Powerful administration and moinitoring of UNIX databases

DataHub for UNIX Operating Systems

Meeting the challenges

Are you installing new database servers at record speed?
Are your DBAs overworked, undertrained and generally overwhelmed by the complexity of your database environment?
Does the heterogeneity of your environment keep you awake at night?
Has your IS Budget been cut again?
In Short, are you REACTING instead of BLAZING AHEAD?

Heterogeneous database administration and monitoring

Why you need DataHub

- DataHub simplifies management of heterogeneous databases
- DataHub maximizes administrative resources
- DataHub reduces training costs
- DataHub increases database availability
- DataHub supports your client/server growth

What DataHub offers you

- Central point of control with intuitive graphical user interface
- Comprehensive, robust database and system administration
- Online monitoring of local/remote databases and operating systems
- Automated operations based on business policies
- Interoperability with systems management

Automated Operations Based on Business Policies

DataHub′s rule-based system allows administrators to schedule recurring administrative tasks, monitor databases for exception conditions, anticipate problems through trend monitoring, alert database and network administrators. DataHub can automatically take preventative or corrective actions based on your business policies.

Automated Monitoring

DataHub′s intelligent agents can monitor hundreds of database and operating system parameters using ″checks″. Each check defines what to monitor and when. Filter values specify what exception conditions to report. Users can customize these checks or create their own using DataHub′s graphical user interface.

Automated Action Taking

DataHub lets you define your own rules for evaluating the monitoring results from one or more checks. You can specify the conditions to check for and actions to take if the conditions are met. Actions can be:

- Send an alert
- Invoke a program (to sent an SNMP alert, page an administrator, send a message etc.)
- Invoke an SQL or UNIX script or command to take preventative or connective action.

Out-of-the-Box Monitoring

To get started quickly and with minimal effort, you can activate DataHub's ″out-of-the-box″ monitoring set with a single mouse click. This is a subset of the checks with associated filter values plus rules specifying actions to be taken. You can use this monitoring set as is or customize it to fit your environment.

Historical Data

Monitoring results can be stored in DataHub's Control Database. You can display the results as a line graph from the DataHub GUI or use your favorite query and reporting tool against the data.

Comprehensive Database Administration and Online Monitoring

DataHub for UNIX OS is the tool for all your database administrators, novice, intermediate and expert. Even developers, operators and help desk folks will want to use it. Use DataHub for UNIX OS in the development environment and you will love its simplicity. Use it in the production environment and watch it increase your productivity.

Using an easy-to-use, intuitive graphical user interface, where operations are point and click, drag and drop, you can perform a wide variety of tasks.

Object Management

- Discover databases on managed systems
- Create, change, delete, copy, rename and analyze objects
- Display objects from heterogeneous databases in a single window
- Manage groups of objects as a unit

Security Management

- Add, change, delete users, roles and their authorizations & privileges
- Create, update, delete, Oracle profiles and assign users to them
- Manage Sybase logins

Space Management

- Determine database space allocation
- Show file system usage & disk layout
- Create, alter and drop table spaces
- Display table space fragmentation
- Manage Sybase devices

Configuration Management

- Configure database managers and databases
- Catalog/uncatalog databases & nodes

Application Management

- Define applications & their objects
- Provide warning when objects change
- Show Bachman diagram
- Explain SQL

Operations Management

- Startup and shutdown database systems
- Run Utilities (backup/recover etc.)
- Monitor processes, cpu, disk I/O, locks, users & other statistics etc.

Central Workstation Control Point with Intuitive Graphical User Interface

Just point and click, drag and drop! Say good-bye to having to know the OS commands and SQL statement syntax of all your DBMSs. The way you create a database, table, or view, the way you give users access to data is the same across databases. Select one or more objects from the Object Tree window and then select an action from the Action window. Let DataHub do the task for you. Once you have learned how to do it for one database you can apply your new skill to another database you may not yet be familiar with.

DataHub can be tailored for different types of users (administrators, developers, operators etc.). Users will only see the DataHub functions they are allowed to perform.

You don′t remember what an option on the screen means? Just click on the help button for online help. Want to see what commands or SQL statements DataHub generates under the covers when performing a task for you? Use the display option!

You love DataHub, but you wish you could ″snap in″ your own tried an true scripts, tools and home-grown programs? It′s a snap! A few SQL statements will do it for you.

Databases managed:

- DB2
- Oracle
- Sybase
- INGRES

Control points and managed systems:

- AIX
- HP-UX
- Solaris

Conclusion

Now you know why and how DataHub for UNIX OS will help you manage your heterogeneous UNIX databases efficiently and cost effectively, with your current resources. Once you have used it, you′ll wonder ″How did I ever manage without it?″

So why wait? Contact your IBM Marketing Representative or IBM Authorized Dealer.

DataHub for UNIX OS Education

Want to learn how to use DataHub? We′ll teach you all about it. IBM offers customer education for DataHub with classes available now. For more information or to enroll, call

1-800-IBM-TEACH (1-800-426-8322).

DataHub Consulting and Services

You love DataHub, but you wish you could get someone to come to your place to help you get started quickly?

No problem we can:

- Recommend a configuration plan
- Recommend an automation plan
- install and configure DataHub
- Automate and customize your database management environment

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