

Sablime[®] v6.1

Web Sablime Installation and Upgrade Guide April 2005

Revised 8/11/2005 – Changed task 2 in "Tasks for System Administrator" to specify "ksh" instead of "sh".
Revised 17Apr2006 – Updated URLs to reflect new layout of Sablime product web site.

What this Guide Covers

This guide provides Web Sablime installation information and instructions for the Sablime Administrator and for the System Administrator. The guide applies to new installations and also to upgrades from previous (pre-v6.0u1) versions of Web Sablime.

The Sablime Administrator is the owner of Sablime binaries and databases. The System Administrator is a user that has "root" privileges on the host machine. Tasks defined for the System Administrator must be run as root (i.e. while logged in as the "root" user).

Web Sablime upgrade is not required for upgrading from v6.0, update 1, update 2, or update 3 (v6.0u1, v6.0u2, or v6.0u3).

If you already had a working v6.0u1, u2, or u3 Web Sablime instance, and you followed the instructions in the Sablime v6.1 Upgrade Guide, then your Web Sablime instance will already be updated.

Prerequisites for the Sablime Administrator

1. Host Sablime

An instance of Sablime v6.1 must be present on the intended Web Server host. The instance must have at least one Sablime "product" with at least one "generic". A properly running instance will be able to execute licensed Sablime commands, and be able to run "hotline.ck" and "setperm" without failures.

Note that the Web Server host can be an NFS client of the Sablime host, as long as the Web Server has full access to all the Sablime databases.

2. SABHOME (and password file) location

The Sablime Administrator will need to tell the System Administrator where the Sablime binaries are stored. We refer to this location as *SABHOME*. If this is an update of an existing Web Sablime instance and it is desired to re-use the existing Web Server password file, then the Sablime Administrator will need to tell the System Administrator the location of that file too.

Prerequisites for the System Administrator

1. Review the [Sablime v6.1 Web Sablime Security Guide](#).

This will help choose appropriate entries for the "config.input" file.

2. Web Server

A fully operational Web Server should be running on the Unix* / Linux* host.

Web Sablime is designed for use with the Apache* web server. To avoid some serious Apache security problems, use version 1.3.27 or later, or 2.0.43 or later.

3. Perl

Perl (version 5.004_01 or later) must be installed on the host.

4. "C" Compiler

The host must have an ANSI "C" compiler installed and operable.

Tasks for the System Administrator

1. Update "config.input" file

"cd" to *SABHOME*/web/root_install. *SABHOME* is the location where the Unix/Linux Sablime binaries are installed. There should be a file in *SABHOME*/web/root_install named "config.input.tpl". Rename or copy this file to "config.input"; do "chmod 644 config.input"; and then edit the file. The comments in the file should explain which items need updating.

In particular, note that *ROOT_INSTALL_DIR* defaults to the current directory (i.e. *SABHOME*/web/root_install). This directory is where the log files and the setuid-root executables (sabexec and sabpasswd) will exist. If *SABHOME*/web/root_install is on an NFS mounted filesystem, root might not be able to write to this directory. Set *ROOT_INSTALL_DIR* to a root-writable directory.

Also, if you specify a non-default location for the Web Sablime password file (the variable *WSAB_PASSWD_FILE* in *SABHOME*/web/root_install/config.input), be sure to specify a full pathname (directory plus intended filename), not just a directory.

2. Execute "wsab_install"

While still in *SABHOME*/web/root_install, execute "ksh ./wsab_install". This must be done as root. When wsab_install completes successfully, the following message will be displayed:

```
Root installation complete.
```

If problems are reported by wsab_install, it is usually due to errors in the "config.input" file. Re-edit it and re-run wsab_install.

3. Restart the Web Server

Note: If this is an update to a previous Web Sablime instance, before re-starting the web server, go to the server's conf directory and edit the "httpd.conf" file: remove the lines that were added by the previous Web Sablime. Remove all the lines between

```
#### BEGINNING of a generated part of configuration
#### file dated <some date>
```

and

```
#### END of a generated part of configuration
#### file dated <same date>
```

These lines were added by the old Web Sablime configuration. The new version uses an "Include" statement to add the Sablime configuration items. Be sure not to delete the "Include" statement.

Tasks for the Sablime Administrator

1. Update "post_install"

"cd" to SABHOME/web/admin and view the file "post_install". Review the internal comments in the first few lines of the file to see if any modification is necessary.

2. Execute "post_install"

Web Sablime uses a file named "prodGen" to identify the products and generics that will be accessible from the web.

If updating an existing Web Sablime instance, verify that the existing prodGen file contains only v6.1 products, and then execute `./post_install /path/to/directory` where the `/path/to/directory` locates the existing prodGen file. Otherwise, just execute `./post_install`, and the script will ask for a specific generic, and will use that to initialize a prodGen file.

The Sablime Administrator can add other products and generics later by editing the prodGen file (located in SABHOME/web/wsab).

3. Establish user passwords and JRE

If the web server password file was not brought forward from an earlier instance, each user who needs access to Web Sablime must log in to the web server host and execute `"SABHOME/sabpasswd"` in order to create a Web Sablime password. Since these web server passwords are inherently less secure than system passwords, users should be discouraged from using their system password as a web server password.

All Web Sablime users will need a Java*-enabled browser. If the browser does not include its own Java engine, the user will need to install the Java Runtime Environment on the client machine. Users who run the "smerge" command will need the Java Runtime Environment in any case. This may or may not already be present.

4. Verify Installation Success

Web Sablime should now be fully functional. To verify, use a browser to connect

to the URL `http://server_name:port_number/docs/wsab.html`. The server name and port number are defined in the web server's "httpd.conf" file. Log in and execute "wsabcheck" from the "Sablime Commands -> Administration" menu of the "Classic" interface. This will do a quick audit of the Web Sablime instance and should not report any problems.

Maintenance Tasks

1. Log file maintenance

The System Administrator should be aware that the web server log files will grow over time. There is no automatic maintenance, so the System Administrator should periodically truncate the log files as local disk space availability conditions require.

2. Perl location change

If the path to the preferred "perl" executable changes, the Sablime Administrator should update the value of "PERL" in the "reset_perl" script at *SABHOME/web/admin* and then run the script as `./reset_perl`. This will update the other Web Sablime perl scripts.

3. Add or delete Sablime products and generics

The Sablime Administrator can add or delete products and generics to the list of Web Sablime accessible ones at any time by modifying *SABHOME/web/wsab/prodGen*.

4. Clean-up of old Web Sablime files

After completing these instructions, most Web Sablime related files have been placed into the "wsab" directory under *\$sabLCB*. If this is an upgrade from an earlier version of Web Sablime (pre-v6.0u1) and you are satisfied that the installation was successful, you can remove the old Web Sablime directories (and their contents) that were located under your old Server Root directory: *wsab*, *merge*, *wsabJSolver*, *images*, *VHELP*, *webVHELP*, and *docs*.

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