VMS Software Inc.

Another Neat Tool (Ant) for OpenVMS

Readme File - Installation Guide and Release Notes

Version 1.7-1B

DECEMBER 2019

Introduction

Apache Another Neat Tool (Ant) 1.7-1B is a Java-based build tool,
similar to make.

This kit is a port of Apache Ant 1.7-1 to the OpenVMS environment.
This version of Ant 1.7-1 has been modified from the original
Ant distribution found at http://ant.apache.org. The modifications
were required to allow for differences in behavior on OpenVMS.

Requirements

Software Requirements

The following are the software requirements:

    - Java 1.6 or higher
    - OpenVMS Integrity V8.4 or later

Hardware Requirements

The following are the hardware requirements for the Ant 1.7-1B:

    - Itanium processor
    - Installation disk must be formatted as an ODS-5 disk
    - 1GB RAM (minimum)
    - 600mhz processor (minimum)

Installation Instructions

Ant has separate installation files for Integrity servers and Alpha systems.
To install ANT 1.7-1B:

1. Expand the Ant 1.7-1B compressed EXE file by entering one of
    following commands, depending on the platform on which you
    are installing the kit:

        $ RUN VSI-I64VMS-ANT-V0107-1B-1.ZIPEXE ! for OpenVMS Integrity server
        $ RUN VSI-AXPVMS-ANT-V0107-1B-1.ZIPEXE ! for OpenVMS Alpha

    Each EXE file contains the files VSI-I64VMS-ANT-V0107-1B-1.PCSI$COMPRESSED
    and VSI-I64VMS-ANT-V0107-1-1.PCSI$COMPRESSED_ESW (the signed manifest file).

2. Start PCSI, the utility that installs ANT 1.7-1B for OpenVMS
    by entering the following command. (PCSI installs the
    PCSI$COMPRESSED file directly; you do not need to expand it.)

        $ PRODUCT INSTALL ANT

3. Follow the on-screen installation instructions.

    To proceed with a default installation, press Enter/Return in
    response to any other installation questions.

    Ant 1.7-1B will be installed into PCSI$DESTINATION:[ANT_17]

Using Ant

Follow these steps to define the logical name for Ant and to use Ant:

1. The logical name ANT$HOME must be defined to use Ant 1.7-1
    for OpenVMS. The directories used in the following examples
    assume that Ant has been installed in the default location,
    SYS$COMMON:[000000].

        $ DEFINE ANT$HOME SYS$COMMON:[ANT_17]

2. The symbol "ANT" must be defined, for example:

        $ ANT :== @SYS$COMMON:[ANT_17.BIN]ANT.COM

    Then the command "ant" can be used, for example:

        $ ant "-version" ! must quote DCL params

Sample Post installation steps (if installed into the default destination)

```
$ @sys$startup:java$60_setup fast ! setup Java
$ define ant$home sys$common:[ant_17]
$ ant :== @sys$common:[ant_17.bin]ant
$ ant "-version"
   Apache Ant version 1.7.1 compiled on March 22 2015
```

Known Issues

This section provides descriptions of the known issues and limitations
that exist in Ant 1.7-1B for OpenVMS; they are as follows:

- Any known Java restriction or limitation, which is documented in
  the OpenVMS Java Users guide or release notes.

- Failures with several org.apache.tools.ant.types.selectors that rely
  on obtaining the current file size from C functions fstat() or
  stat(). These functions fail to return the correct file size
  under the following condition:

    o Files still open for write and have been modified

- Filename matching on OpenVMS is case insensitive, which can lead
  to issues if an application attempts to access two filenames that
  only differ by case.

- Java on OpenVMS does not allow redirecting stdin or stdout via the
  UNIX style file sharing methods.