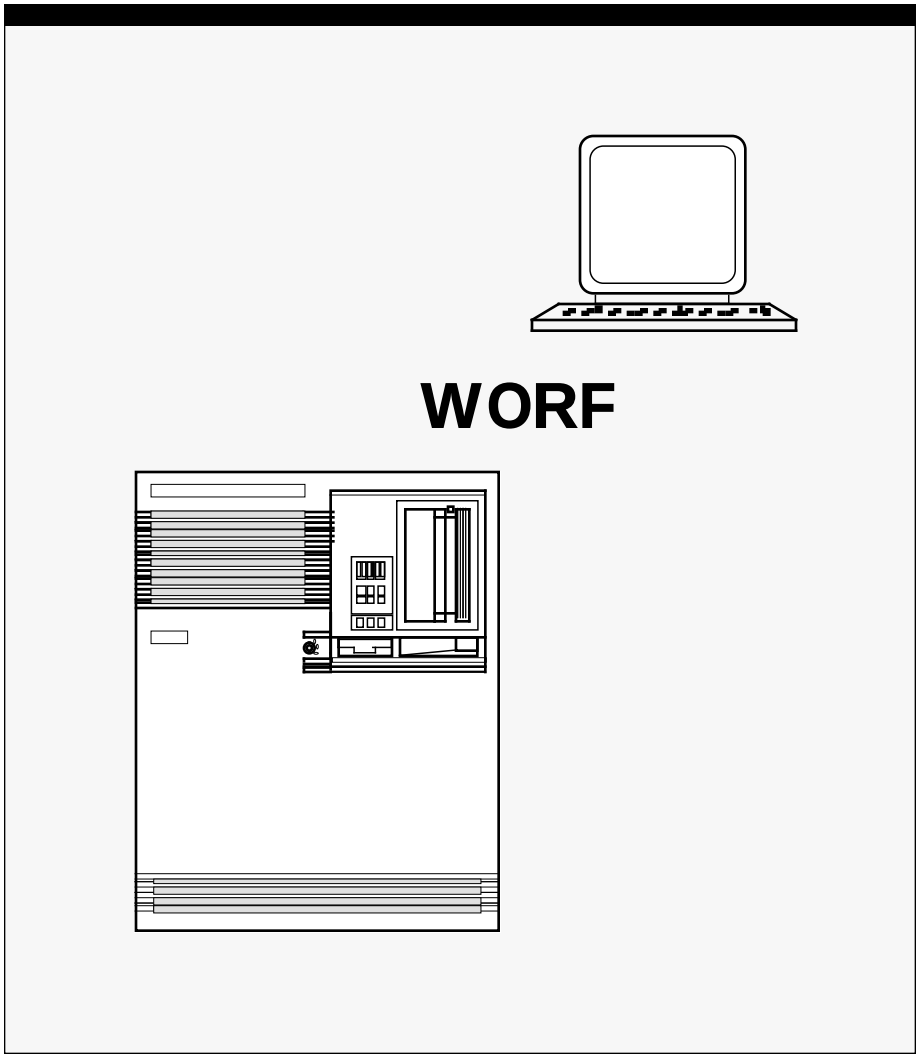
WORF

Installation

Guide

SQUARE D COMPANY
CRISP AUTOMATION SYSTEMS



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Installation Guide

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Software Version WORF Rev. 2.8 and Later

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Table of Contents

Introduction General....1

On-Line Release Notes General....3

Requirements General....5

Using VMSINSTAL
Description....7
Format 7
How It Works....7

Installing WORF
General....9
Installation Procedure....9
CRISP System Installation Example....12
Non-CRISP System Installation Example....14

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Introduction

General

This manual provides a step-by-step installation procedure for WORF, Version 2.8 and later. This procedure can be used for a new installation or for updating an existing installation.

This manual is broken down into the following sections.

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

NOTE

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

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Notes:

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On-Line Release Notes

General

On-line release notes are provided with each distribution of WORF. When VMSINSTAL is invoked with the `OPTIONS` and `N` parameters, a prompt to print or display the release notes appears during the installation (refer to step 4 of the Installing WORF procedures).

After WORF has been installed, the release notes may be printed or typed by accessing the file `SYS$HELP:WORF02`**`n`**`.RELEASE_NOTES`.

Where **n** is the maintenance update of WORF (e.g., `WORF028`).

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Notes:

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General

Depending on the media and the system configuration, the installation of WORF takes approximately 5 to 10 minutes. The following privileges and resources must be set before WORF can be installed.

- VMS V5.3 or later
- If the target system has or is to have CRISP/32 installed, the corresponding version of CRISP/32 (CRISP/32 V2.7 or later) must be installed first.
- Free disk space as follows:
  - 500 blocks on the system disk
  - 750 blocks on either the CRISP disk, if CRISP is also installed, or on the system disk.

  Also, an additional amount equal to the total of the previous numbers is required on the system disk during installation. This space shall be released when the installation completes or otherwise terminates.
- A minimum of 8 Mbytes of physical memory
- SETPRV privileges, or CMKRNL, WORLD, and SYSPRV privileges

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Notes:

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Description

VMSINSTAL is the command procedure invoked to install WORF. 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 WORF section of this manual.

Format

The VMSINSTAL command procedure has the following syntax.

```
$ @SYS$UPDATE:VMSINSTAL WORF02n ddcu: [OPTIONS N]
```

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

An asterisk (*) may also be typed in place of `WORF02n`.

ddcu: Represents a device name where the distribution volumes are mounted for the WORF 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 a pair of optional parameters used if you want to be prompted to display or print the WORF 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.

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How It Works (cont)

- 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

  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.

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General

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

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

Installation Procedure

Perform the following steps to install WORF, Version 2.8 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 WORF02n MUA0: OPTIONS N <Ret>
```

Where **n** is the maintenance update of WORF (e.g., WORF028).

```
      VAX/VMS Software Product Installation Procedure V5.4-1


It is 12-AUG-1991 at 11:59.

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

* Are you satisfied with the backup of you 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 MUA0:.
* Are you ready? YES <Ret>
The following products will be processed:

  WORF V2.n


    Beginning installation of WORF V2.n at hh:mm

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

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

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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 CRTL/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 CRTL/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 WORF release notes file installed by VMSINSTAL is labeled with the current product name and version number (e.g., WORF028.RELEASE_NOTES). Do not delete release notes for previous versions of WORF.

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Installation Procedure (cont)

Step 5. Select installation options

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

The system directory SYS$LIBRARY and the CRISP directories may contain previous versions of CRISP 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.

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.
```

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CRISP System Installation Example

The following is an example of an installation of WORF on a CRISP/32 System.

```
$ @SYS$UPDATE:VMSINSTAL WORF028 MUA0:

    VAX/VMS Software Product Installation Procedure V5.3


It is 2-OCT-1990 at 15:24.

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 MUA0:.
* Are you ready? Y
%MOUNT-I-MOUNTED, WORF mounted on _MUA0:
The following products will be processed:

  WORF V2.8

    Beginning installation of WORF V2.8 at 15:24

%VMSINSTAL-I-RESTORE, Restoring product save set A ...
%VMSINSTAL-I-RELMOVED , The product's release notes have been successfully moved to SYS$HELP.

    +-------------------------------------------------------------+
    |        WORF Development Software Installation Procedure     |
    |                Release Version:  V2.8-0                     |
    +-------------------------------------------------------------+
    |                     COPYRIGHT (c) 1990                      |
    |                                                             |
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    +-------------------------------------------------------------+



    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]?
```


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CRISP System Installation Example (cont)

```
    All questions regarding the installation have been asked.  The
    installation will now continue for another 5-10 minutes.

%WORF-I-UPDUSRTLB, Updating the CRISPUSERLIB.TLB text library
%WORF-I-C32FIL, Copying WORF files to [CRISP...]
%VMSINSTAL-I-MOVEFILES, Files will now be moved to their target directories...
    Installation of WORF V2.8 completed at 15:25

    VMSINSTAL procedure done at 15:25
```

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Non-CRISP System Installation Example

The following is an example of an installation of WORF on a system that does not have CRISP/32 installed.

```
$ @SYS$UPDATE:VMSINSTAL WORF028 MUA0:

    VAX/VMS Software Product Installation Procedure V5.3


It is 2-OCT-1990 at 15:20.

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 MUA0:.
* Are you ready? Y
%MOUNT-I-MOUNTED, WORF mounted on _MUA0:
The following products will be processed:

  WORF V2.8

    Beginning installation of WORF V2.8 at 15:20

%VMSINSTAL-I-RESTORE, Restoring product save set A ...
%VMSINSTAL-I-RELMOVED , The product's release notes have been successfully moved to SYS$HELP.

    +-------------------------------------------------------------+
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    |                Release Version:  V2.8-0                     |
    +-------------------------------------------------------------+
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    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]?
```


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Non-CRISP System Installation Example (cont)

```
    All questions regarding the installation have been asked.  The
    installation will now continue for another 5-10 minutes.


    Your VMS system will now be updated to include the following files:

        SYS$LIBRARY:CRISPRTL.EXE
        SYS$LIBRARY:CRISPWORFRTL.EXE
        SYS$LIBRARY:CRISPUSERLIB.TLB
        SYS$STARTUP:WORF_STARTUP.COM
        SYS$EXAMPLES:WORF_EXAMPLE_*.*
        SYS$HELP:WORF*.RELEASE_NOTES

    You must add the following line to your system startup procedure,
    SYS$MANAGER:SYSTARTUP_V5.COM :

        $ @SYS$STARTUP:WORF_STARTUP ddc0: [ddc0:]

    where "ddc0:" should be replaced by the device name(s) of the network
    devices (i.e., XQA0:) that WORF is to use for communications.  The
    startup procedure will define system logical names CRISP$NET00 and
    CRISP$NET01 to refer to the device(s).

    If this installation is performed on a cluster, you must execute
    the above line on all other nodes in the cluster.

%VMSINSTAL-I-MOVEFILES, Files will now be moved to their target directories...
    Installation of WORF V2.8 completed at 15:21

    VMSINSTAL procedure done at 15:21
```

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