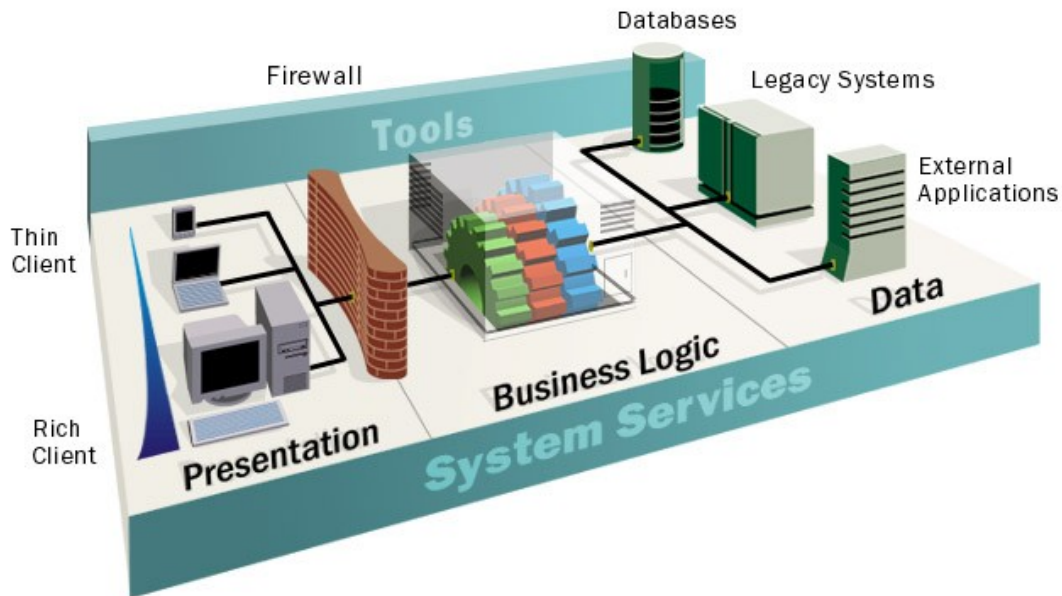




Windows DNA Architecture

The application development model
for the Windows platform



What is Windows® DNA?

Windows DNA is the application development model for the Microsoft® Windows platform and specifies how to:

1. Develop robust, scalable, distributed applications using the Windows platform.
2. Extend existing data and external applications to support the Internet.
3. Support a wide range of client devices, maximizing the reach of the application.

Who is the target audience for Windows DNA?

Software developers, development managers, software architects and CTOs who want to design and create distributed applications using Internet technologies.

What are the core elements of Windows DNA?

The Windows DNA architecture consists of a set of rich system services and component based application services that support open technology standards, all exposed in a unified way through the Component Object Model (COM).

- Presentation services (HTML, DHTML, scripting, components, Win32® API)
- Application services (Internet Information Server, MSMQ, MTS, COM+)
- Data services (ADO, OLE DB)
- System services (directory, security, management, networking & communications)

What are the key benefits of Windows DNA?

1. Windows DNA provides the most **comprehensive and integrated platform** for building distributed applications. This frees developers from the burden of building or assembling commonly needed middle tier services such as asynchronous message queuing, transactions, component services, data access & web publishing.
2. Applications can be built **faster and easier** by using the common service infrastructure of the Windows platform.
3. Windows DNA supports a wide **choice of programming languages** and integrated development tools, allowing developers to choose the tool that best fits their needs.
4. Windows DNA is designed to provide a **high level of interoperability** with existing enterprise applications and legacy systems, making it easy to protect and extend current investments.

What should developers do to use the Windows DNA architecture & services?

1. Partition your application into 3 logical tiers: Presentation, Business logic and Data.
2. For Presentation, choose the appropriate Windows components and technologies to provide broad client reach and the richest possible interface.
3. For Business logic, write COM components that use the rich application services of Windows NT®.
4. For Data, use ADO to access data and use OLE DB to expose data.