

## COLLECT & ANALYZE YOUR MAINFRAME DATA IN REAL-TIME

### Mainframe Administration and Governance

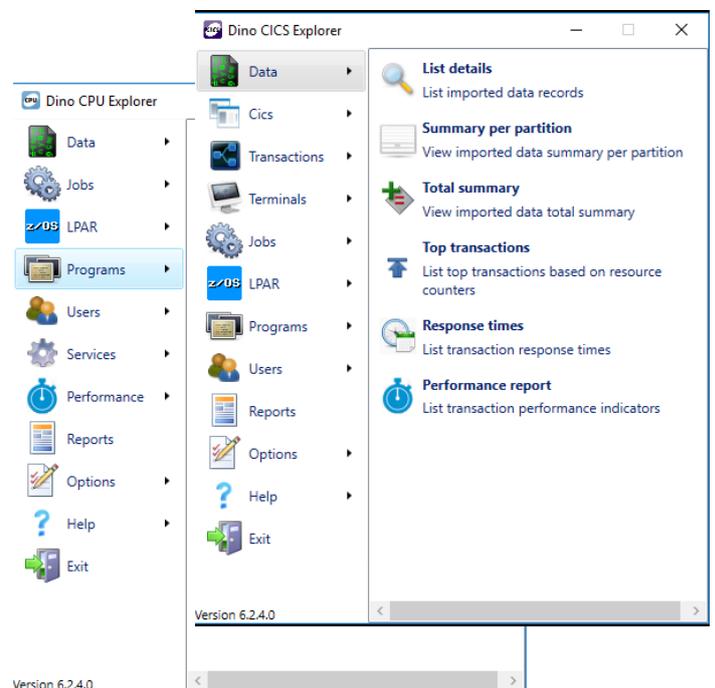
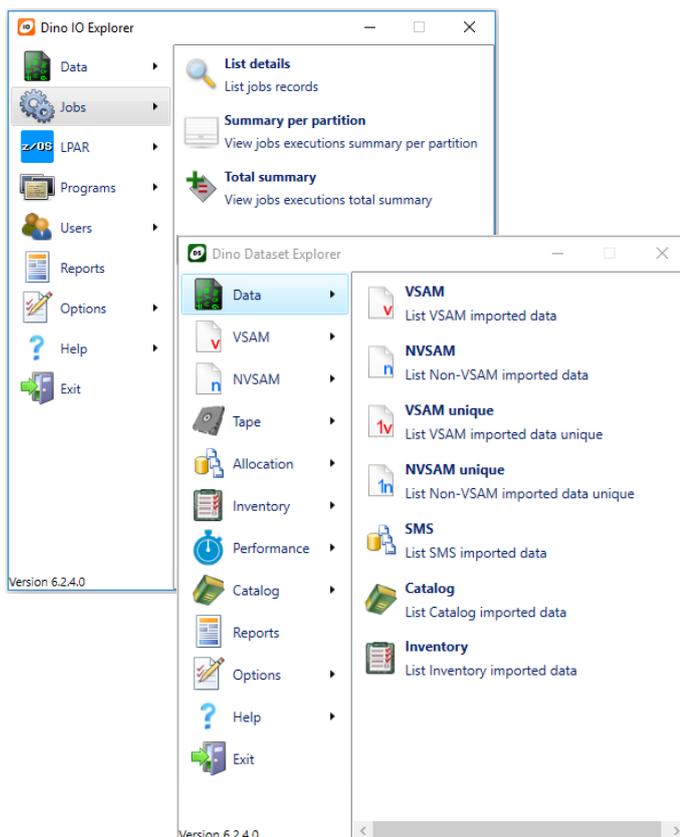
The Dino Explorer Suite is a set of non-intrusive software for analysis and support decision of the IBM mainframe environment. Mainframes SMF logs are collected in real time and stored in a relational database platform (Microsoft SQL Server). The data is constantly updated building a powerful source of strategic information from your z/OS environment and all its production.

### Historical Information

- Tracks progress
- Compare the past
- Account usage - "Billing, Charge Back"
- Trend analysis and provisioning

### OVERVIEW

- Mainframe Governance
- Works on strategic SMF logs
- Non intrusive and minimum resource usage
- Option to discard SYS1.MAN writes, thereby reducing MSUs and mainframe costs
- Unified historical database
- Quick access to information
- Powerful SQL filters
- Real time SMF collect messaging
- Open database structure
- User-friendly interfaces



## CPU Explorer

### z/OS jobs and programs resource usage

Acts on classifying jobs and programs, allowing the administrator to view and make the accounting usage of CPU resources available through various counters, it also identifies areas for performance optimization, capacity planning and based on history generate future projections.

Some of the reports submitted by the CPU Explorer for classified jobs and programs include: job and program information; which services they provide; values of consumption by service unit; by CPU time and duration; by RACF groups and users; total of I/Os; partition name and Sysplex; number of I/O's per disk volumes; information on program termination (JCL error, normal, Abends) and totals generated by these processes.

All historical information data can be grouped by designated line of business or other areas of interest, applications or cost center, and correlating the mainframe historical use with the business.

## DATASET Explorer

### Dataset usage by z/OS applications

The product is used to historically account on the usage of datasets by the applications, correlating datasets, jobs, programs and partitions. With DATASET Explorer you can determine associations such as: number of IO's per application; which programs and jobs read and write datasets; storage groups and storage pools utilization; the use of VSAM files and possible structural problems (e.g. CA splits, CI splits).

## DASD Explorer

### Storage resource administration for z/OS

DASD Explorer is used to manage mainframe storage, providing its users with information about controller settings (Physical and Logical), volumes, FICON channels and other essential data for administration

and maintenance including: Disk configs (storage systems, logical and physical addresses); channel configs (CHPIDs); volumes occupation (cylinders, MB, GB, TB); historical use of the volume. It has powerful SQL filtering functionality that demonstrates: volumes per LPAR, volumes occupied by volser prefix, per manufacturer, per system, per channel, per sub-storage system; fragmentation of the volume; and more...

## IO Explorer

### How your applications do IO

The IO Explorer assists the Storage Manager with information for controlling the use of disk devices and tape facilities. Identifies the amount of I/O each job or program makes in a specific storage device. Reports on following associations: measuring the performance of storage devices; programs and jobs which use a particular type of storage such as tapes 3590, VSM, VTS and other devices; the number of IOs by DDNAME

## CICS Explorer

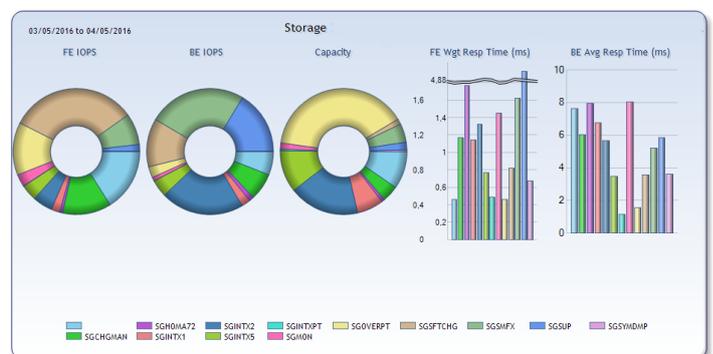
### CICS Transactions account usage

CICS management control and resource usage. Reports the average response times of transactions and programs along with the number of its executions. Due to its embedded messaging technology, it is possible to collect the SMF 110 in real-time without expending CPU resources.

## Mainframe Administration Dashboard

### Mainframe indicators dashboards

MAD is a portal indicator of the mainframe environment. The reports generated by the Dino Explorer Suite of tools can be customized into multiple views and dashboards options. It is localized to each customer's needs. Information can be updated periodically or in real-time.



## ABOUT

DINO is developed by the zCost Management SAS, a French software manufacturer specializing in cost control on mainframes for the past 10 years.

*In the Nordic ZCost Management SAS is represented by MainSoft.*