

# XINA Struct Mine

The XINA Struct Mine utility processes archive files to produce data products for import into XINA. It is primarily intended to be run as part of the XINA Structs data pipeline's Mining Task. There are 2 supported archive file formats: `xbin` and `xpf`. If the archive file is in the `xpf` format, processing is delegated to a mission specific tool. See the [Struct Extract Interface](#) that describes the interface the tool shall implement.

## Arguments

Name	Req	Description	Default
task	?	task ID	
conf	?	JSON conf file path	
temp	?	temp directory path	
import	?	import directory path (for file outputs)	
post	?	post directory path (for post-import outputs)	
host		tunnel host	"localhost"
port		tunnel port	41746

## Configuration

Name	Req	Description	Default
pipe	?	pipe group path, or model path if no pipe	
slice		slice length in minutes	60
t		TBD REMOVE slice time barrier (see below)	
TODO: Add re-mine options			

## Operation

This utility serves a few main functions:

- Extract data from archive files to produce import products such as:
  - Full mnemonic data
  - Delta mnemonic data
  - Time and Interval bin data
  - Filtered mnemonic data
  - Events (Actions?)
  - Limit Report
  - Metrics

- Mission Specific Data

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