

VSI Git V2.44-1C for OpenVMS

Release Notes

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Operating Systems: VSI OpenVMS IA-64 Version 8.4-2L1 or higher
VSI OpenVMS x86-64 Version 9.2-3 or higher

Software Version: VSI Git Version 2.44-1C for OpenVMS

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1. Introduction

Git (<https://git-scm.com/>) is a popular open-source distributed version control system.

VSI Git for OpenVMS is a port of Git for the VSI OpenVMS operating environment. This port enables OpenVMS users to utilize Git source code management capabilities, which should facilitate distributed development, code versioning, and collaboration across teams.

VSI Git for OpenVMS is released under the GNU General Public License version 2 (GPLv2).

This version of VSI Git for OpenVMS is based on the Portable Git distribution available at <https://github.com/git/git/releases/tag/v2.44.0>.

2. What's New in This Release

VSI Git V2.44-1C for OpenVMS features the following enhancements and bug fixes:

- VSI Git now supports hooks.
- A conflict that occurred when a folder and a logical entity had the same name has been fixed. The system now correctly prioritizes existing folders over logical entities.
- An issue that caused the `git rebase --abort` command to fail with the ACCVIO error has been fixed.

3. Requirements

3.1. Software Requirements

VSI Git V2.44-1C for OpenVMS has been compiled and built using the operating system and compiler versions listed below. VSI does not recommend installing and using this kit on older versions.

- VSI OpenVMS IA-64 V8.4-2L1 or higher; note the following additional requirements:
 - On VSI OpenVMS IA-64 V8.4-2L1, the ECO VMS842L1I_RTL-V0900 kit or later is required.
 - On VSI OpenVMS IA-64 V8.4-2L3, the ECO VMS842L3I_RTL-V0900 kit or later is required.

Note

The RTL ECO kits mentioned above require their respective DPML V0200 ECO to be installed first.

- VSI OpenVMS x86-64 V9.2-3 or higher
- ODS-5 file system
- VSI SSL3 V3.0-18 or higher
- VSI Vim for OpenVMS

Important

You do not need to install VSI Vim if you are using GNV. VSI Vim is a part of GNV and is located in the GNV/BIN directory.

The file VIM.EXE must be assigned the Owner:RWED privilege.

- GNV (only if you will be using Git hooks)

3.2. Before You Begin

Before you start using VSI Git for OpenVMS, consider the following:

- Before running Git commands that modify the working directory or history (such as **git stash**, **git reset**, **git merge**, or **git checkout**), ensure that no more than one version of each file exists in the working directory. If necessary, remove the older versions via the following command:

```
$ PURGE
```

- To ensure that the output of the **git branch** command is displayed correctly, enter the following command before using Git:

```
$ SET TERMINAL/INQUIRE
```

- To accept the extended format names, enter the following command:

```
$ SET PROCESS/PARSE_STYLE=EXTENDED
```

4. Related Documentation

Before installing and using VSI Git for OpenVMS, VSI recommends that you read the official documentation for open-source Git in order to better understand the software.

5. Installing the Kit

VSI Git V2.44-1C for OpenVMS is provided as an OpenVMS PCSI kit that a suitably privileged user can install by running the following command:

```
$ PRODUCT INSTALL GIT
```

Warning

Do not use the **/DESTINATION** qualifier with the **PRODUCT INSTALL** command when installing VSI Git for OpenVMS x86-64 to specify an alternative (non-default) installation location. Git components are bundled with the VSI OpenVMS for x86-64 operating system, which imposes specific requirements in terms of location of these components and all associated configuration files.

Your installation output will look similar to the following:

```
The following product has been selected:  
VSI I64VMS GIT V2.44-1C                Layered Product [Installed]
```


Logical Name	Description
GIT\$ROOT	Git installation directory.

8. Supported Commands

VSI Git V2.44-1C for OpenVMS supports the following Git commands:

<code>githooks</code>	<code>git add</code>	<code>git apply</code>	<code>git branch</code>
<code>git bisect</code>	<code>git blame</code>	<code>git status</code>	<code>git checkout</code>
<code>git cherry</code>	<code>git clone</code>	<code>git commit</code>	<code>git config</code>
<code>git describe</code>	<code>git diff</code>	<code>git fetch</code>	<code>git grep</code>
<code>git help</code>	<code>git init</code>	<code>git log</code>	<code>git merge</code>
<code>git mv</code>	<code>git notes</code>	<code>git pull</code>	<code>git push</code>
<code>git range</code>	<code>git rebase</code>	<code>git reset</code>	<code>git restore</code>
<code>git revert</code>	<code>git rm</code>	<code>git shortlog</code>	<code>git show</code>
<code>git stash</code>	<code>git switch</code>	<code>git tag</code>	<code>git worktree</code>

VSI OpenVMS supports the **HELP GIT** command, which brings up a list of supported Git commands and a list of issues and limitations applicable to the current release of VSI Git for OpenVMS.

9. Known Issues and Limitations

- An RPC error may occur when executing Git commands, typically due to network issues, working with large files, or limitations with Git configurations. The error message may look similar to the following:

```
error: RPC failed; curl 18 HTTP/2 stream 1 was not closed cleanly before end
of
the underlying connection
error: 386 bytes of body are still expected
fatal: early EOFpected disconnect while reading sideband packet
```

To resolve this issue, you can utilize one of the following workarounds:

- Switch to SSH authentication (for example, `git@`).
- If the issue occurred when cloning a git repository, perform a shallow clone by using the `--depth` option with the `git clone` command.
- When downgrading VSI Git for OpenVMS from V2.44-1C to V2.44-1A, you must first uninstall the current version before attempting to install the older version.