

Can you Imagine...

Being able to Test ADS/O dialogs, IDMS-DC Programs and Batch programs against Production data, without incurring the overhead of duplicating the entire Production database.

Can you Imagine...

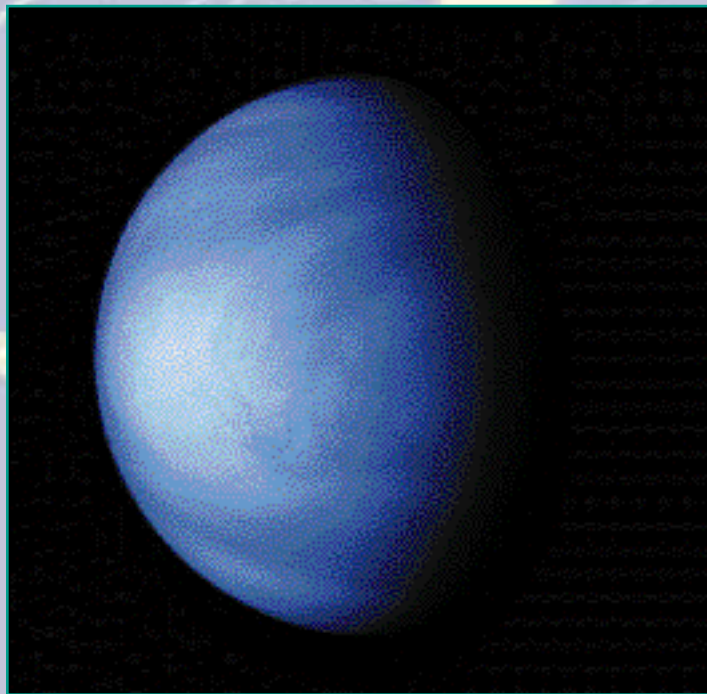
Having a private Test database for each user or group of users, and never stepping on anybody's toes again.

Can you Imagine...

Being able to Test re-structures to the Production database, and estimate all of the required resources ahead of time.

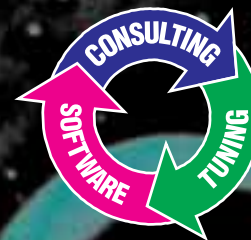
DB-IMAGE

Now you can really operate as if you have multiple copies of an IDMS database, while in reality there is only one copy of the underlying database.



Software Solutions for the 90's and Beyond

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DB-IMAGE

You will agree that the best way to Test and Quality Assure Production enhancements is against a full copy of the Production database. You will agree that de-bugging Production problems is most efficient when done against the actual Production data. You will further agree that the ultimate Testing environment would find every programmer (or group of programmers) with a private copy of the Test database (or even a private copy of the Production database).

You may think private databases are impossible due to insufficient DASD and scarce DBA resources. You may think that even if private databases were possible they would present a maintenance nightmare.

In the world of DB-IMAGE, Testing is just the way it ought to be. Using minimal DBA resources and minimal DASD, you can operate as if every user and programmer has a private copy of the Test database (or even the Production database). You can easily create multiple private "images" of an IDMS database. You may then run concurrent and totally separate Test, User Acceptance, QA and Production Maintenance Test environments.

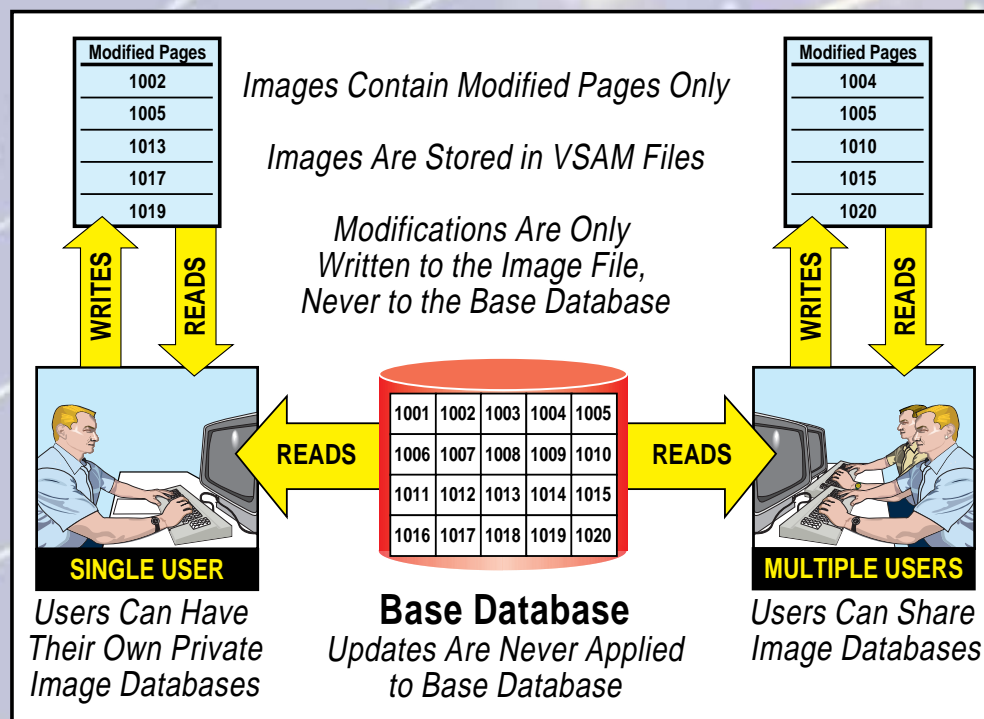
With DB-IMAGE, you resolve Production problems quickly by debugging against an "image" of the Production database. You no longer resolve Production hangs by hit-or-miss Testing against a smaller, cut-down subset of the entire Production database.

Everyone has their own private Test environment: DBA's, Auditors, Application Developers and Programmers will never have their toes stepped on again.

Updates for each user are maintained as a private "image" in a private VSAM file. Only the latest updated IDMS pages are kept. The base Test database may be instantaneously updated with the changes made to any one user's "image."

You save in many ways:

- With private Test databases, DBA's provide hassle-free, realistic Test environments.
- Application Developers no longer need to backup/restore the Test database before/after every Test.
- DBA's can now Test re-structures against Production ahead of time to determine their viability and how much time they will take.
- Individual users (or groups) can easily share their private "images."
- User training may be conducted against Production data.



AT RUN-TIME...

Read Operation

When a Page is requested, IDMS first searches the IDMS buffer pools. Only If the Page is not found, IDMS issues a Read

DB-IMAGE intercepts the Read. DB-IMAGE searches for the Page in the "image" file. If found there, DB-IMAGE Reads the Page directly into the IDMS buffer pools

If the Page is not found in the "image" file, IDMS will Read from the base database

AT RUN-TIME...

Write Operation

When updates are applied to the database, IDMS issues a Write

DB-IMAGE intercepts the Write. For "imaged" databases, DB-IMAGE Writes the Page to the "image" file (the Page is never written back to the base database)

Implementing IDMS 12.0?

How would you like to Test your IDMS 12.0 environment without affecting your 10.2 environment? Create a 12.0 CV and create an "image" of your 10.2 Production environment. Run all your Tests against the "image" on the 12.0 CV without affecting your 10.2 database.

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