Sun Secure Global Desktop Software

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Desktop Virtualization Marketing

Sun Microsystems, Inc.

Sun Virtual Desktop Solutions

Data Center

Sun Secure Global Desktop Software

Sun Ray™ Software

Enhance existing devices by providing secure access to applications of any type

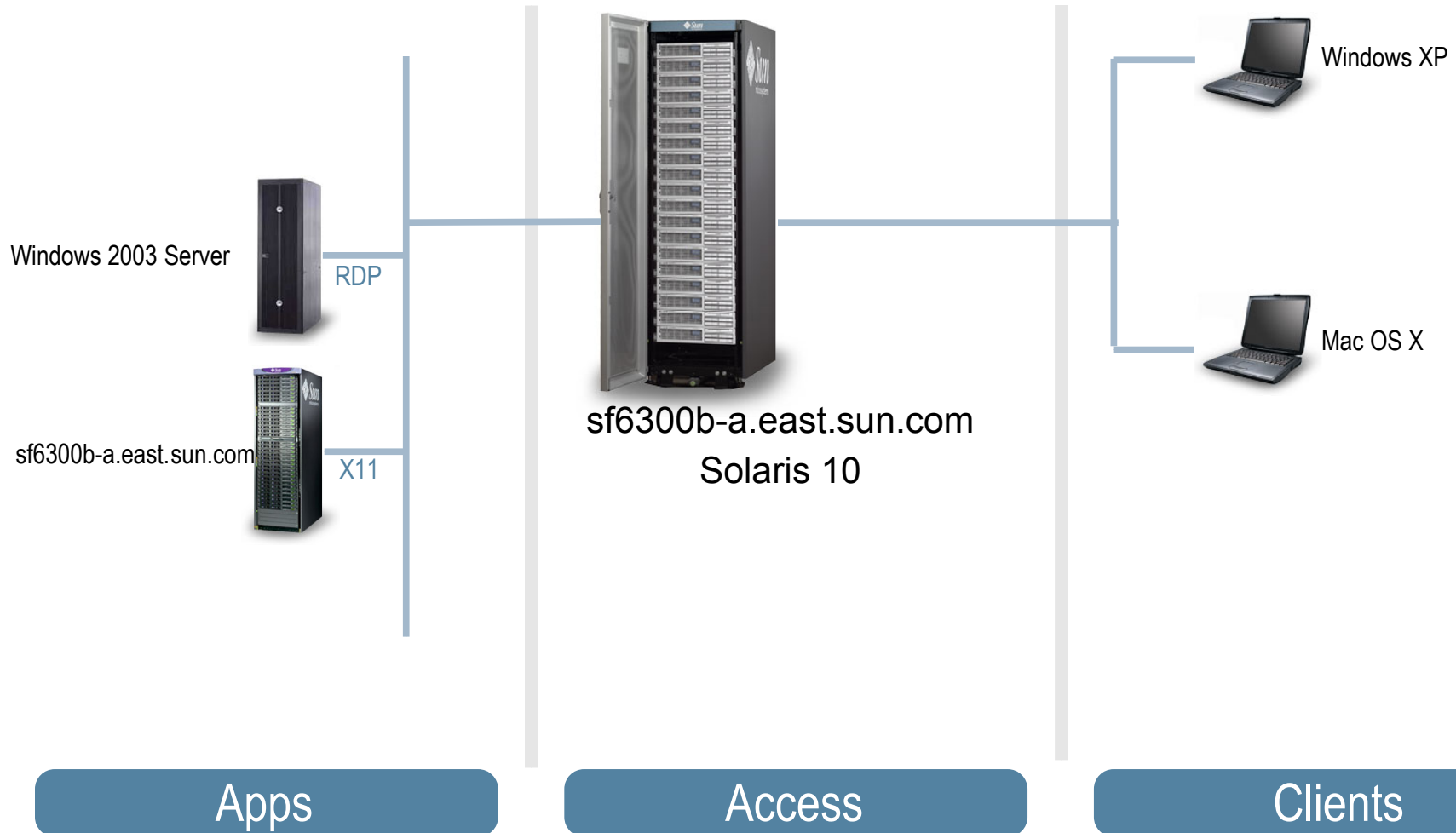**Deploy virtual display clients for end-users that don't require a PC**

Sun Ray Clients

Sun Virtual Desktop Model

Windows XP/Vista — RDP

Windows 2003 Server — RDP

UNIX or Linux Servers — X11

Mainframe/AS/400 — 3270/5250

Virtual Desktop Server

Windows XP

Windows 2000

Windows XP

Mobile

Sun Ray

Thin Client

Apps

Access

Clients

Demo Environment

Windows 2003 Server

RDP

sf6300b-a.east.sun.com

X11

sf6300b-a.east.sun.com
Solaris 10

Windows XP

Mac OS X

Apps

Access
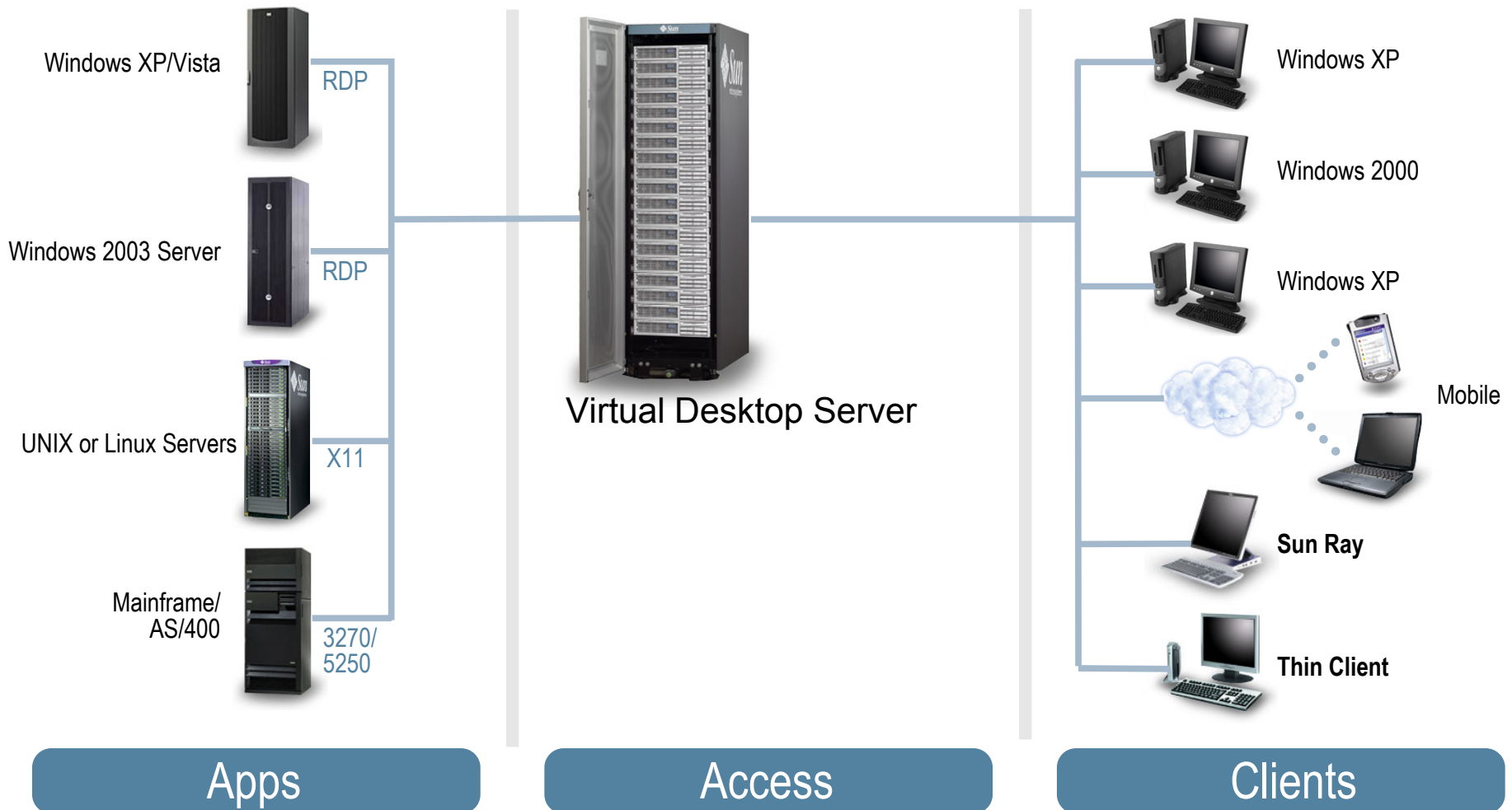
Clients

The Virtual Desktop Continuum

Desktop and applications
Delivered from the Network

Some applications
Delivered from the Network

Applications,
Desktop Environment
and Operating System
are tightly linked together

Desktop

Word on Windows XP

3270 Application

SAP on Windows

Firefox on Solaris

SAP R/3 on Windows

Firefox on Solaris

Adobe Acrobat

Microsoft Word

Microsoft PowerPoint

Internet Explorer

Microsoft PowerPoint

Adobe Acrobat

Applications/Desktop /OS

Desktop/OS

Any OS
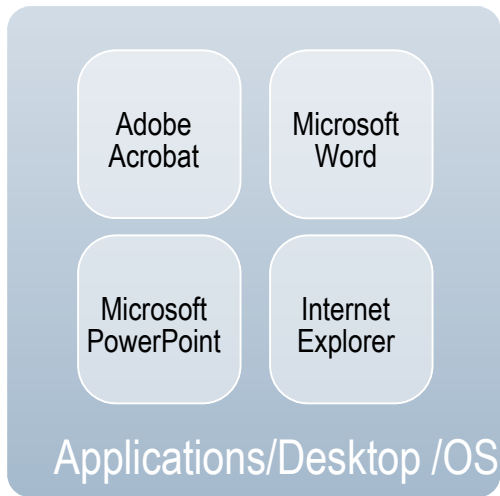
All apps installed on client
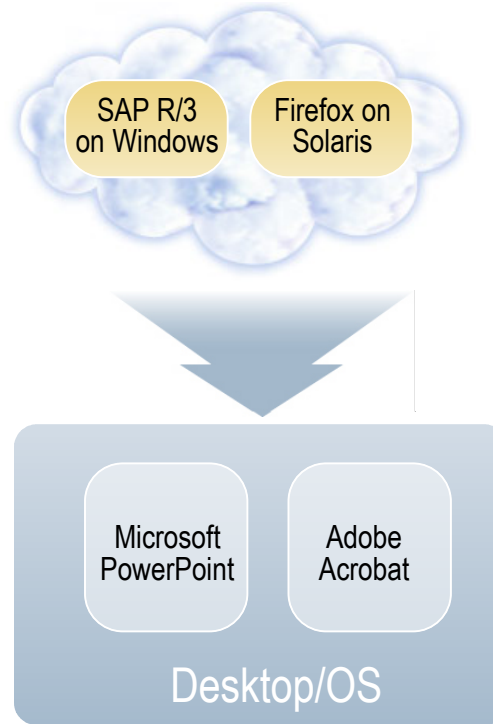
Apps on client and network

All apps on network

The Network Delivery Continuum

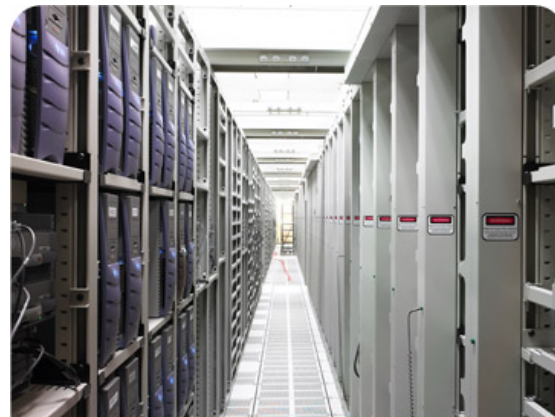# Virtual Display Computing Benefits

Security

Any Application

Operational Efficiency

End-user Mobility

Scale and Uptime

Device Choice

Driving Requirements

Disasters

Need for Instant Desktop Recovery & Provisioning
Quickly recover, re-provision and re-establish user access to ensure business continuity.

Alternative Workspace

Need for Remote Offices, Virtual Offices, Hoteling
Support for a virtual work environment where users have alternative access to complete desktop resources while working remotely.

Outsourcing

Need for Secure and Controlled Access by Outsourcing Entities
Secure data and resources within the corporate data center and Provide outsourced or offshore developers.
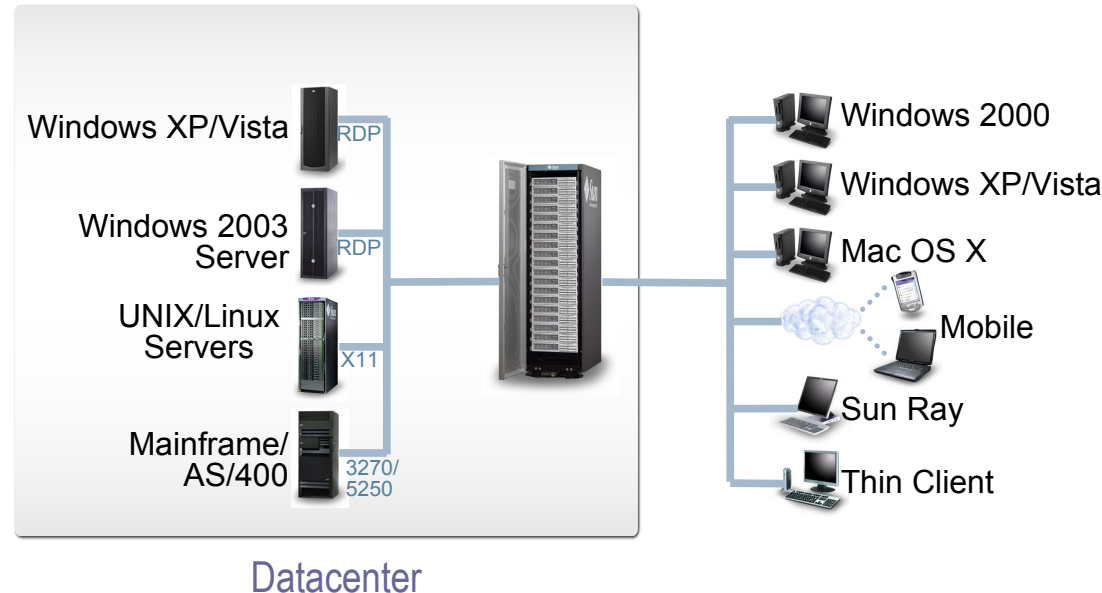
Compliance

Need for Desktop Consolidation & Standardization
Contain desktop proliferation and build a standardized, centrally-managed desktop environment that adheres to internal and external compliance guidelines.

Disaster Recovery
Need for Instant Desktop Recovery & Provisioning

- How?
  - > The Desktop Environment and applications never leave the datacenter.
  - > If the client device fails, Sun Virtual Desktop Solutions allow users to simply work from another device, in another place, immediately.
- Why Sun?
  - > Sun can provide the servers, the infrastructure software, and work to almost any client.
  - > Users may be inside or outside the corporate network.
  - > Sun can deliver Windows, Solaris and Linux Desktop environments

Windows XP/Vista — RDP

Windows 2003 Server — RDP

UNIX/Linux Servers — X11

Mainframe/ AS/400 — 3270/ 5250

Windows 2000

Windows XP/Vista

Mac OS X
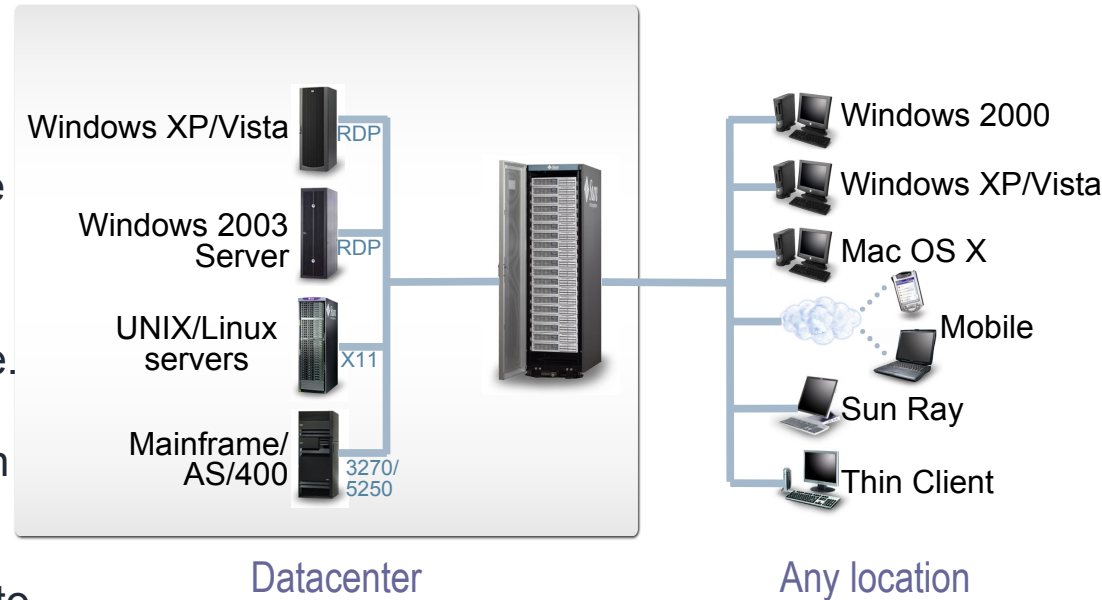
Mobile

Sun Ray

Thin Client

Datacenter

Alternative Workspace
Need for Remote Offices, Virtual Offices, Hoteling
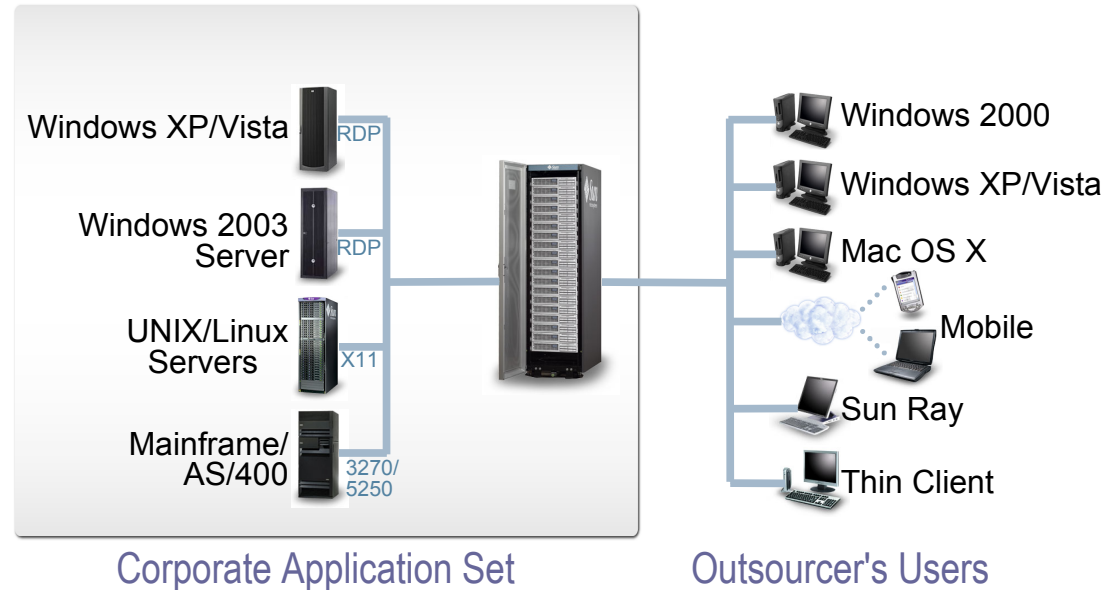
- How?
  - > Sun Virtual Desktop Solutions deliver desktop environments and applications beyond the corporate network boundary.
  - > Multiple applications or desktop environments can be delivered to the same screen at the same time.
- Why Sun?
  - > Strong security and authentication model.
  - > Sun can provide the servers, the infrastructure software, and work to almost any client.
  - > The Solaris and Linux platform as the Virtual Desktop Server
  - > Sun can deliver multiple desktops environments and applications, running on multiple platforms, at the same time.

Windows XP/Vista   RDP

Windows 2003 Server   RDP

UNIX/Linux servers   X11

Mainframe/ AS/400   3270/ 5250

Datacenter

Windows 2000

Windows XP/Vista

Mac OS X

Mobile

Sun Ray

Thin Client

Any location

Outsourcing

Need for Secure and Controlled Access by Outsourcing Entities
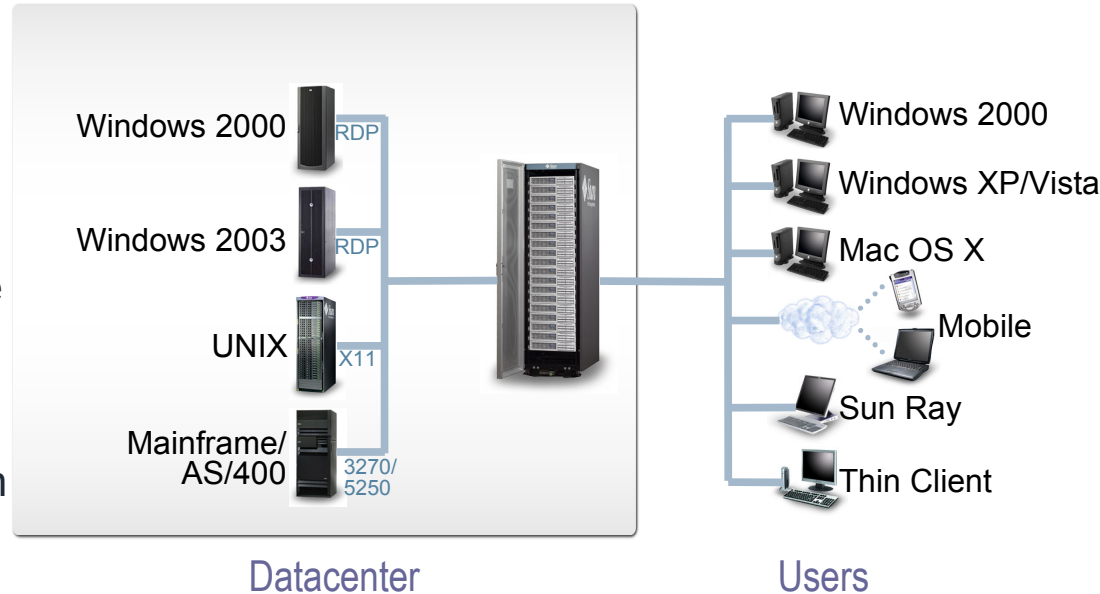
- How?
  - > Corporate applications remain in the Datacenter.
  - > Controlled access is provided to outsourcer via Sun Virtual Desktop Solutions.
- Why Sun?
  - > Sun can provide the servers, the infrastructure software, and work to almost any client.
  - > The Solaris and Linux platform as the Virtual Desktop Server

Windows XP/Vista — RDP

Windows 2003 Server — RDP

UNIX/Linux Servers — X11

Mainframe/ AS/400 — 3270/ 5250

Corporate Application Set

Windows 2000

Windows XP/Vista

Mac OS X

Mobile

Sun Ray

Thin Client

Outsourcer's Users

Compliance
## Need for Desktop Consolidation & Standardization

- How?
  - > Corporate applications remain in the Datacenter.
  - > Controlled access is delivered via Sun Virtual Desktop Solutions.
  - > Applications and data never leave the corporate netwok.
- Why Sun?
  - > Breadth of application support
  - > Strong security and authentication model
  - > Auditable access.
  - > The Solaris and Linux platform as the Virtual Desktop Server

Windows 2000   RDP

Windows 2003   RDP

UNIX   X11

Mainframe/
AS/400   3270/
5250

Windows 2000

Windows XP/Vista

Mac OS X

Mobile

Sun Ray

Thin Client

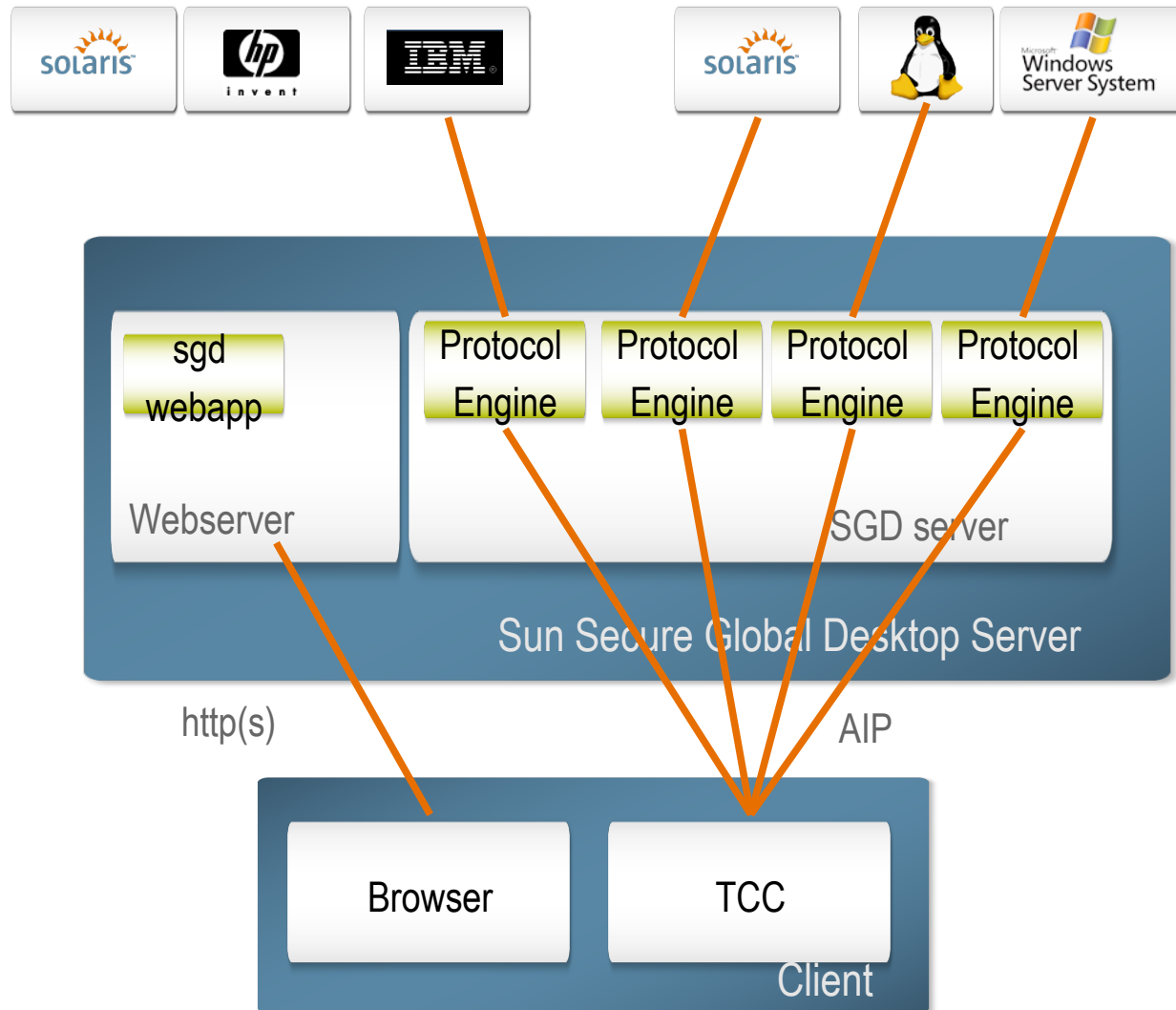Datacenter   Users

User Experience Demo

- Out of the box

- Delivering a Windows Desktop

- Seamless Windows

- Using the Command Line to create application objects

- PDF Printing

- Client Drive Mapping
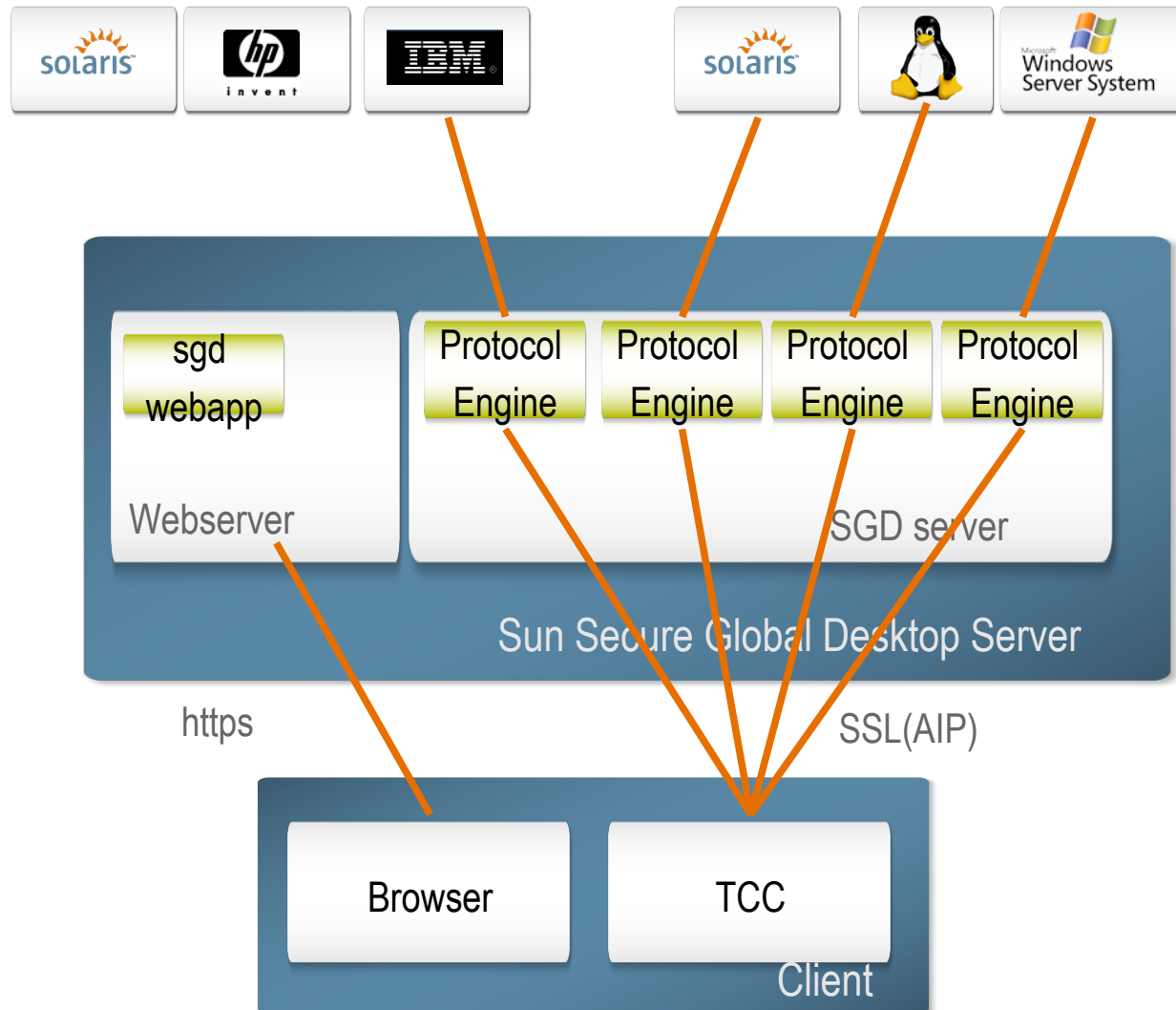
Sun Secure Global Desktop Architecture
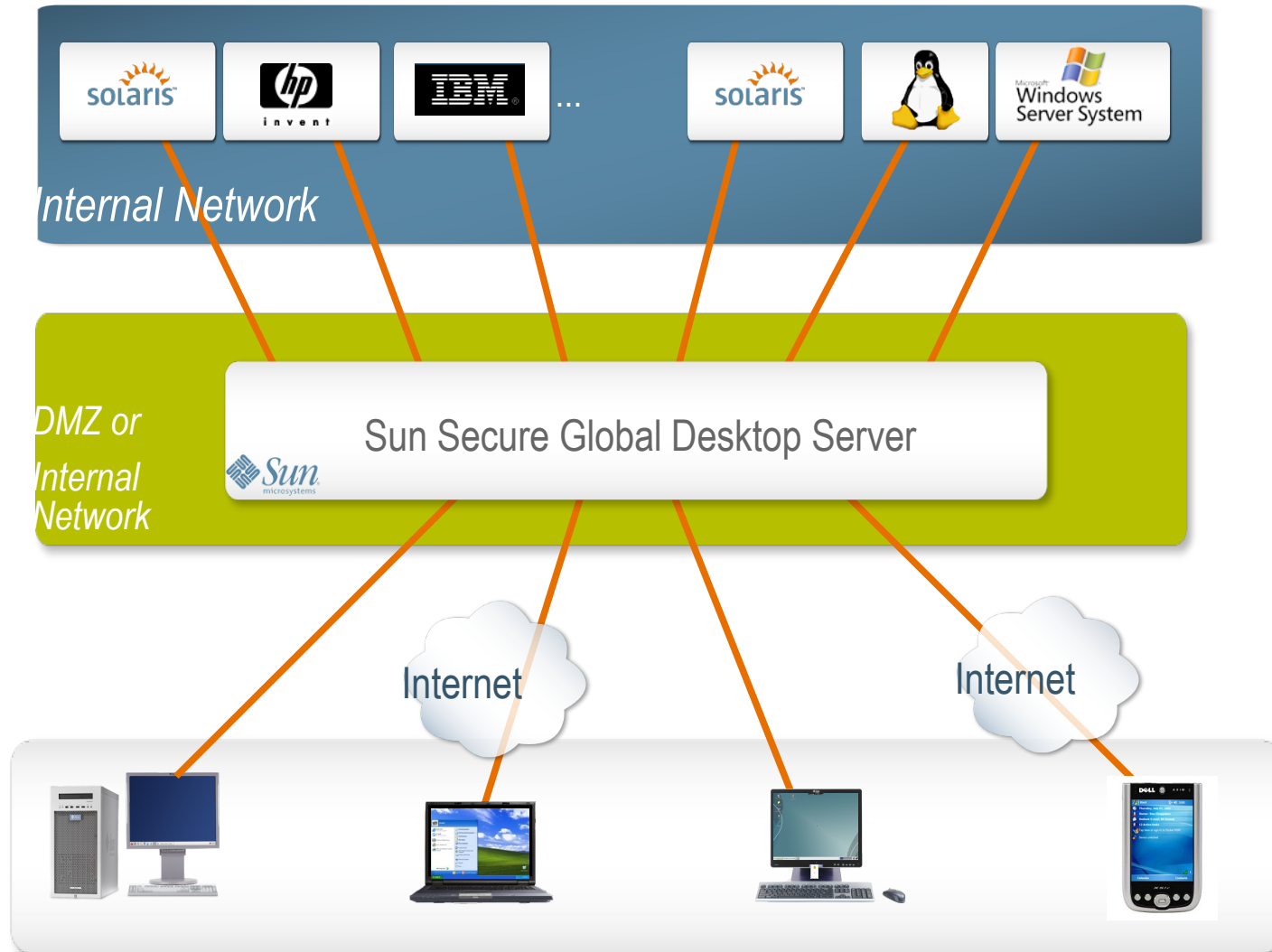
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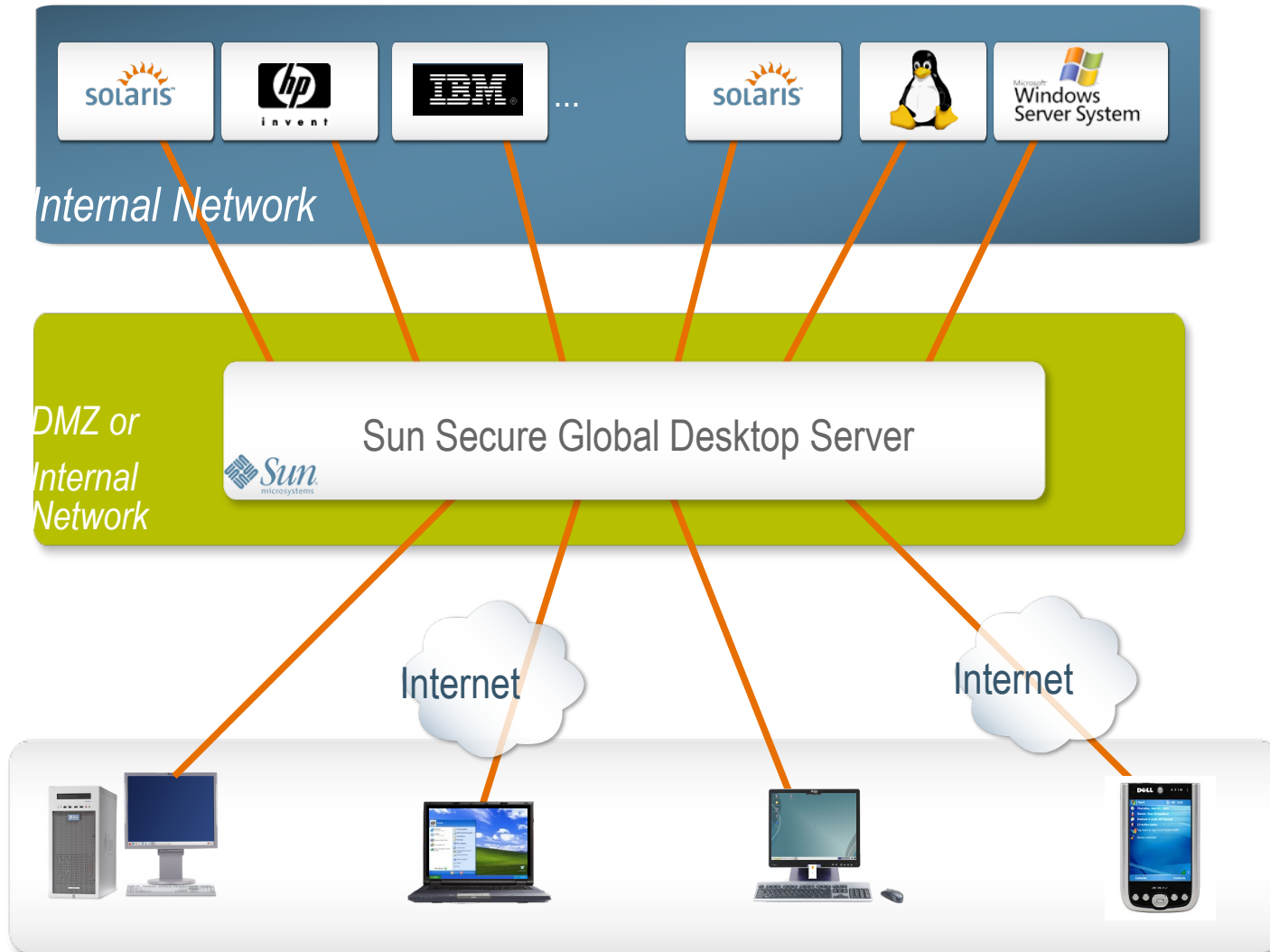
Security Demo

- Install a server certificate
- Start SGD server in secure mode
- Start web server in secure mode
- Connect over https
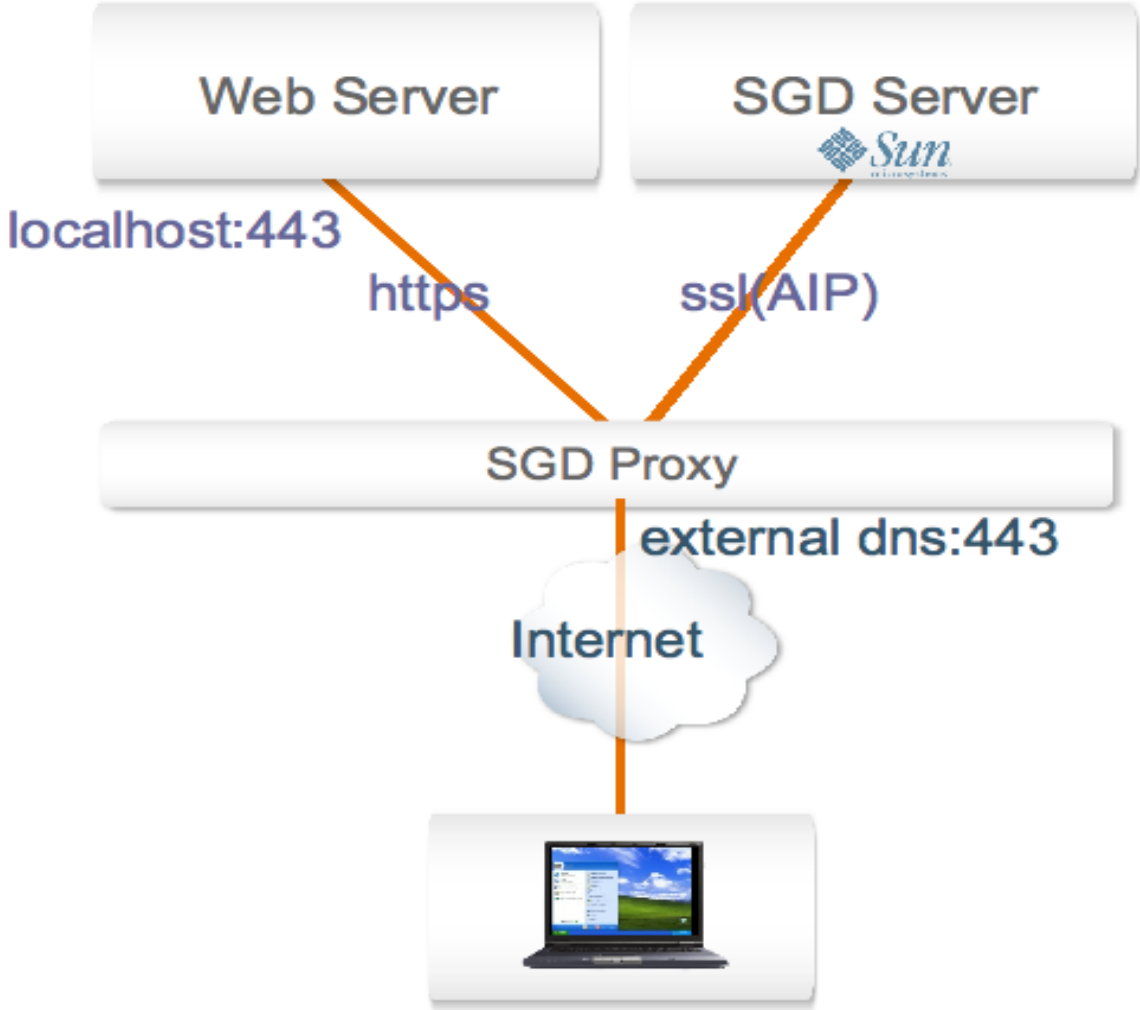
Sun Secure Global Desktop Architecture

Remote Access Deployment

Internal Network

DMZ or Internal Network

Sun Secure Global Desktop Server

Internet

Internet

Working over a single port

Single port Demo

- Reconfigure the web server
- Move SGD to listen on 443
- Tell SGD where to forward non-AIP traffic
- Restart the web server with ssl
- Restart the SGD server

Questions?