A flexible and secure open system solution for network computing

IBM

IBM Distributed Computing Environment (DCE)

Highlights

Delivers a cross-platform distributed solution with security, directory and time services

Advances emerging Internet standards by incorporating public key infrastructure (PKI) and supporting Lightweight Directory Access Protocol (LDAP)

Simplifies administration with a Web browser-based interface

Enables enterprise growth for distributed processing, independent of hardware or software platforms

Improves productivity for application programmers and administrators with capability to integrate any DCE-compliant software or hardware platform as part of your enterprise

Is Year 2000 ready

Technology built for the demands of the future

The IBM® Distributed Computing Environment (DCE) is a comprehensive suite of integrated, yet modular, products which support transparent file access and secure resource sharing in heterogeneous, networked computing environments. DCE is designed to provide easy migration to open client/server systems, and will become the basis of distributed computing in the 21st century.

With DCE, you can provide clients with secure access to Web servers and easy access to online directory services by incorporating industry-standard Internet technologies, such as PKI and LDAP.
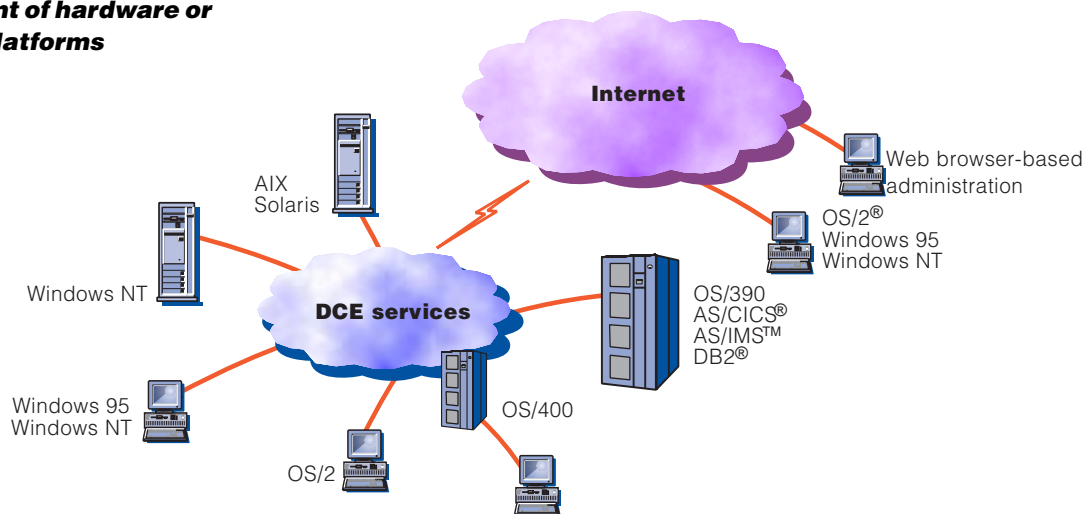
Distributed Computing Environment

Managing information resources

Take advantage of fast-growing e-business opportunities while making efficient use of your current hardware and software investment with the flexible, scalable advantage of IBM DCE.

The Web-based browser enables administrators to control enterprise-wide resources at any time from any location.

DCE provides your business with the capability to incrementally increase the computing power of local area networks (LANs) and wide area networks (WANs). The open system technology delivers full interoperability, compatibility with existing systems and security on all major operating platforms, including AIX®, OS/390®, OS/400®, Windows NT™ and Solaris.

IBM DCE allows users and administrators to share and manage up-to-date file resources with transparent file access across the enterprise.

Secure distributed computing

DCE security service is based on the Kerberos technology from Massachusetts Institute of Technology. Beneath the surface is reliable, trusted third-party authentication technology that provides authentication, authorization and user account management services to ensure data integrity and confidentiality. These security facilities are replicated on multiple systems for the high availability your business needs.

Reliable performance

DCE products are based on industry-standard technologies that IBM licenses from The Open Group.

DCE consists of a core set of distributed services that includes remote procedure call, threads, time, cell directory and security.

DCE Distributed File Service (DFS) provides uniform global name space, centralized administration, increased performance through client caching and data coherency between client cached data and servers.

DCE Directory Service improves user performance by allowing users to identify resources by name across a wide network of diverse systems.

Flexibility – the key to the future

Free flow of information depends on the ability to access different applications on different computers in different networks.

DCE gives you the competitive advantage for future growth and change by providing flexible applications and industry-standard network computing technologies. With DCE as the connecting infrastructure, you can make efficient use of current computing investments through network scalability, reduce development and maintenance costs with centralized administration and integrate DCE-compliant systems with your distributed network.

DCE represents the network computing solution for today's secure distributed enterprise and tomorrow's e-business.

IBM DCE is Year 2000 ready*.

For more information

To find out more about the IBM eNetwork security and directory solution, contact your IBM representative or IBM business partner. Visit the DCE site at *www. software.ibm.com/enetwork/dce.*

For Position Only

G325-3842-00