## **How to: Push Logs to Nexus**

When using external build nodes or CI labs, the logs still need to be push to a public, centralized server. The following are the steps needed to get access to push logs to nexus.akraino.org.

## Step-by-step guide

- 1. Create a helpdesk ticket (currently, go to Jira Support Desk; always-up-to-date list here: https://docs.releng.linuxfoundation.org/en/latest/helpdesk. html). The request should indicate that you are requesting "external log pushing permissions". You must provide the following information:
  - a. A name for the log directory/silo (we have generally just been using company name, e.g. "att" or "ericsson").
  - b. An LFID to be granted appropriate permissions on the Nexus server. Please create an ID specifically for this purpose at identity. linuxfoundation.org, rather than using a personal LFID.
- Pushing the logs from within your internal jobs can be handled however you like, but below is a suggested script (adapted from one provided by A ndrew Wilkinson). Please note that we run a cleanup script that check the age of directories at a depth of 4 within the logs, so it is important to use the path of "\${SILO}/job/\${JOB\_NAME}/\${BUILD\_NUMBER}".

```
push_logs.sh

# Deploying logs to LF Nexus log server ##

# BUILD_NUMBER and JOB_NAME should be set by Jenkins

NEXUS_URL=https://nexus.akraino.org
SILO=<silo name provided above>
JENKINS_HOSTNAME=<hostname/IP of your Jenkins host>
BUILD_URL="${JENKINS_HOSTNAME}/job/${JOB_NAME}/${BUILD_NUMBER}/"
NEXUS_PATH="${SILO}/job/${JOB_NAME}/${BUILD_NUMBER}"

lftools deploy logs $NEXUS_URL $NEXUS_PATH $BUILD_URL

echo "Logs uploaded to $NEXUS_URL/content/sites/logs/$NEXUS_PATH"
```

Another user-suggested way to structure this script is to push all the log files within a given folder to Nexus, with the below suggested script (please note that this version has not been tested by the LF):

## push\_archives.sh

```
# Archive files to LF Nexus log server ##

NEXUS_URL=https://nexus.akraino.org
SILO=<silo name provided above>
NEXUS_PATH=<the destination folder on Nexus, such as $SILO/job>
WORKSPACE=<archives directory provided by the user, with the -p option below it specifies the file pattern as . log files>

lftools deploy archives -p '**/*.log' $NEXUS_URL $NEXUS_PATH $WORKSPACE

echo "Logs uploaded to $NEXUS_URL/content/sites/logs/$NEXUS_PATH"
```



This method requires installing Iftools via pip: https://pypi.org/project/lftools/. The credentials for your service account's LFID should be stored in SHOME/.netrc

## Related articles

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