers is required on the system disk during installation. This space is released when the installation completes or otherwise terminates.

- A minimum of 12 Mbytes of physical memory.
- SETPRV privileges, or CMKRNL, WORLD, and SYSPRV privileges.
- A minimum of 40 contiguous free global pages at installation.
- A minimum of 6 free global sections at installation.

NOTE

Ensure that the system has the necessary global page and global section SYSGEN quotas for the installation. Failure to do so could cause the DCL tables to be corrupted in some situations.

Global Pages

Determine the number of global pages by invoking the VMS Install Utility as follows.

```
$ INSTALL LIST/GLOBAL/SUMMARY <ret>
```

The system then displays a summary of the number of global sections used, the number of global pages used, and the number of global pages unused.

If there are less than the required number of global pages available, delete an existing known image via the VMS Install Utility, or increase the GBLPAGES system parameter via the VMS System Generation Utility (SYSGEN) by editing the file SYS\$SYSTEM:MODPARAMS.DAT and then invoking the AUTOGEN command procedure, SYS\$UPDATE:AUTOGEN.COM. Refer to the appropriate installation/operations guide for more information on the AUTOGEN command procedure.

Global Sections

The number of available global sections on the system may be determined by invoking the SYSGEN as follows.

```
$ RUN SYS$SYSTEM:SYSGEN<ret>
SYSGEN> USE CURRENT<ret>
SYSGEN> SHOW GBLSECTIONS<ret>

SYSGEN> EXIT<ret>
```

The last number displayed is the maximum number of global sections. Compare this number to the number of global sections in use displayed by the VMS Install Utility. If the number of global sections used plus 6 exceeds the maximum number of global sections, the number of global sections must be increased before Historian Viewer can be installed. To increase the global sections, the GBLSECTIONS system parameter must be increased with SYSGEN by editing the file SYS\$SYSTEM:MODPARAMS.DAT and invoking the SYS\$UPDATE:AUTOGEN.COM procedure. Refer to the appropriate installation/operations guide for more information on the AUTOGEN.COM procedure.

If the number of global sections used plus 6 is less than the maximum number of global sections, exit from SYSGEN and continue with the installation.

Description

VMSINSTAL is the command procedure to install Historian Viewer. Before invoking this command procedure, log into the SYSTEM account. Execution of the VMSINSTAL command procedure is shown in steps 1 and 2 of the Installing Historian Viewer section of this manual.

Format

The VMSINSTAL command procedure has the following syntax.

```
$ @SYS$UPDATE:VMSINSTAL HVIEW01n ddcu: [OPTIONS N]
```

n Represents the maintenance update of Historian Viewer. Refer to the label on the Historian Viewer distribution kit for the maintenance update number of your kit.

An asterisk (*) may also be typed in place of 'n' (i.e., HVIEW01*).

ddcu: Represents a device name where the distribution volumes are mounted for the Historian Viewer installation media, where *dd* is the device code, *c* is the controller code, and *u* is the unit number. The device name used in examples in this manual is *MKA500:*.

OPTIONS N Is an optional parameter used if you want to be prompted to display or print the release notes. If omitted, you are not prompted to display the release notes. VMSINSTAL also permits other options. Refer to the appropriate installation/operations guide for more information about these options.

How It Works

If you do not supply the first two parameters, VMSINSTAL prompts you for the product and device names. The syntax in this case would be as follows.

```
$ @SYS$UPDATE:VMSINSTAL<ret>
```

When VMSINSTAL is invoked, the following are checked.

- Whether you are logged in to a privileged account. DIGITAL recommends that you install software from the system manager's account with the default device and directory set to SYS\$UPDATE.

(Continued on next page.)

How It Works(cont)

- Whether you have adequate quotas for installation. VMSINSTAL checks for the following quota values.
 - ASTLM = 24
 - BIOLM = 18
 - BYTLM = 32768
 - DIOLM = 18
 - ENQLM = 200
 - FILLM = 100

If VMSINSTAL detects that there are users logged in to the system, you are prompted as to whether you want to continue the installation. Enter YES to continue or <return> to stop the installation.

NOTE

Unpredictable results including failure of the installation may occur if other terminals are logged in during the installation. Furthermore, the processes associated with these logged-in terminals will not see certain changes such as updates to the system command tables until they have logged out and then logged in after the installation is complete.

General

This section explains the installation procedure. Defaults, where available, appear in brackets throughout the installation procedure.

The installation procedure may be aborted at any time by entering CTRL/Y. If CTRL/Y is pressed, the installation procedure deletes all files it has created and returns you to the DCL level.

Installation Procedure

Perform the following steps to install Historian Viewer, Version 1.1 and later.

Step 1. Log in to a privileged account and set the default device and directory to SYS\$UPDATE

```
<Ret>
Username: SYSTEM<Ret>
Password: <Ret>
$ SET DEFAULT SYS$UPDATE <Ret>
```

Step 2. Invoke VMSINSTAL

```
$ @VMSINSTAL HVIEW01n MKA500: OPTIONS N <Ret>
```

Where **n** is the maintenance update of Historian Viewer(e.g., HVIEW011).

VAX/VMS Software Product Installation Procedure

It is 17-JUL-1991 at 16:24

Enter a question mark (?) at any time for help.

* Are you satisfied with the backup of your system disk [YES]? <Ret>

Press the Return key if you are satisfied with the backup of your system disk; otherwise, enter NO to discontinue the installation procedure.

Step 3. Mount the first installation kit volume

Please mount the first volume of the set on MKA500:.

* Are you ready? YES <Ret>

The following products will be processed:

HVIEW V1.n

Beginning installation of HVIEW V1.n at 17:03

%VMSINSTAL-I-RESTORE, Restoring saveset A...

Installation Procedure (cont)

Step 4. Select a release notes option

This step applies only if OPTIONS N was specified in step 2.

Release Notes Options:

1. Display release notes
2. Print release notes
3. Both 1 and 2
4. None of the above

* Select option [2]: **<Ret>**

If option 1 is selected, VMSINSTAL displays the release notes. Terminate the display by pressing CTRL/C. At this time, VMSINSTAL copies the release notes to SYS\$HELP.

If option 2 is selected, VMSINSTAL prompts you for a queue name (use this option only if a print queue has been setup on your system). Either enter a queue name or press the Return key to send the file to the default output print device. After printing the release notes, VMSINSTAL copies the release notes to SYS\$HELP.

* Queue name [SYS\$PRINT]: **<Ret>**

If option 3 is selected, VMSINSTAL displays the release notes. Terminate the display by pressing CTRL/C. VMSINSTAL then prompts you for a queue name. Either enter a queue name or press the Return key to send the file to the default output print device. After printing the release notes, VMSINSTAL copies the release notes to SYS\$HELP.

If option 4 is selected, VMSINSTAL does not display, print, or copy the release notes. It prompts you to decide whether to continue the installation.

* Do you want to continue the installation [N]: **Y <Ret>**

Enter YES to continue the installation. If you enter NO, VMSINSTAL discontinues the installation.

NOTE

The version of the Historian Viewer release notes file installed by VMSINSTAL is labeled with the current product name and version number (e.g., HVIEW011.RELEASE_NOTES). Do not delete release notes for previous versions of Historian Viewer .

Installation Procedure (cont)

Step 5. Select installation options

* Do you want to purge files replaced by this installation [YES]?

The system directory `SY$COMMON:[SYSLIB]` and the CRISP directories may contain previous versions of Historian Viewer files. New versions of these files are provided during installation, but the old files will not be purged unless you answer YES to this question.

* Enter device name for Historian Viewer files [DISK\$USER]:

Enter a logical or physical name for the disk drive on which the majority of CRISP files are to be installed. If you are upgrading a previous version of CRISP, this should be the same as the disk on which CRISP is currently installed. If this is a new installation, a [CRISP] directory and several subdirectories will be created on this disk.

* Enter CRISP account UIC [[50,1]]:

This question is only asked if no [CRISP] directory is located on the specified disk so it is assumed that this is a new installation of Historian Viewer. A CRISP account will be created with the UIC specified at this time. Normally, the default answer is acceptable. If a different UIC is specified, it must have the proper format (two octal numbers separated by a comma and enclosed in brackets, i.e., [123,456]).

* Install these files in system directories?

This question is only asked during new installations on non-CRISP systems. If you answer YES, previous versions of these files in the system directories will not be purged regardless of how the purge files question was answered.

NOTE

If you do not take the CRISP-provided system files, you must add the following line to your system startup file, which is `SYSTARTUP_V5.COM` for VAX/VMS V5 and is `SYSTARTUP_VMS.COM` for Open VMS V6.

```
$ @ddcn:[CRISP]CRISP_HVIEW_SETUP
```

Where `ddcn` is the actual disk device on which Historian Viewer is installed. See the files in `[CRISP.UTL.SYS]` for more information.

* Are you upgrading an existing CRISP system [YES]?

This question is only asked if a [CRISP] directory is located on the specified disk. If you answer YES, the installation will proceed. If you answer NO, the installation will be terminated.

Installation Procedure (cont)

Step 6. End the installation procedure

When the installation procedure completes, the following message is displayed.

```
VMSINSTAL procedure is done at hh:mm
```

```
$
```

The distribution media (tape) may now be removed from the drive.

Step 7. Log in to the CRISP account

Log out of the SYSTEM account and log into the CRISP account.

```
<Ret>
```

```
Username: CRISP<Ret>
```

Step 8. Install special files (if necessary)

This installation kit provides two "special" files - CASRV.EXE and CASRV_SUBPROCESS.EXE.

These files are intended to be used IF your version of CRISP/32 is Version 2.8 or earlier. To determine the version of your CRISP/32 installation (if you have one) enter the following command at the DCL prompt:

```
$ type crisp$doc:crispre1.dat
```

This command will show you the version of CRISP/32 installed on your system. If it is V3.0-nn or later, you DO NOT need to do the following commands. If however, the version is V2.8-nn or earlier you need to implement the following commands.

```
$ copy/lo node_x::crisp$hview:casrv.exe crisp$exe:  
$ copy/lo node_x::crisp$hview:casrv_subprocess.exe  
crisp$exe:
```

where node_x indicates the node where CRISP/32 is actually installed and running. (If CRISP/32 is installed on the same node as HISTORIAN VIEWER, you do not need to specify a node name.)

These two files support HISTORIAN VIEWER functionality that was not available in older versions of the CRISP/32.

Installation Procedure (cont)

Step 8. Install special files (If necessary) (cont)

After you have copied the files (as shown above) you will need to install this new software. Use the following sequence of commands.

```
$ set def crisp$exe  
$ crstop casrv
```

.. pause (process exits)

```
$ crstart casrv
```

Alternatively, the next time you stop CRISP/32 (using CRSTOP) and restart it (using CRSTART) the new software will be automatically installed.

Step 9 Perform Setup Operations

If this system has CRISP/32 installed also, be sure to complete the CRISP installation procedure (i.e., CRISP_CONFIG) before proceeding. If this system does not have CRISP/32 enter the following command to setup the Historian Viewer software.

```
$ @CRISP_HVIEW_SETUP<Ret>
```

Step 10 Move to Historian Viewer display Directory

Set your default directory to the Historian Viewer profile directory. If this was a new installation of the Historian Viewer software, there will be no files.

```
$ set def [crisp.hview.prof] <Ret>
```

Step 11. Start the Historian Viewer

Enter the following command to execute the CRISP Historian Viewer.

```
$ chv <Ret>
```

Initial Installation on a Non-CRISP/32 System Example

The following is an example of an initial installation of Historian Viewer on a System that does not have CRISP/32 installed.

```
$ @sys$update:vm$instal hview011 mka200:
```

```
VAX/VMS Software Product Installation Procedure V5.5
```

```
It is 15-NOV-1993 at 08:57.
```

```
Enter a question mark (?) at any time for help.
```

```
* Are you satisfied with the backup of your system disk [YES]?
```

```
Please mount the first volume of the set on MKA200:.
```

```
* Are you ready? y
```

```
%MOUNT-I-MOUNTED, CRISP mounted on _MKA200:
```

```
The following products will be processed:
```

```
HVIEW V1.1
```

```
Beginning installation of HVIEW V1.1 at 08:58
```

```
%VMSINSTAL-I-RESTORE, Restoring product save set A ...
```

```
%VMSINSTAL-I-REMOVED, Product's release notes have been moved to SYS$HELP.
```

```
+-----+
|      CRISP Historian Viewer Software Installation Procedure      |
|              Release Version:  V1.1                            |
+-----+
|              COPYRIGHT 1993                                    |
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|              CRISP Automation Systems                          |
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+-----+
```

Initial Installation on a Non-CRISP/32 System Example (cont)

During this installation, new files will be provided to replace existing versions. You may purge these older versions to save disk space, or keep

them if you feel they may be of use. Purging is recommended.

- * Do you want to purge files replaced by this installation [YES]? **y**
- * Enter device name for CRISP Historian Viewer files [DISK\$USER]:
- * Enter CRISP account UIC [[50,1]]:

CRISP Historian Viewer requires modifications to the the site-specific startup command file (SYSTARTUP_V5.COM for VAX/VMS V5 or SYSTARTUP_VMS.COM for Open VMS V6) and the AUTOGEN parameters file (MODPARAMS.DAT).

This installation will provide examples of these files plus a system-wide login command file (SYLOGIN.COM), and a site-specific logicals command file (SYLOGICALS.COM) in the [CRISP.UTL.SYS] directory. You may also elect to have these files placed in the appropriate system directories (the old versions will NOT be purged).

- * Install these files in system directories [YES]? **y**

All questions regarding the installation have been asked. The installation will now continue for another 2-5 minutes.

```
%HVIEW-I-NEWINST, Beginning a new CRISP Historian Viewer V1.1 installation
%HVIEW-I-CREACNT, Creating the CRISP account
%VMSINSTAL-I-ACCOUNT, This installation creates an ACCOUNT named CRISP.
%UAF-I-ADDMSG, user record successfully added
%UAF-I-RDBADDMSGU, identifier CRISP value: [000050,000001] added to rights database
%HVIEW-I-CREDIR, Creating the CRISP directory
%VMSINSTAL-I-SYSDIR, This product creates system disk directory DISK$USER:[CRISP].
%CREATE-I-CREATED, DISK$USER:[CRISP] created
%HVIEW-I-CRESUBDIR, Creating the CRISP subdirectories
%CREATE-I-CREATED, DISK$USER:[CRISP.][DOC] created
%CREATE-I-CREATED, DISK$USER:[CRISP.][UTL] created
%CREATE-I-CREATED, DISK$USER:[CRISP.][HVIEW.PROF] created
%HVIEW-I-BLDTPUSEC, Building the CRISP_EVE TPU section file
%TPU-S-FILEIN, 2084 lines read from file DKA300:[SYS0.SYSUPD.HVIEW011]CRISP_EVE.TPU;141
Definition of procedure TPU$LOCAL_INIT superseded
At source line 63
%EVE-I-EDTON, EDT keypad defined (for more information, see help on EDT DIFFERENCES).
Compiling CRISP enhancements for TPU V2.6
%TPU-S-FILEIN, 68 lines read from file DKA300:[SYS0.SYSUPD.HVIEW011]CRISP_EVE_V26.TPU;2
%TPU-S-CREATED, DKA300:[SYS0.SYSUPD.HVIEW011]CRISP_EVE.TPU$SECTION;1 created
%TPU-S-SECTSAVED, 939 procedures, 1188 variables, 669 keys saved
%HVIEW-I-CPYSYSFIL, Processing system command and params files
%HVIEW-I-CPYRTLFIL, Copying CRISP run-time libraries to SYS$COMMON:[SYSLIB]
%HVIEW-I-C32FIL, Processing CRISP Historian Viewer files for [CRISP...]
%HVIEW-I-DEFC32LNM, Defining CRISP logical names
%C32SETUP-I-NETDEV, Defining network device _ESA0: as CRISP$NET00
```

Before CRISP Historian Viewer may be started for the first time, you must manually execute the following command.

@CRISP\$:CRISP_HVIEW_SETUP

Initial Installation on a Non-CRISP/32 System Example (cont)

%VMSINSTAL-I-MOVEFILES, Files will now be moved to their target directories...

Installation of HVIEW V1.1 completed at 08:59

VMSINSTAL procedure done at 08:59

\$

Update Installation on a Non-CRISP/32 System Example

The following is an example of an update installation of Historian Viewer on a System that does not have CRISP/32 installed.

```
$ @sys$update:vmsinstal hview011 mka200:
```

```
VAX/VMS Software Product Installation Procedure V5.5
```

```
It is 15-NOV-1993 at 08:46.
```

```
Enter a question mark (?) at any time for help.
```

```
* Are you satisfied with the backup of your system disk [YES]?
```

```
Please mount the first volume of the set on MKA200:.
```

```
* Are you ready? y
```

```
%MOUNT-I-MOUNTED, CRISP mounted on _MKA200:
```

```
The following products will be processed:
```

```
HVIEW V1.1
```

```
Beginning installation of HVIEW V1.1 at 08:46
```

```
%VMSINSTAL-I-RESTORE, Restoring product save set A ...
```

```
%VMSINSTAL-I-RELMOVED, Product's release notes have been moved to SYS$HELP.
```

```
+-----+
| CRISP Historian Viewer Software Installation Procedure
| Release Version: V1.1
+-----+
| COPYRIGHT 1993
|
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| CRISP Automation Systems
| Dublin, OH USA
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+-----+
```

Update Installation on a Non-CRISP/32 System Example (cont)

During this installation, new files will be provided to replace existing versions. You may purge these older versions to save disk space, or keep

them if you feel they may be of use. Purging is recommended.

* Do you want to purge files replaced by this installation [YES]? **y**

The [CRISP.HVIEW] directory already exists on DISK\$USER:

* Are you upgrading an existing HISTORIAN VIEWER installation [YES]? **y**

All questions regarding the installation have been asked. The installation will now continue for another 2-5 minutes.

```
%HVIEW-I-CRESUBDIR, Creating the CRISP subdirectories
%HVIEW-I-CPYSYSFIL, Processing system command and params files
%HVIEW-I-C32FIL, Processing CRISP Historian Viewer files for [CRISP...]
%HVIEW-I-DEFC32LNM, Defining CRISP logical names
%C32SETUP-I-NETDEV, Defining network device _ESA0: as CRISP$NET00
%VMSINSTAL-I-MOVEFILES, Files will now be moved to their target directories...
```

Installation of HVIEW V1.1 completed at 08:47

VMSINSTAL procedure done at 08:47

\$

Initial Installation on a CRISP/32 System Example

The following is an example of an initial installation of Historian Viewer on a CRISP/32 System.

```
$ @sys$update:vmsinstal hview011 mka200:
```

```
VAX/VMS Software Product Installation Procedure V5.5
```

```
It is 15-NOV-1993 at 09:27.
```

```
Enter a question mark (?) at any time for help.
```

```
* Are you satisfied with the backup of your system disk [YES]?
```

```
Please mount the first volume of the set on MKA200:.
```

```
* Are you ready? y
```

```
%MOUNT-I-MOUNTED, CRISP mounted on _MKA200:
```

```
The following products will be processed:
```

```
HVIEW V1.1
```

```
Beginning installation of HVIEW V1.1 at 09:29
```

```
%VMSINSTAL-I-RESTORE, Restoring product save set A ...
```

```
%VMSINSTAL-I-RELMOVED, Product's release notes have been moved to SYS$HELP.
```

```
+-----+
|           CRISP Historian Viewer Software Installation Procedure           |
|           Release Version:  V1.1                                           |
+-----+
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```

Initial Installation on a CRISP/32 System Example (cont)

During this installation, new files will be provided to replace existing versions. You may purge these older versions to save disk space, or keep

them if you feel they may be of use. Purging is recommended.

* Do you want to purge files replaced by this installation [YES]? **y**

CRISP Historian Viewer requires modifications to the site-specific startup command file (SYSTARTUP_V5.COM for VAX/VMS V5 or SYSTARTUP_VMS.COM for Open VMS V6) and the AUTOGEN parameters file (MODPARAMS.DAT).

This installation will provide examples of these files plus a system-wide login command file (SYLOGIN.COM), and a site-specific logicals command file (SYLOGICALS.COM) in the [CRISP.UTL.SYS] directory. You may also elect to have these files placed in the appropriate system directories (the old versions will NOT be purged).

* Install these files in system directories [YES]? **y**

All questions regarding the installation have been asked. The installation will now continue for another 2-5 minutes.

```
%HVIEW-I-NEWINST, Beginning a new CRISP Historian Viewer V1.1 installation
%HVIEW-I-CRESUBDIR, Creating the CRISP subdirectories
%CREATE-I-CREATED, DISK$USER:[CRISP.][HVIEW.PROF] created
%HVIEW-I-CPYSYSFIL, Processing system command and params files
%HVIEW-I-C32FIL, Processing CRISP Historian Viewer files for [CRISP...]
%HVIEW-I-DEFC32LNM, Defining CRISP logical names
%C32SETUP-I-NETDEV, Defining network device _ESA0: as CRISP$NET00
%VMSINSTAL-I-MOVEFILES, Files will now be moved to their target directories...
```

Installation of HVIEW V1.1 completed at 09:31

VMSINSTAL procedure done at 09:32

\$