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Agenda

Overview

Technology Evolution

Hot Desk Technology

SunRay and WinXX integration



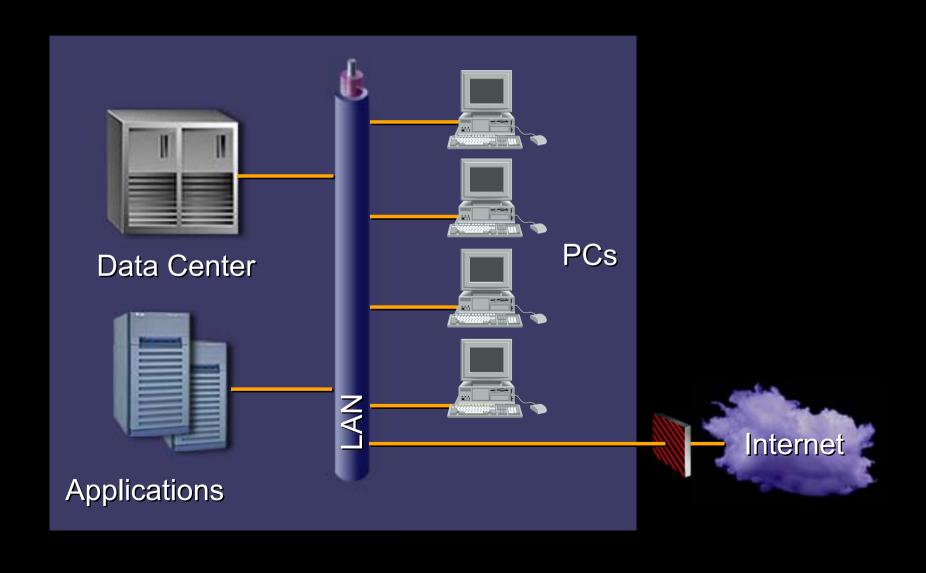
The needs

Provide a cost effective tool to deploy applications/services to the end-users exploiting the ease of use of the Graphical User Interfaces.





Traditional Managed Environment





Machine Room Desktop





Client/ Server Architecture

Back-End (Database)

Front-End (Applications)

Graphical User Interface **Human Interface**



Machine Room Desktop





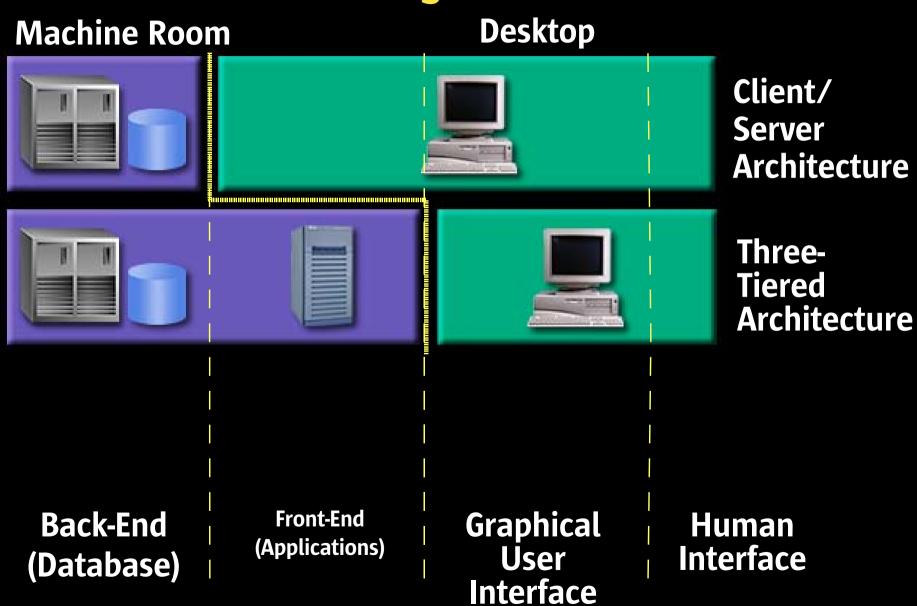
Client/ Server Architecture

Back-End (Database)

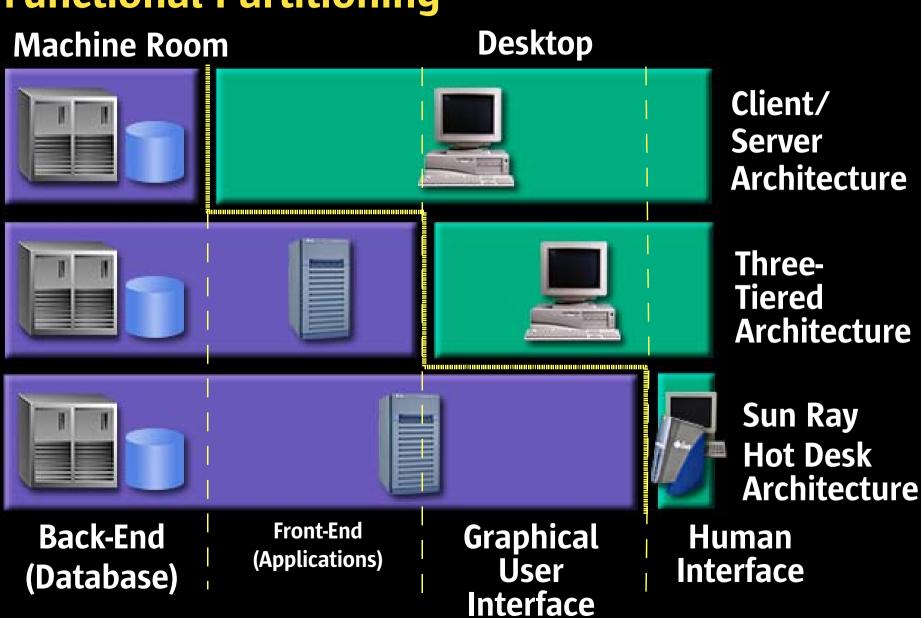
Front-End (Applications)

Graphical User Interface **Human Interface**



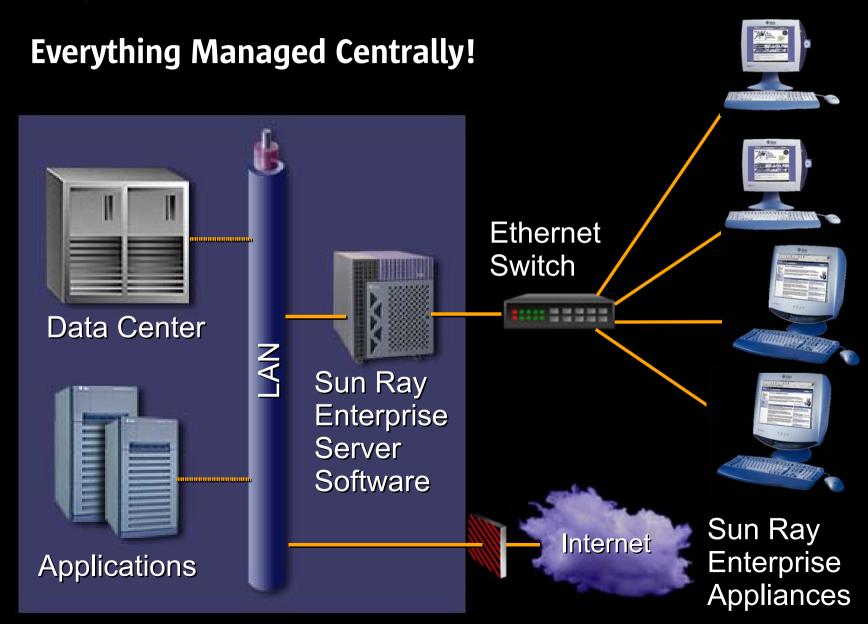








The Sun Ray Hot Desk Architecture





Technology

- Hot Desk Technology
- Sun Ray Enterprise Appliances
- Sun Ray Enterprise Server Software
- Application Interoperability



Hot Desk Technology



What is it?

- The technology underlying the Sun Ray Hot Desk architecture
- Components
 - Server software which instantly maps users' computing sessions to appliances
 - A low-cost, high quality of service interface used to communicate between server and appliance
 - Smart card access



How it Works

Sun Ray Enterprise Appliances

Server Running Sun Ray Enterprise Server SW





User Session



How it Works

Sun Ray Enterprise Appliances

Server Running Sun Ray Enterprise Server SW







How it Works

Sun Ray Enterprise Appliances

Server Running Sun Ray Enterprise Server SW









Sun Ray Enterprise Server Software

Sun Ray Enterprise Server Software Environment

Sun Ray Enterprise Server Software

Interoperability Software

Citrix



Sun Ray Enterprise Appliances Family









Sun Ray 1

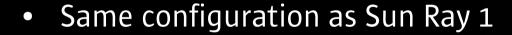
- SPARC CPU
- 1280 x 1024 x 24 frame buffer
- 10/100Mb Ethernet
- Access to Solaris Operating Environment, Java technology-based, Microsoft Windows NT applications
- Rich multimedia capabilities
- Smart card reader
- USB support (4 ports)
- 5 years warranty





Sun Ray 100

ALL-IN-ONE design



- Integrated in a 17" CRT monitor
 - 1280x1024 @ 75 Hz, .26 dot pitch



Never needs to be upgraded!



Sun Ray 150

ALL-IN-ONE design

- Same configuration as Sun Ray 1
- Integrated in a 15" TFT monitor
 - 1024 x 768 @ 60 Hz
- Projector port



Never needs to be upgraded!



Smart Card

- Enables session mobility
 - Session follows unique smart card token
- Multiple policies supported
 - Self registering cards
 - Pre-registered cards only
 - Cardless operation
- Smart cards available through SunStoreSM services/Solaris ready and allies



Mobility

- Since version 1.3 of SunRay Enterprise Server Software, mobility is extended to non SmartCard users
 - Relies on session lock to map session to the right SunRay appliance

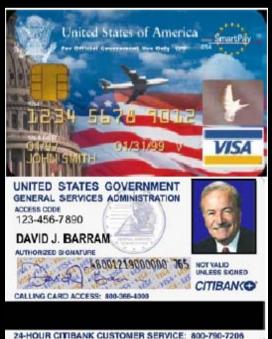


Unique Badge





- Official Employee Badge
- Building Access
- Access to Sun Ray



- Official Employee Badge
- Building Access
- Standard Credit Card
- Digital Certificates
- Calling Card



Applications and Interoperability



StarOffice Software

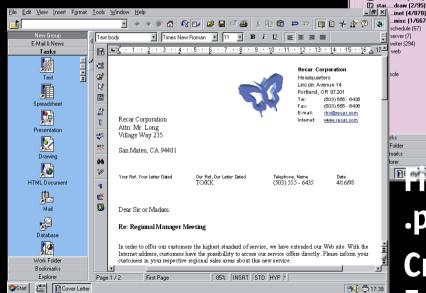
Download Free! No software license fees

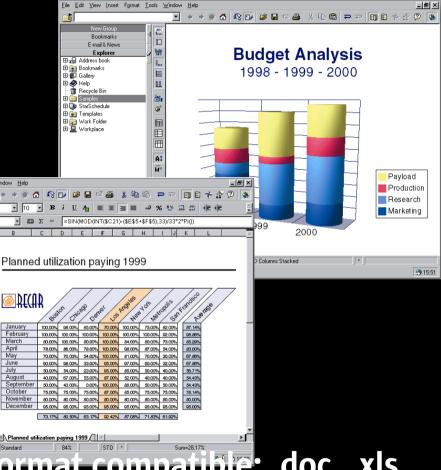
Support, subscriptions, and media kits available from Sun

archive

star....base (314)
star....basic (80)
star....calc (2/80)

Full featured, fully integrate suite





rile format compatible: .doc, .xls, .ppt

Cross platform: Solaris Operating Environment, Microsoft Windows, Linux, OS/2



Available Media Players

ShowMe TV 1.3





SunRay and WinXX integration

- Citrix Metaframe
- SCO Tarantella
- HOB HOBLink
- SunPci II Pro



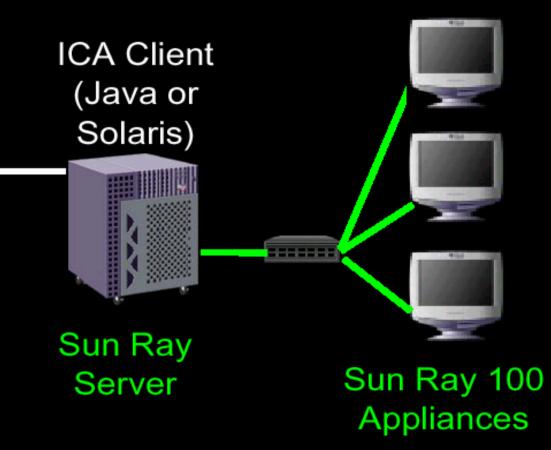
Citrix Metaframe

MetaFrame for Windows



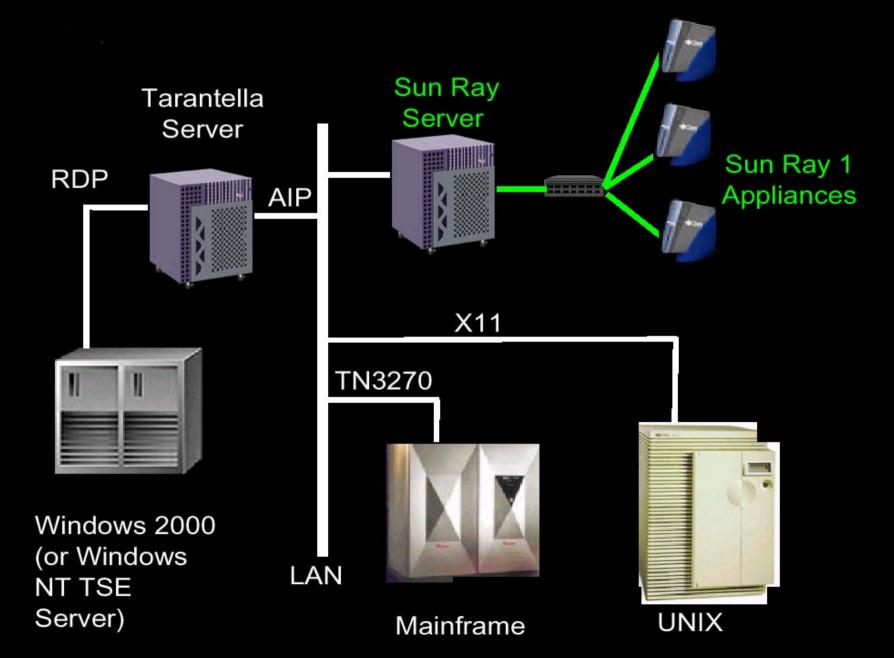
ICA

Windows 2000 Server (or Windows NT TSE)





SCO Tarantella





Competition



Sun Ray Enterprise Appliances vs. Today's Clients

	Sun Ray	WBT	X-Terminal	PC
Plug and Work	Yes	No	No	No
Session Mobility	Yes	No	No	No
Display Rendering	Centralized	Local	Local	Local
O/S	Centralized	Local/Central	Local	Local
Full Multimedia	Standard	Requires	Requires	Requires
		Card	Card	Card



Key Differentiators vs. PCs, WBTs and X-Terminals

- Hot Desking
- No-upgrade appliance
- Solaris Operating Environment RAS
- Power of the server on your desktop



User Experience

- Instant
- Constant
- Simple
- Rich



IT Experience

- Centrally managed
- Low cost
- Interoperable
- Reliable
- Secure
- Scalable

The Appliance Architecture for the Service Driven Network



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