

Utilities



A collection of utility programs that connect and enhance the Kratos product offerings, including EPOCH IPS. These utilities have been used on a number of operational missions and provide valuable capabilities not offered by the Kratos products otherwise.

Delivered as a Utilities bundle, integrators and customers can choose the tools and utilities that fit their mission and try new tools at their speed of adoption. Many of the tools are console applications that enable improved automation and data access without having to maneuver through user interfaces.

Applications are available on a variety of platforms, including Microsoft Windows, Solaris, and Linux and enable a truly interoperable control center.

EPOCH Utilities

These utilities connect and enhance the EPOCH Server and EPOCH Client. While some of these tools only work with a specific version of the EPOCH Server or on a specific platform, many of these tools are cross-platform.

EPOCH UTILITIES	DESCRIPTION
cmdfmt	Command formatter with extension interface. (EPOCH 4..2 only)
cmdfmt_ext.so	Command formatter extension for sending commands via socket (EPOCH 4..2 only)
cmdfmt_ext_server	Server component for verifying data sent by cmdfmt_ext.so (EPOCH 4..2 only)
cmdstatus	Test driver for the SSAPI command status interface. (EPOCH 4..2 only)
db2OneWay	Generates pointthrow XML files from EPOCH databases.
dbshm	Displays shared memory information for EPOCH databases. Copies reference binary images to proper filenames. (EPOCH 4..2 only)
download	Constructs files from multipart data collected from telemetry (EPOCH 4..2 only)
forward	Frame forwarding with extension interface. (EPOCH 4..2 only)
forward_ext.so	Frame forwarding extension for sending frames via socket (EPOCH 4..2 only)
gems	Communicates with GEMS-compatible devices (EPOCH 4..2 only)
GEMSSerial	GEMS to serial interface
GEMSTestDriver	Test utility for gems
GetServerConfigInfo	Outputs ConfigServer and NodeIFServer connection information
LF	Displays Events Viewer (.epe) and Limit Alarm Viewer (.epla) files
lkv	Last Known Value: Registers for points in spacecraft stream and sends to resource stream (EPOCH 4..2 only)
lkv_s	Last Known Value Server: Receives updates from spacecraft stream and updates globals in resource stream (EPOCH 4..2 only)
LKVEditor	Defines points for use with Last Known Value (EPOCH 4..2 only)
LP	Displays Telemetry Viewer (.epv) files
nmlog	Logs EPOCH Node Manager messages (EPOCH 4..2 only)
p2e	Creates EMF files on-the-fly (EPOCH 4..2 only)
pointingAngle	Sends directives based on azimuth, elevation, Doppler, and frequency information (EPOCH 4..2 only)
PointsExample	Requests points and outputs values to the console
pointthrow	Sends preconfigured points to the configured destination (EPOCH 4..2 only)
ptserv	Plain text socket interface to EPOCH (points, events, directives) (EPOCH 4..2 only)
ReconnectSvc	Automatically reconnects the EPOCH Client to the EPOCH Server in the event of a disconnection
ring	Submits frames to the EPOCH ring buffer (EPOCH 4..2 only)
ring_client	Sends frames to ring (EPOCH 4..2 only)
ringmon	Displays EPOCH ring buffer status (EPOCH 4..2 only)
rsx	Exports data from RetrieverServer
SendDir	Sends an EPOCH directive
ShellEvents	Displays Events Viewer (.epe) files
ShellLimAlarm	Displays Limit Alarm Viewer (.epla) files
ShellMnemBrowser	Displays Mnemonic Browser/Command Browser with the specified EPOCH Database
StartStream	Starts/Stops EPOCH streams (EPOCH 4..2 only)
StreamControl	Starts/Stops EPOCH streams, displays stream status
tImFileGen	Generates telemetry files (EPOCH 4..2 only)

trackFileGen	Generates track files (EPOCH 4..2 only)
upload	Builds multipart command uploads out of files/byte arrays (EPOCH 4..2 only)
v4dll	EPOCH V4 interface library
xproc	Execute local STOL procedures on an EPOCH Server (EPOCH 4..2 only)

Archive Utilities

These utilities provide access and manipulation to the many Kratos-managed archive data formats. These tools also provide interoperability between Kratos and industry standard data formats. All data retrieval routines are direct and do not depend on other products or access layers, enabling no additional software or license dependencies.

ARCHIVE UTILITIES	DESCRIPTION
aev2ring	Convert V3/V4..3 archive files to ring files
arc2ring	Convert V2/V4..2 archive files to ring files
cftp	FTP command line utility
csftp	cftp-compatible secure copy
EvtHistVwr	Display Event History
gensmf	Wrapper utility for dmf2smf
gentmf	Wrapper utility for dmf2tmf
hackarc	Shift time within a V2/V4..2 archive file
hackdmf	Shift time within a DMF file
hackemf	Shift time within an EMF file
hacktmf	Shift time within a TMF file
libarchmgr4_local	Local file implementation of Archive Manager API
printpdf	Print to a PDF file from ABE
readaev	Dump contents of a V3/V4..3 archive file
readarc	Dump contents of a V2/V4..2 archive file
retrieve	Retrieve listing of files in Archive Manager for specified product type and times
RetrieveTao	Retrieve TAO and archive files from Archive Manager
show_dm4	Dump contents of a DMF file
show_emf	Dump contents of an EMF file
show_smf	Dump contents of an SMF file
show_tmf	Dump contents of a TMF file
trig	Trigger an Archive Manager introduction

General Utilities

These general utilities provide utilities not specific to a single domain and can provide utility to any project or application.

GENERAL UTILITIES	DESCRIPTION
argv	Display command line arguments
bc_cksum	Output CoreInstaller checksum of a file
BringForward	Make windows display on top when requested
CoreInstaller (BuildChecker)	Verify installed files
dv	Display documents
encrypttool	Generate value to store in the Registry that is compatible with the encryption common library
EpochUtils	Java interfaces for file monitoring, parsing EPOCH archive formats, connecting to ptserver
EventLog	Windows Event Log support library
EvtFilterEditor	Create / Edit filter files for TAO, EvtHistVwr
GenericService	Generic service wrapper for non-service processes
InstallHive	Modify the default user profile hive
RESTRunnable	Invoke system directives via REST
timeconvert	Convert between different time formats
win_rm	Collect SNMP data
xfile	Lists/deletes files in folders where shells do not properly allow for file listings