

JINI Network Technology



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JINI

Computer has been redefined

The Traditional Expectation

Memory
Processor
Disk(s)

The New Paradigm

Memory
Processor
NO DISKS!!

- Sun's Technology, Jini is an attempt to rethink computer architecture with more emphasis on network and computer with no disk
- These devices will need to interact over a dynamic network and devices and services will be added and removed regularly
- Jini has grown from early work in Java to make distributed computing easier

JINI

- Provides mechanisms to enable smooth adding, removal, and finding of devices and services on the network
- Provides a programming model for reliable, secure distributed services and makes it easier for programmers to get their devices talking to each other
- The **Java programming language** is the key to making Jini technology work. Built on top of Java, object serialization, and Java Remote Method Invocation (RMI), it enables objects to move around the network from virtual machine to virtual machine. Jini attempts to extend the benefits of object-oriented programming to the network
- Jini is written in pure Java but the clients and the services are not constrained to be in Java