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What is CICS

Get to know the CICS Transaction Server

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CICS – what does it stand for?

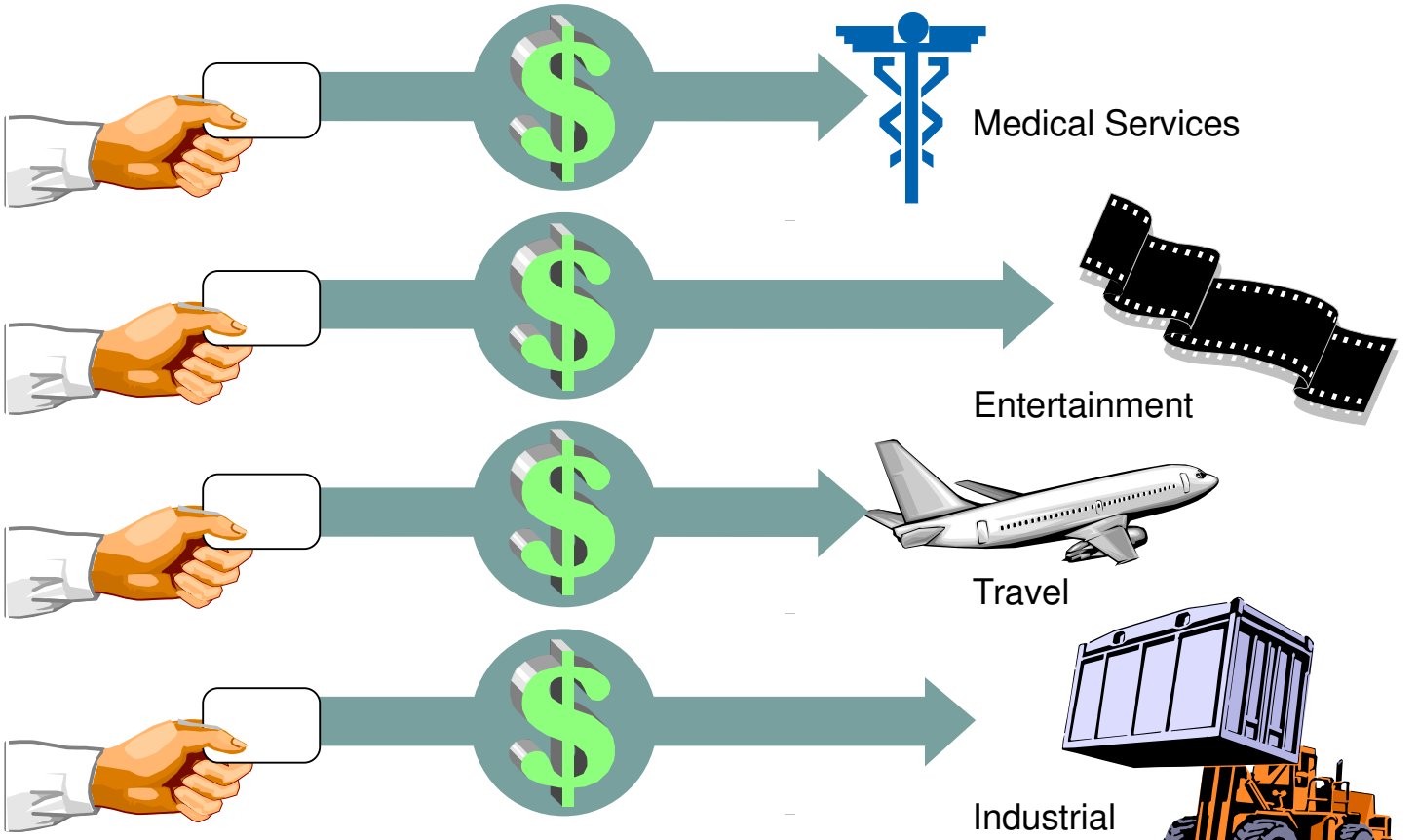
- Canadian Institute for Climate Studies
- Cypriot Internet Chess Server
- Crotoxin Inhibitor from Crotalus Serum
- Conference Internationale Catholique du Scoutisme
- Center for Information and Crisis Services
- Customer Information and Control System

How it is pronounced

- In Britain, Canada, Australia, France, Belgium and some other countries, CICS is pronounced the same as the word *kicks*.
- US - usually pronounced by reciting each letter (*C-I-C-S*)
- Germany - pronounced *zicks* and, less often, *kicks*

- Brazil, Peru and Mexico - pronounced *sicks*
- Spain - pronounced *thicks*
- Italy - pronounced *chicks*

Business Transactions



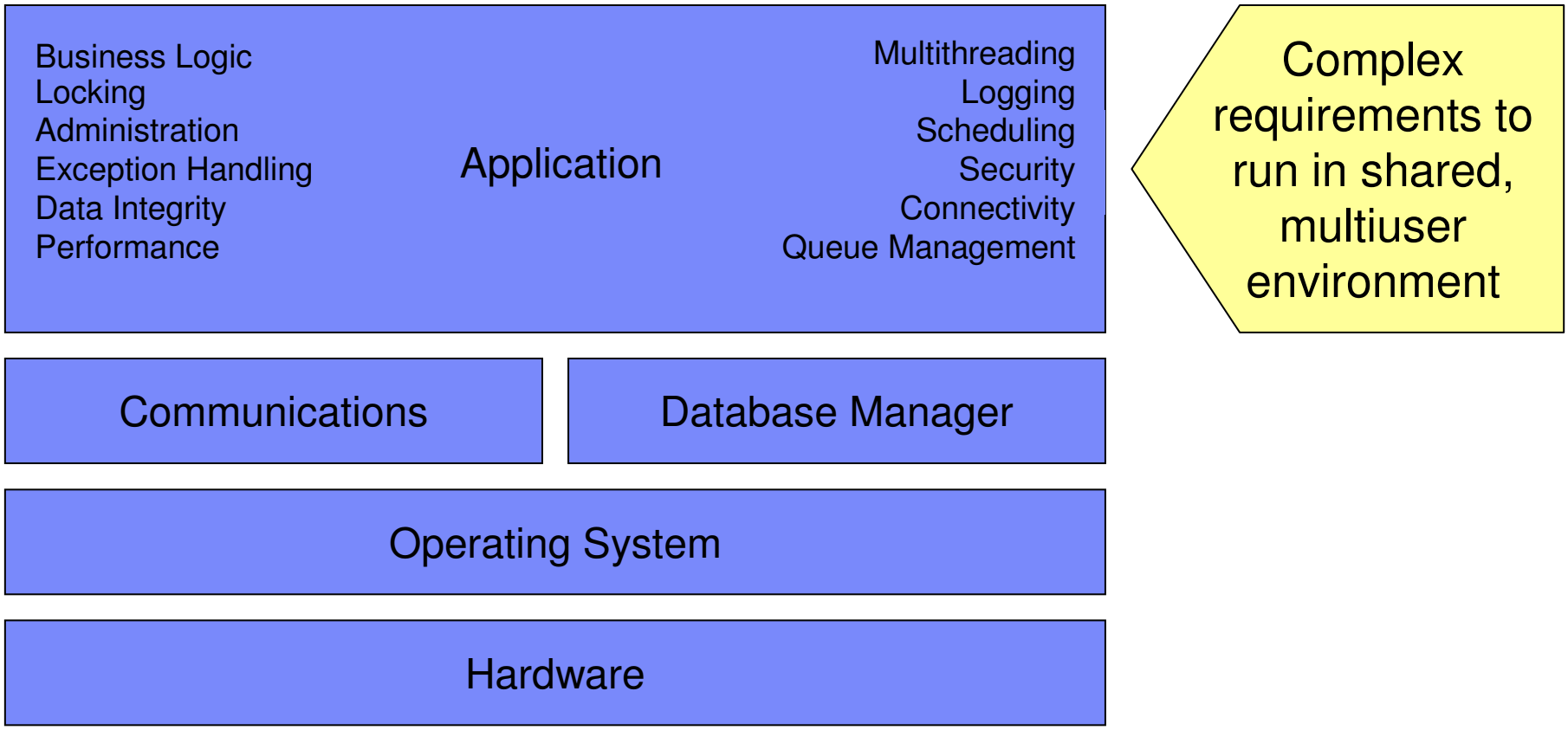
- Many Users
- Repetitive
- Short Interactions
- Shared Data
- Data Integrity
- Low Cost/Transaction

Batch and Online Transactions

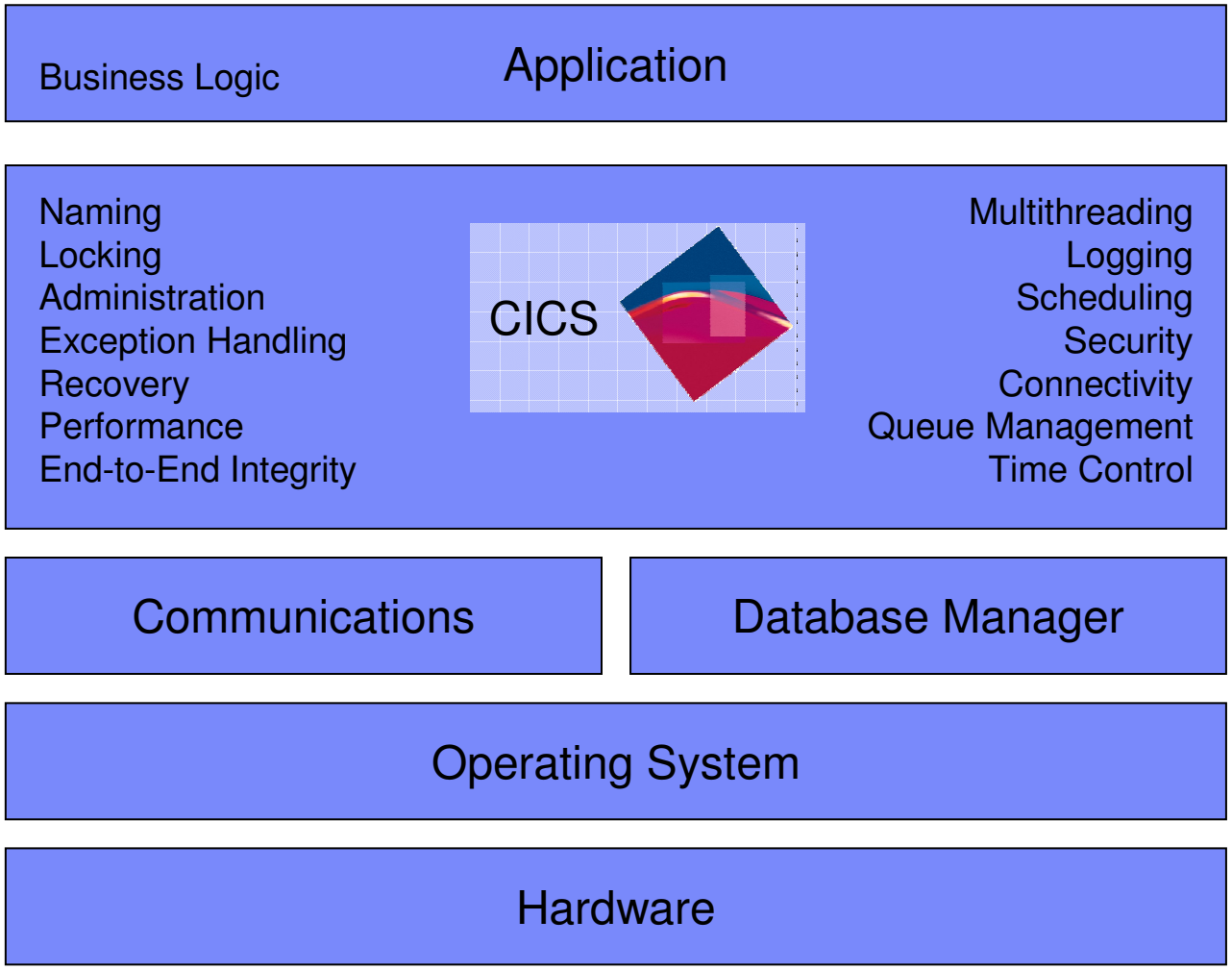
	Batch Processing	Online Transaction Processing
Initiation	Scheduled for specific timeJob Control Language	Initiated by end user when services required
Input	Program Input is batch of transactions	Input supplied by end user for single request
Output	Delayed output	Immediate output
Resouce access	Usually exclusive file control	Shared file, exclusive record control

output often already out-dated

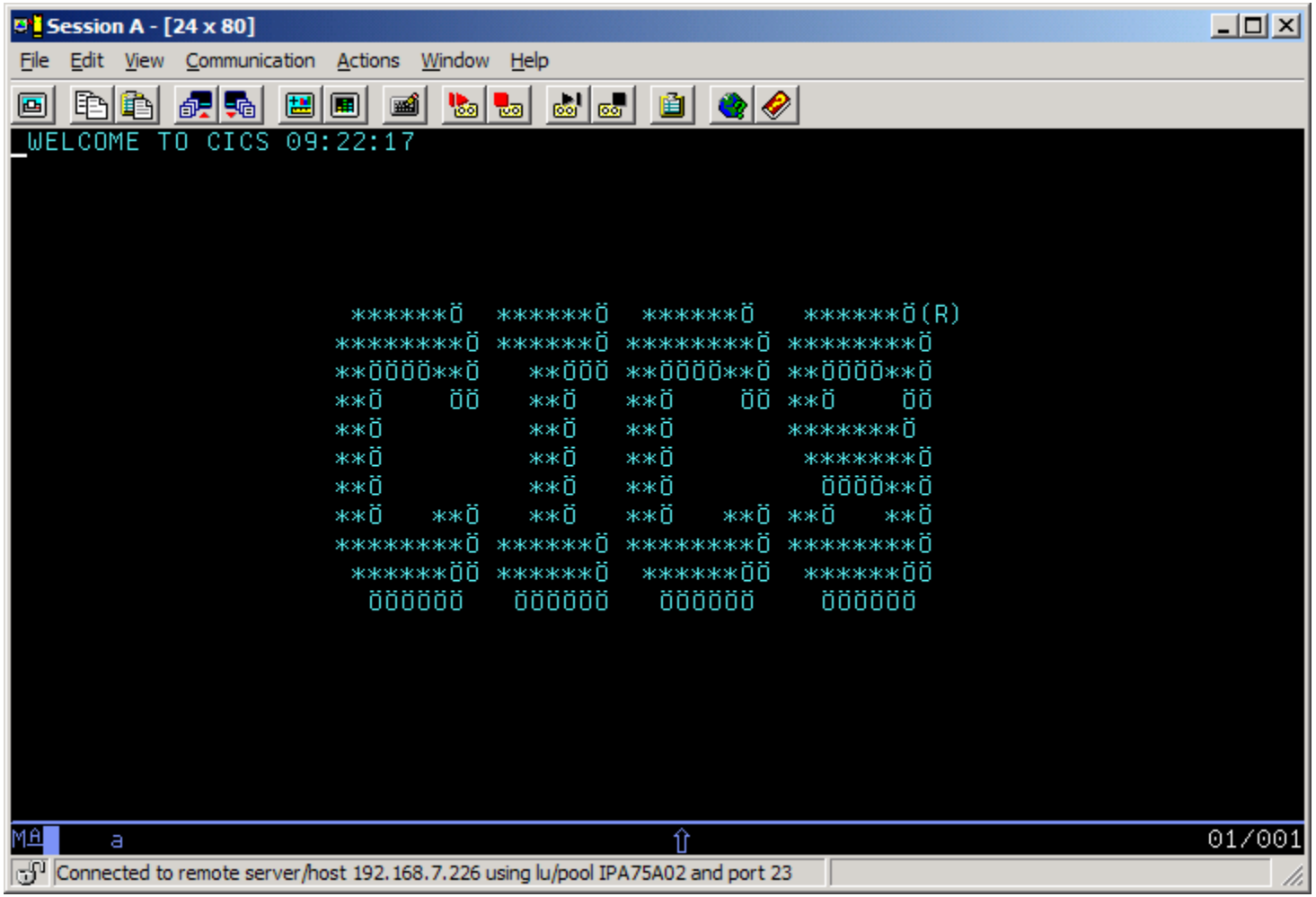
Business Application Requirements



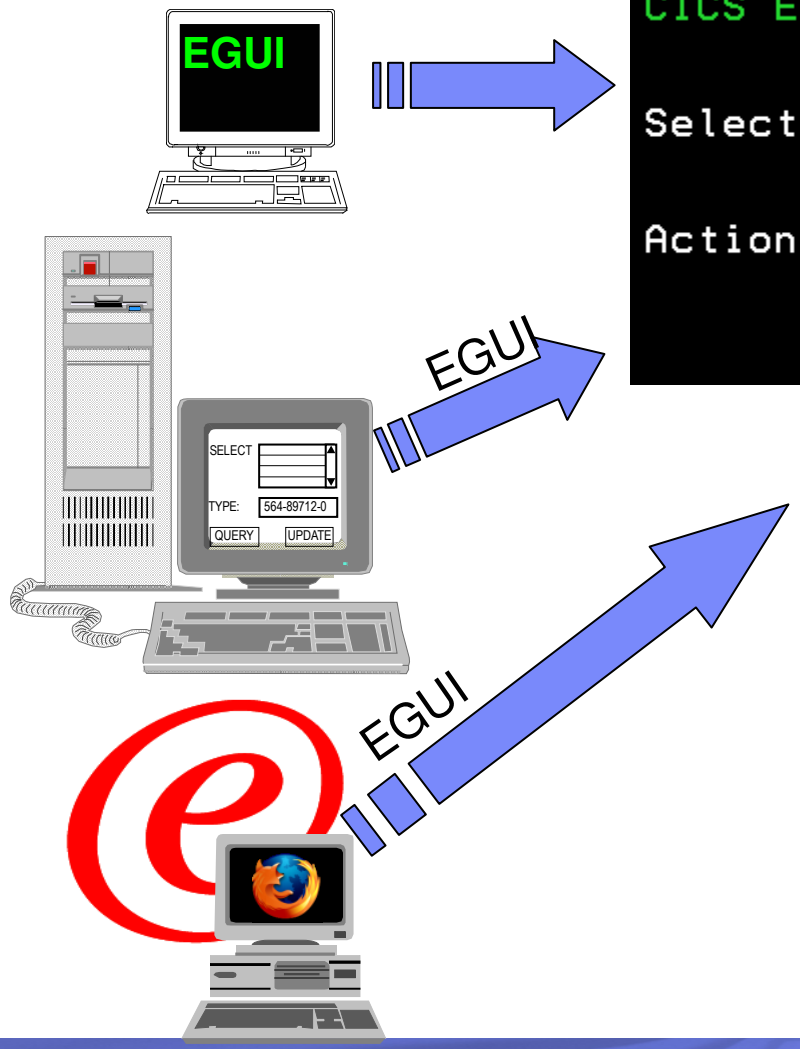
Business Application Requirements



How CICS usually looked



Initiating CICS Transactions

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CICS EXAMPLE CATALOG APPLICATION  - Main Menu

Select an action, then press ENTER

Action . . . .    = 1. List Items
                    2. Order Item Number ____
                    3. Exit
```

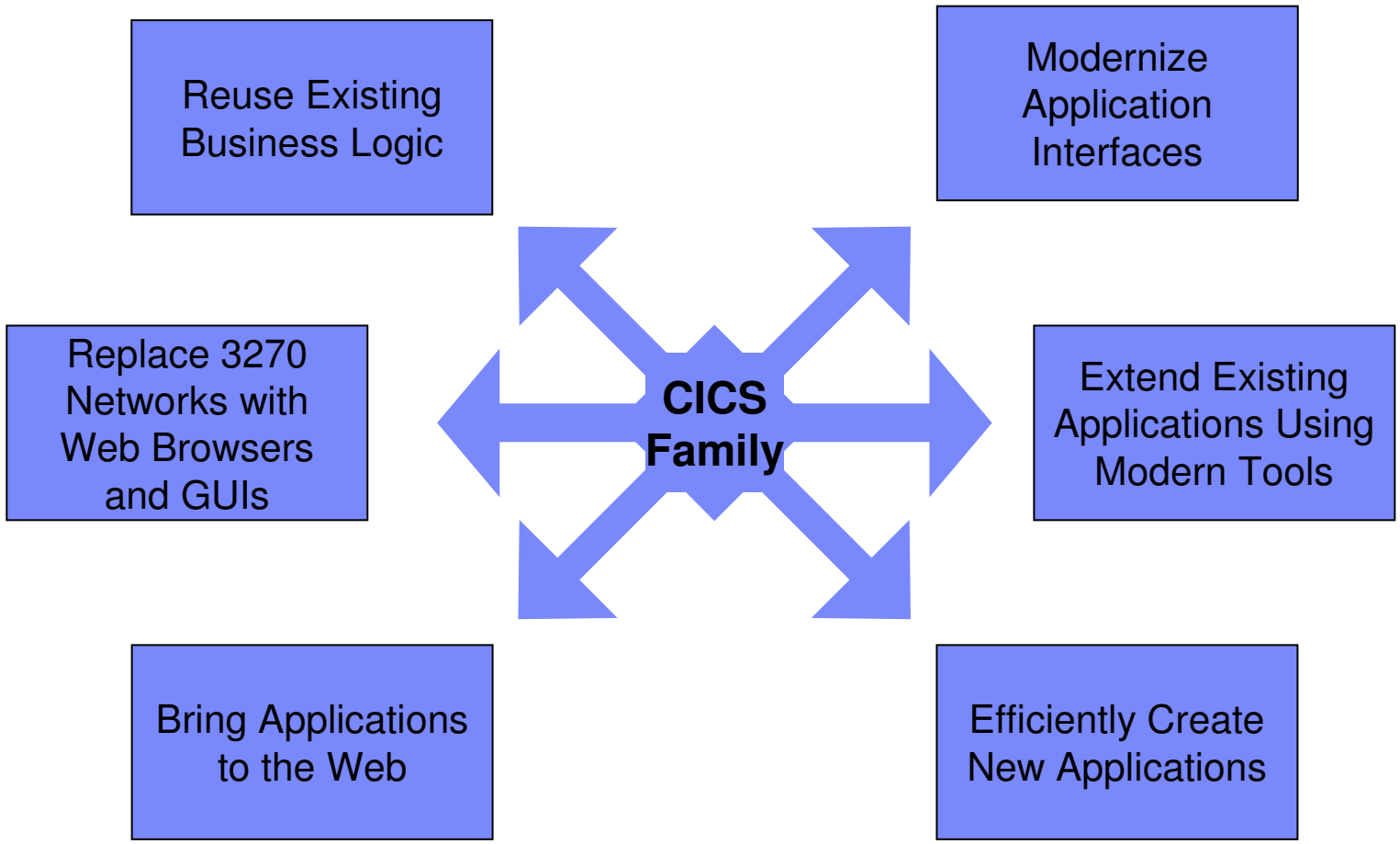
```
INQUIRE TRANSACTION(EGUI)
RESULT - OVERTYPE TO MODIFY
  Transaction(EGUI)
  Priority( 001 )
  Program(DFH0XGUI)
  Tclass( DFHTCL00 )
  Status( Enabled )
  Routing(Static)
  Routestatus(Notroutable)
  Purgeability( Notpurgeable )
  Prfile(DFHCICST)
  Taskdatakey(Udatakey)
  Taskdataloc(Below)
  Isolatest(Isolate)
  Trprof()
  Indoubt(Backout)
  Indoubtwait(Wait)
  Brexit()
  Facilitylike()
```

The CICS Family

- CICS Transaction Server for z/OS
- CICS Transaction Server for VSE/ESA
- TXSeries for multiplatforms
  - ✓ AIX
  - ✓ HP-UX
  - ✓ Solaris
  - ✓ Windows

- CICS Connectors
  - ✓ CICS Universal Client
    - Linux on z/OS or Intel, Windows
  - ✓ CICS Transaction Gateway
    - z/OS, Linux on z/OS or Intel,
    - AIX, HP-UX, Solaris, Windows
  - ✓ SOAP for CICS
    - not required with CICS TS V3.1
- CICS Tools
  - ✓ Subsystem management
  - ✓ Enterprise integration

CICS Evolution



CICS Application Server today

30 Billion transactions/day)
$1Bn/day (~ Nasdaq)

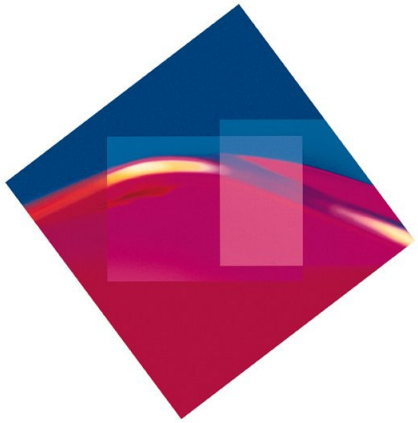
36 years invested in Applications

5000 packages from 2000 ISVs

30 million users

90% of the Fortune 500 use CICS

$1Trillion applications ....IDC



20,000 customers worldwide

950,000 programmers earn their living from CICS

Used by 490 + of IBM''s top 500 customers

50,000 CICS/390 licenses

Over 950,000 concurrent users/system