

CRISP Automation Systems Documentation

Manual Number: MAN-WWS-INST-030

Subject: Window Workstation V3.0 Installation

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Installation

General

This manual provides a step-by-step installation procedure for Window Workstation, Version 3.0 and later. This procedure can be used for a new installation or for updating an existing Window Workstation system. This manual is broken down into the following sections.

Section	Description
On-Line Release Notes	Defines the location of the release notes and how to access the notes.
Requirements	Defines the system requirements before installation of Window Workstation.
Using VMSINSTAL	Defines the VMSINSTAL command
Installing Window Workstation	Defines the procedures required to install Window Workstation.

NOTE

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

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Refer to the Software Product Description (SPD) document for details on required OpenVMS software.

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On-Line Release Notes

General

On-line release notes are provided with each distribution of Window Workstation. When `VMSINSTAL` is invoked with the `OPTIONS N` parameter, a prompt to print or display the release notes appears during the installation.

After Window Workstation has been installed, the release notes may be printed or typed by accessing the file `SYS$HELP:WWS030.RELEASE_NOTES`.

The release notes for each release of Window Workstation are distributed for those users who are upgrading by several versions at once.

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Requirements

General

Depending on the media and the system configuration, the installation of Window Workstation takes approximately 10 to 30 minutes. The following privileges and resources must be set before Window Workstation can be installed.

- OpenVMS V5.5 or later for VAX, V7.1 or later for Alpha.
- DECwindows Motif V1.1 or later for VAX, V1.2 or later for Alpha.
- CRISP/32 V3.1 or later if Window Workstation is being installed on the same system as CRISP/32.
- SETPRV privileges, or CMKRNL, WORLD, and SYSPRV privileges
- Free disk space as follows (VAX):
 - 4300 blocks on the system disk
 - 6500 blocks on the CRISP disk.
- Free disk space as follows (Alpha):
 - 43000 blocks on the system disk
 - 65000 blocks on the CRISP disk.
- An additional amount of disk space equal to the total of the previous numbers is required on the system disk during installation. This space will be released when the installation completes or otherwise terminates.
- A minimum of 32 MB (VAX) or 128 MB (Alpha) of physical memory.
- A minimum of 50 (VAX) or 500 (Alpha) free global pages.
- A minimum of 8 (VAX) or 80 (Alpha) free global sections at installation.

NOTE

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

License

Installation of the Window Workstation kit may translate the CRISP security file to a new version. The characteristics of the security file depend on whether or not Window

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Workstation Enhanced Security will be used on the system. If Enhanced Security is to be used, its "CRISP-WWSPLUS" license PAK should be installed and loaded before starting the installation process.

Global Pages

The number of global pages on the system may be determined by invoking the VMS Install Utility as follows.

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

The system responds by displaying 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 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 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 8 (VAX, 80 for Alpha) exceeds the maximum number of global sections, the number of global sections must be increased before WWS can be installed. To increase the global sections, the GBLSECTIONS system parameter must be increased by

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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 procedure.

If the number of global sections used plus 8 (VAX, 80 for Alpha) is less than the maximum number of global sections, exit from SYSGEN and continue with the installation.

NOTE

The requirements for global pages and global sections defined in this section are those for installation of WWS only. The requirements for running WWS depends on your system and configuration.

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Using VMSINSTALL

Description

VMSINSTALL is the command procedure invoked to install Window Workstation. Before invoking this command procedure, log into the system management account, username SYSTEM. Execution of the VMSINSTALL command procedure is shown in steps 1 and 2 of the Installing Window Workstation sections of this manual.

Format

The VMSINSTALL command procedure has the following syntax.

```
$ @SYS$UPDATE:VMSINSTALL WWS030 ddcu: [OPTIONS N]
```

ddcu: Represents a device name where the distribution volumes are mounted for the Window Workstation 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 MUA0:.

OPTIONS N Is an optional parameter used if you want to be prompted to display or print the Window Workstation release notes. If omitted, you are not prompted to display the release notes.

How It Works

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

```
$ @SYS$UPDATE:VMSINSTALL
```

When VMSINSTALL is invoked, the following are checked.

- Whether you are logged in to a privileged account. It is recommended that you install

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software from the system manager's account.

- Whether you have adequate quotas for installation. VMSINSTAL checks for the following quota values.
 - ASTLM = 24
 - BIOLM = 18
 - BYTLM = 18000
 - DIOLM = 18
 - ENQLM = 30
 - FILLM = 20

At this point in the installation, VMSINSTAL checks whether any user processes are running. If VMSINSTAL detects these processes, you are prompted as to whether you want to continue the installation. Enter YES to continue or <return> to stop the installation.

If CRISP is running, installation is not possible. The installation kit detects this situation and aborts before any changes are made to the system.

NOTE

Unpredictable results may occur if other users are logged in during the installation.

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Installing Window Workstation

General

This section contains 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 up to that point and returns you to the VMSINSTAL prompt.

Installation Procedure

Perform the following steps to install Window Workstation.

Step 1. Log in to a privileged account.

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

Step 2. Invoke VMSINSTAL

```
$ @VMSINSTAL WWS030 MUA0: OPTIONS N <Ret>
```

OpenVMS VAX Software Product Installation Procedure V7.3

It is 16-AUG-2002 at 19:30

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

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

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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 MUA0:.
Are you ready? **YES** <Ret>

The following products will be processed:

WWS V3.0

Beginning installation of WWS V3.0 at 19:35

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

To continue the installation, mount volume 1 and enter YES.

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 SYSS\$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

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key to send the file to the default output print device. After printing the release notes, VMSINSTAL copies the release notes to SYSS\$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 SYSS\$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 Window Workstation release notes file installed by VMSINSTAL is labeled with the current product name and version number (e.g., WWS030.RELEASE_NOTES). Do not delete release notes for previous versions of WWS.

Step 5. Installation questions

This section shows the questions that are asked during installation.

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

The system directory SYSS\$LIBRARY and the CRISP directories may contain previous versions of WWS 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.

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Enter device name for CRISP WWS files [DISK\$USER:]:

This question is asked only if there was no previous CRISP/32 or WWS installation is found on the system. Enter a logical or physical name for the disk drive on which the majority of WWS files are to be installed. If you are upgrading a previous version of WWS, this should be the same as the disk on which WWS is currently installed. If this is a new installation, a [CRISP] directory and several subdirectories will be created on this disk.

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.

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

This question is only asked if no [CRISP] directory is located on the specified disk. A CRISP account will be created with the UIC specified. 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 if no [CRISP] directory is located on the specified disk. 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.

Enter node name(s) for WSDIR database [XYZ]:

This question is asked only if this is a new installation of Window Workstation, or an upgrade from WWS V1.x. The workstation database, WSDIR, must be located on a CRISP/32 system. This question allows the user to specify which CRISP/32 system will provide that database.

Will the CRISP-WWSPLUS license be installed later [NO]?

This question is asked only if a CRISP security file, CRISP\$CFG:CRISP_UAF.IDX, was found on the system. The format of this file has changed from previous versions, and the

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installation procedure will convert the file, if necessary. The conversion is dependent on whether or not the Enhanced Security license will be installed. If the license has not already been installed, the user is asked if the license will be installed later.

```
Password lifetime, days (0 = none) [x]?
Minimum autologout time, minutes (0 = none) [x]?
Login failure limit (0 = none, 5 max) [x]?
```

These questions are asked only if a CRISP security file, `CRISP$CFG:CRISP_UAF.IDX`, was found on the system. The values for “x” are those previously configured. If not previously configured, default values are presented.

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. Add WWS to the System Startup.

On an initial installation, if you do not take the provided system files, you must add the following line to your system startup file, `SYSTARTUP_VMS.COM` (`SYSTARTUP_VMS.COM` on VMS 5.5).

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

where “ddcn” is the actual disk device on which Window Workstation is installed. See the files in `DISK$USER:[CRISP.UTL.SYS]` for more information.

If the Enhanced Security option is used (license PAK CRISP-WWSPLUS is installed), add the following to the system startup file:

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```
$ DEFINE/SYS CRISP$CIA_NOTIFY SYSTEM
```

This sends all security alerts to user "SYSTEM". A different username can be specified, if desired.

Step 8. Log in to the CRISP account

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

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

Step 9. Set the CRISP password.

If the CRISP account did not already have a password assigned, assign a password now. The following example shows the procedure, but the "abcdefg" password is **not** recommended.

```
$ SET PASSWORD <Ret>  
New password: abcdefg <Ret>  
Verification: abcdefg <Ret>
```

Step 10. Perform Setup and Configuration Operations.

If the system has CRISP/32 installed also, be sure to complete the CRISP installation procedure (@CRISP\$:CRISP_CONFIG) before proceeding. If the system does not have CRISP/32, enter the following commands to setup the Window Workstation software.

```
$ @CRISP$:CRISP_WWS_SETUP <ret>  
$ @CRISP$:CRISP_CONFIG_WWS <ret>
```

Step 11. Move to Window Workstation Display Directory.

Set your default directory to the Window Workstation display directory. If this was a new installation of Window Workstation, there will be no files.

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\$ WSDSPD <ret>

Step 12. Start the Window Workstation.

Enter the following command to execute the Window Workstation.

\$ CWINDOWS <ret>

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