

AccuRev Version 4.5 with AccuWorkflow Installation and Release Notes

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AccuRev Installation Notes

Installation of AccuRev Configuration Management software on a machine involves running an installation “Wizard” program, after downloading it from the AccuRev Web site. One machine at your site should be installed as the “Server” machine — the one that runs the AccuRev Server process and hosts the AccuRev data repository. Any number of other machines can be installed as “Client” machines.

Each machine must be installed separately. There is no batch-installation capability, but you can perform a non-interactive installation, driven by a simple configuration file. (See *Non-Interactive Installation (Unix/Linux only)* below.)

We present an overview of the installation process here. The wizard aims to be self-explanatory, but if you’d like a detailed, step-by-step description of the installation process, see the “Quick Evaluation” chapters in *AccuRev Technical Notes*.

Upgrading from an Earlier Version?

AccuRev Version 4.5 with AccuWorkflow uses a different license key from previous versions. You need a license key for product “accuworkflow” to run this version of AccuRev. This single license key takes the place of both the “accurev-ent” and “dispatch” license keys from prior versions. Please contact support@accurev.com to obtain the license key.

Upgrading a machine from an earlier AccuRev release is easy. You are not required to uninstall any existing software. You can install the new release “right on top of” the existing release — the installation Wizard lets you preserve your development data and configuration files. On the server machine — the one that runs the AccuRev Server process — installation of the new release automatically upgrades the data repository to the new release level.

Note: On Windows machines that are running the AccuRev client, we recommend that you uninstall the existing version of AccuRev before installing AccuRev 4.5 with AccuWorkflow. Failing to first uninstall the existing version has two bothersome side-effects: First, the entry for the previous release is not removed from the **Add or Remove Programs** applet in the Windows control panel. Second, there is a documentation mismatch. The documentation links under the AccuRev icon in the Windows Start menu will continue to point to the old documentation, while the documentation links under the Help menu in the AccuRev application will point to the new documentation.

Getting Ready to Run the Wizard

We assume that you’ve already downloaded a file containing the installation Wizard from the Downloads page of the AccuRev, Inc. Web site. If not, perform the download now, then return to these instructions.

If the file you downloaded is the Wizard itself (Windows: **AccuRevInstall.exe**, Unix: **AccuRevInstall.bin**), then you’re all ready to run the Wizard.

If you downloaded a compressed package (a file with a **zip** or **gz** suffix), you must first extract the Wizard from the package. Many extraction tools are freely available. There are handy links to such tools on the Downloads page; and the **unzip** and **gunzip** programs are standard on many Unix systems.

Now that you're ready to run the Wizard, you can proceed to the appropriate section below. When we instruct you to "start the Wizard", keep in mind these tips:

- If you are using a window system (Microsoft Windows or the X Window System) and can see the file as an icon, double-click it to launch the wizard in graphical mode.
- If you're using a command shell, go to the directory where you downloaded the file, and type one of these commands:

```
AccuRevInstall          (on Windows)
sh AccuRevInstall.bin   (on Unix/Linux)
```

This always launches the Wizard in graphical mode on Windows. On Unix/Linux, it launches the Wizard in graphical mode only if the X Windows System DISPLAY environment variable is set. Otherwise, it launches the Wizard in console (text) mode.

First-Time Installation — Client or Server

Start the Wizard. You'll be up and running in just a few minutes!

Upgrading a Client (Non-Server) Machine

Start the Wizard. If you choose a Custom installation, be sure to select **No** when the Wizard asks, "Do you want to install new configuration files?".

Upgrading a Server Machine

1. Stop the AccuRev Server process. On Unix/Linux systems, use the command **acservctl stop**. The **acservctl** program is located in the AccuRev **bin** directory. On Windows systems, you can use the Services applet to stop the AccuRev Server process, or the command **net stop accurev**.
2. Perform a full backup of the AccuRev data repository. For detailed instructions, see section *Backing Up the Repository* on page 3 of the *AccuRev Administrator's Guide*.
3. Start the Wizard. If you choose a Custom installation, be sure to select **No** when the Wizard asks, "Do you want to install new configuration files?". Similarly, select **No** when asked about replacing your license key file. Installation automatically upgrades the AccuRev data repository on the server machine. (There is no way to "downgrade" the data repository, for use with an earlier version of the AccuRev Server.)
4. Verify that the new AccuRev Server process has been started, by running the command **accurev info**. If you need to start the Server process manually, use the command **acservctl start** on Unix/Linux systems. On Windows systems, use the Services applet or the command **net start accurev**.

Non-Interactive Installation (Unix/Linux only)

On a Unix or Linux, system, you can run the AccuRev installation program **AccuRevInstall.bin** as a non-interactive “console program” instead of as a wizard. Follow these steps:

1. Create an installation configuration file by copying the sample text below. This text is also available for download from the Downloads page of the AccuRev, Inc. Web site.
2. Revise the settings in the configuration file, as appropriate for the target machine.
3. Invoke the installation program as follows:

```
sh AccuRevInstall.bin -i SILENT -f <config-file-pathname>
```

You must use a full pathname to specify the installation configuration file. Use the following text as a template for the configuration file:

```
###
### AccuRev InstallAnywhere SILENT installation config file
###
#
# Unix/Linux usage:  sh AccuRevInstall.bin -i SILENT -f <config-file>
# Windows usage:     AccuRevInstall -i SILENT -f <config-file>
#

# this setting enables use of this config file; do not change.
INST_ROOT=true

# location of AccuRev installation directory (OK to already exist)
# installer creates subdirectories bin, doc, jre, etc.
USER_INSTALL_DIR=/opt/accurev

# un-comment exactly one of the following lines.
#CHOSEN_INSTALL_SET=Client
CHOSEN_INSTALL_SET=Full

# Client install: hostname of machine to run AccuRev Server process.
# Full install: this setting ignored, hostname of local machine used.
SERVER_HOSTNAME=myhost

# The traditional port for the AccuRev Server is 5050. But you can
# change it to any number. We recommend the range 5000 - 6000.
SERVER_PORT=5050

# Full install: full pathname of a valid license key file.
# installer copies this file into site_slice dir, as "keys.txt".

LICENSE_KEY_FILE=/path/to/license-key-file
```

Note: the `SERVER_PORT` setting does not work in this release. The installation program places port number **5050** in the **acclient.cnf** and **acserver.cnf** files (if it creates them), no matter what value you specify in the configuration file. After installation, you can edit these files manually to configure another port number.

AccuRev Release Notes

Please read these Release Notes to familiarize yourself with the changes in AccuRev for Version 4.5 with AccuWorkflow.

Platform Support

AccuRev Version 4.5 with AccuWorkflow is not supported on these versions of Microsoft Windows, which were supported in prior releases:

Windows 98 Windows ME Windows NT

These versions of Windows do not support *junction points* in the file system, a feature that is used in the implementation of AccuRev directory links. See [Version Control of File System Links](#).

Prior versions of AccuRev continue to be supported on these versions of Windows.

Compatibility with Previous Versions of AccuRev

AccuRev Version 4.5 with AccuWorkflow programs are incompatible with all prior AccuRev releases. If you are upgrading from a pre-V4.5 with AccuWorkflow release of AccuRev, you must upgrade the machine that runs the AccuRev Server software, along with all the machines that run AccuRev client software.

No explicit conversion is required to bring the AccuRev data repository from any prior level to the Version 4.5 with AccuWorkflow level. When you install Version 4.5 with AccuWorkflow on the machine that runs the AccuRev Server software (this machine also hosts the data repository), the repository will be upgraded automatically, if necessary.

Compatibility with Versions of the Java Runtime Environment

Version 4.5 with AccuWorkflow is fully compatible with both Versions 1.3.x, 1.4.x, and 1.5.x of the Java 2 Runtime Environment (JRE).

Source Code Availability

In accordance with the GNU open-source policy, the source code for the AccuRev programs **acdifff** and **acdifff3** is available at this Web address:

http://www.accurev.com/download/open-source/acdifff_source.zip

These programs implement text-file comparison and merging operations.

Principal Enhancements in Version 4.5 with AccuWorkflow

The following sections summarize the product enhancements in AccuRev Version 4.5 with AccuWorkflow.

AccuWorkflow Enhancements to AccuWork

AccuWork now includes a workflow capability, which formalizes the idea that an issue record goes through a set of stages — from the time it is first created, reporting a software defect or submitting a request for a product enhancement, through the tasks of scheduling, personnel assignment, development, testing, and final approval.

The workflow capability is available as AccuWorkflow, an upgrade to AccuRev Enterprise Edition. AccuWorkflow requires a separate license key, which replaces both the existing “accurev-ent” and “dispatch” license keys.

The workflow for an AccuWork issue database is defined on the Workflow subtab of the Schema Editor. Each issue database can have its own set of workflow stages, along with workflow transitions that connect the stages.

The AccuWork Queries tab now features a Workflow Query mode, in which users can use a point-and-click interface to determine which issue records are in a particular workflow stage. They can filter the listing by project and/or by assigned user.

The Stream Browser now features a Workflow mode, in which users can see which issue records are in a particular workflow stage. Drag-and-drop operations make it easy to transition selected issue records through the workflow.