

Xcode Server Environment Variable Reference

Xcode Server defines a number of built-in environment variables, which you may use in Run Script build phases that execute as part of your integration, in pre-integration triggers, and in post-integration triggers. Information provided by some of these variables is useful when making Xcode Server API requests. For information about the Xcode Server API, see [Xcode Server API Reference](#).

NOTE

In addition to the built-in Xcode Server environment variables, you can also define custom environment variables during bot configuration.

Table 5-1 Xcode Server Environment Variable Reference

Variable	Availability	Description
XCS	Xcode 7 and later	The value of this variable is always 1. A script can check this value to determine if it's running in the context of Xcode Server.
XCS_BOT_NAME	Xcode 7 and later	The name of the bot being run.
XCS_BOT_ID	Xcode 7 and later	The ID of the bot. Bot IDs can be used in Xcode Server API requests.
XCS_BOT_TINY_ID	Xcode 7 and later	A short version of a bot ID. Some Xcode Server API requests use this information.
XCS_INTEGRATION_ID	Xcode 7 and later	The ID of the integration. Bot IDs can be used in Xcode Server API requests.
XCS_INTEGRATION_TINY_ID	Xcode 7 and later	A short version of an integration ID. Some Xcode Server API requests use this information.
XCS_INTEGRATION_NUMBER	Xcode 7 and later	The number of times the integration has been run.
XCS_INTEGRATION_RESULT	Xcode 7 and later	A string indicating the result of the integration, such as succeeded, test-failures, build-errors, and canceled. This variable is intended for use in post-integration trigger scripts.
XCS_SOURCE_DIR	Xcode 7 and later	The top-level directory containing source code repositories for Xcode Server. For the path to a repository itself, see XCS_PRIMARY_REPO_DIR.
XCS_OUTPUT_DIR	Xcode 7 and later	The top-level directory where resources, including logs and products, are stored during integration.
XCS_DERIVED_DATA_DIR	Xcode 7 and later	The derived data directory. Xcode Server builds in a non-standard location, so this directory is bot-specific.
XCS_XCODEBUILD_LOG	Xcode 7 and later	The path to an output file produced by the xcodebuild commands run during the integration.
XCS_ARCHIVE	Xcode 7 and later	The path to the .xarchive file, if archiving occurred during the integration.
XCS_PRODUCT	Xcode 7 and later	The path to the .app, .ipa, or .package file, if a product was exported from an archive during the integration.
XCS_ERROR_COUNT	Xcode 7 and later	The total number of errors encountered during the integration.
XCS_ERROR_CHANGE	Xcode 7 and later	The change in error count since the previous integration. This value can be negative.

Variable	Availability	Description
XCS_WARNING_COUNT	Xcode 7 and later	The total number of warnings encountered during the integration.
XCS_WARNING_CHANGE	Xcode 7 and later	The change in warning count since the previous integration. This value can be negative.
XCS_ANALYZER_WARNING_COUNT	Xcode 7 and later	The total number of static analyzer warnings encountered during the integration.
XCS_ANALYZER_WARNING_CHANGE	Xcode 7 and later	The change in static analyzer warning count since the previous integration. This value can be negative.
XCS_TEST_FAILURE_COUNT	Xcode 7 and later	The total number of test failures encountered during the integration.
XCS_TEST_FAILURE_CHANGE	Xcode 7 and later	The change in test failure count since the previous integration. This value can be negative.
XCS_TESTS_COUNT	Xcode 7 and later	The total number of tests performed by the integration.
XCS_TESTS_CHANGE	Xcode 7 and later	The change in test count since the previous integration. This value can be negative.
XCS_THINNED_PRODUCTS_PLIST	Xcode 8 and later	The path to a property list file (.plist) describing thinned .ipa files exported and their corresponding variants. This property list file only exists when thinning is performed.
XCS_THINNED_PRODUCTS_PATH	Xcode 8 and later	The directory containing any thinned .ipa files exported during the integration.
XCS_PRIMARY_REPO_DIR	Xcode 8 and later	The path to the source code repository for the Xcode project or workspace being integrated. For the parent directory containing the source code repositories for Xcode Server, see XCS_SOURCE_DIR.
XCS_PRIMARY_REPO_BRANCH	Xcode 8 and later	The branch of the primary source code repository used to check out the project or workspace being integrated. Only used when checking out a branch.
XCS_PRIMARY_REPO_TAG	Xcode 8 and later	The tag of the primary source code repository used to check out the project or workspace being integrated. Only used when checking out a tag.
XCS_PRIMARY_REPO_REVISION	Xcode 8 and later	The SVN revision number or Git hash of the commit used to check out the project or workspace being integrated out of the primary source code repository. Only used when not checking out a branch or a tag.