Solaris NEO Features

NEO Network

- CORBA-compliant Object Request Broker
  - Transparent location and activation of networked objects
  - Multithreaded, scalable architecture
  - OMG Interface Definition Language (IDL) defines platform- and language-independent object interfaces
  - Distributed, no-hub architecture eliminates single point of failure and bottlenecks
  - SNMP interfaces for remote administration of networked object applications
- OMG CORBA services including:
  - Naming Service for registration of object names and references to allow shared access
  - Property Service allows dynamic runtime type associations outside of the IDL definitions
  - Event Service for channelling information between objects outside of the normal invocation process
  - Relationship Service for describing reference and containment relationships between objects
  - Lifecycle Service for supporting object operations such as add, copy, move, and remove

NEO Services

- Provides runtime support for networked object applications
  - *Workgroup Support* enables organization of the network for simplified, transparent sharing of data, objects, and applications
  - *Shared Service Finder* searches the network for a requested service and establishes communications, allowing dynamic reconfiguration of services
  - *Server and Persistent Object Availability* support for waking and idling shared network services
  - *Data Store Manager* provides facilities for persistence state of an object
  - *Concurrent Requests* support manages multithreading, protecting shared data integrity and avoiding deadlocks
  - *Implementation Support* for functions that simplify object development including long-lived object references, exception handling, and object tracing
  - *Server Management* support for interactively querying the state of the systems, networks, servers, and objects
  - *Application Installation* offers complete support for automated application and object installation and de-installation

Solstice NEO

- System Installation and Management
  - Complete tools for installation and management of the end user and development environments
  - Interface repository administration for traversing information to a specific depth or interface
  - Naming service administration for interactively traversing hierarchical naming contexts
  - Message logging system for tracking output and debugging information
  - Workgroup and Shared Service Administration tools
  - Management tools for organizing objects into systems on the NEO network object system and for assigning system access to workgroups
- Application Installation and Administration
  - Utility for installing, upgrading, and de-installing application components packaged in SVR4 format
  - Server monitoring and management tools for determining availability, installation, and registration, as well as dynamic server reconfiguration capabilities for load balancing
  - Object tracing control with flexibility of dynamic trace redirection

Universal Desktop

- Run thousands of existing Solaris programs
- Side-by-side support for:
  - Common Desktop Environment (CDE)
  - Microsoft Windows (through Wabi™)
  - Macintosh (through MAE™)
- Copy and paste among all environments

Minimum System Requirements

CPU
- SPARC system or compatible

Operating System
- Solaris 2.4

Memory
- 32 MB

Disk
- 30 MB

NEO™

SOLARIS™

Solaris NEO

SunSoft's™ Solaris™ NEO™ 1.0 is a binary compatible extension to the Solaris operating system that allows companies to bring commerce to the Internet by deploying a corporate web of business critical shared services in the form of high-performance, scalable, and robust networked objects. Once deployed, these shared services can be accessed from multiple client platforms throughout the enterprise and the Internet. NEO provides a high-performance, scalable software environment for networked objects that can be quickly and easily modified, extended, and maintained. This ability to respond quickly to change gives companies a competitive advantage in today's fast-paced, global markets.

Solaris NEO provides a robust runtime environment for networked objects with the NEO Network object distribution infrastructure and a set of object application services. In addition, Solaris NEO 1.0 comes bundled with Solstice NEO administration tools for managing networked object applications. The scalable performance offered by SunSoft's advanced multithreading technology and the built-in industrial strength networking capabilities of Solaris supplies the foundation for integrating a heterogenous group of workstations, PCs, and mainframes into a productive, flexible shared system.

Together with SunSoft's WorkShop™ NEO, a comprehensive set of development tools for building networked object applications, Solaris NEO extends the traditional two-tier client/server model to a far more flexible, manageable multi-tier model, allowing business rules and processes to be shared across the Internet through networked objects.

Summary of Features

- Solaris NEO's universal desktop environment supports side-by-side use of thousands of existing Solaris applications with applications for the Common Desktop Environment (CDE), MS-Windows, and Macintosh®, providing complete desktop integration in a heterogeneous enterprise deployment.

- NEO Network, an OMG CORBA-compliant networked object infrastructure, includes a high performance Object Request Broker and support for key services that serve as building blocks for networked object applications. It is designed to efficiently scale to very large numbers of objects and computers, and is multithreaded throughout for robust handling of heavy loads. NEO Network supports the OMG Interface Definition Language (IDL), which allows networked objects to interoperate independent of implementation, platform, and location.

- NEO Services provide a comprehensive shared runtime environment supporting networked object applications. These services automate many core functions that an application developer would otherwise need to write.

- Bundled Solstice NEO administration tools enable the object network to be managed from any location and provides facilities for dynamic load balancing.

- Third-party support is available for connectivity with Microsoft™ Windows desktops through integrating the OLE™ and CORBA object models. OLE-compliant MS-Windows client applications created with standard development tools can transparently access the NEO networked object system.

- Third-party products are available for automatic mapping of legacy data stored in industry standard relational databases into OMG-compliant networked objects, eliminating tedious programming and maintenance.

❖ *SunSoft*