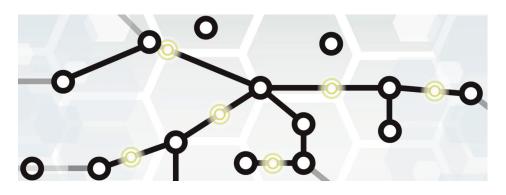# Git for GUARDIAN

Git has emerged as the leading SCM solution for the software community. Created by the LINUX project, recently embraced by Microsoft in a big way, git is available on most major platforms including HPE NonStop.

Functionality

NSGit extends the industry standard capabilities of git to GUARDIAN. NSGit translates ENSCRIBE artifacts, including EDIT files, structured data, DDL dictionaries, and POBJ files, into git-compatible format. This has some key benefits:

- EDIT files can be shared with OSS and NSDEE as standard source files with user-friendly names in both spaces allowing seamless sharing of file definitions across platforms.

- Releases can be transported from development, QA, production, and back to development, using standard git mechanisms and translated back to GUARDIAN at the destination.

- Off-the-street developers, who should already know git, are immediately productive in GUARDIAN without the need for any training on proprietary SCM solutions.

- Closed-loop change tracking that identifies all contributors to your code, including vendors, developers, and operations staff.

- Instant change detection in production if someone modifies configurations.

- Implemented with a secure connection to and from the NonStop using NonStop SSH (preferred method), OpenSSH, or NonStop SSL.

By adding NSGit into your environment, you can take advantage of the git eco-system, including full integration with NSDEE, code review capabilities through Gerrit, robust repository management systems like GitHub Enterprise and Bitbucket Server, and issues management systems including JIRA. NSGit also extends git by providing support for product installation and fallback scripting, and shared user installation auditing. NSGit is truly the glue that unifies GUARDIAN and OSS to support bimodal development, modernization, and migration to happen in a well managed shop.

Git for GUARDIAN

Technical Specifications

System Requirements

Hardware	H-Series (H06.25+) or J-Series (J06.18+) L-Series (L17.08+)
Software	git 1.8.0 or better. OpenSSH 1.0.2 or better. or NonStop SSH ACK (H/J-series), ACL (L-series)
Languages NLS	NSGit is a single C-based native object. English versions are currently available. Other languages can be added on request.

Supported HPE Platforms

Hardware	HPE NonStop H/J-Series Server HPE NonStop L-Series Server
Software	NonStop Operating System and OSS RVU H06.25+, J06.18+, L17.08+ NonStop SSH ACK or higher. A small footprint OSS is required for git.
Workstations	Any workstation. NSGit can be run via T6530 emulators or putty.
ECLIPSE IDE	Optional. NSGit provides git compatible repositories that can be used in any NSDEE installation where git is available or installed.

Ordering information

Please contact your comforte representative or email i.sales@comforte.com to find out more about NSGit by Nexbridge. Annual license and maintenance fees per host apply. All information is subject to change.
Please visit www.nexbridge.com/products/host-nonstop/nsgit/ for more information.

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