Storing Harvested E3SM Provenance on ProvEn

# Introduction

The harvested provenance information is sent to ProvEn server using ProvEn harvester jar. The provenance harvester java application serialize the csv files into json-ld format and send to ProvEn using ProvEn’s REST APIs. The json-ld messages are stored in the corresponding semantic and time-series database in ProvEn.

# Prerequisites

* Java 1.8
* Access to the provenance csv files
* ProvEn harvester jar

# Procedure

## Dependencies on other Quick Start Guides

Refer Harvesting E3SM Provenance QuickStartGuide to generate provenance csv files

## Steps

1. Run ProvEn harvester jar file to send the three csv files to ProvEn

Specify the name of the csv file to send and the ProvEn server url.

e.g.

java -jar proven\_harvester.jar rc13/exported\_e3sm\_metadata\_msg.proven.csv

<http://localhost:28080/proven/rest/v1/repository/message/client/>

java -jar proven\_harvester.jar rc13/exported\_e3sm\_input\_files\_msg.proven.csv

<http://localhost:28080/proven/rest/v1/repository/message/client/>

java -jar proven\_harvester.jar rc13/exported\_e3sm\_output\_files\_msg.proven.csv

<http://localhost:28080/proven/rest/v1/repository/message/client/>

## Next Quick Start Guide

Retrieve Provenance Quick Start Guide

# Questions?

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