



Tarantella[®] Express[™] Administration

Transparency Masters

Course Release: 1.0

For Software: Tarantella Express

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Introduction to Tarantella

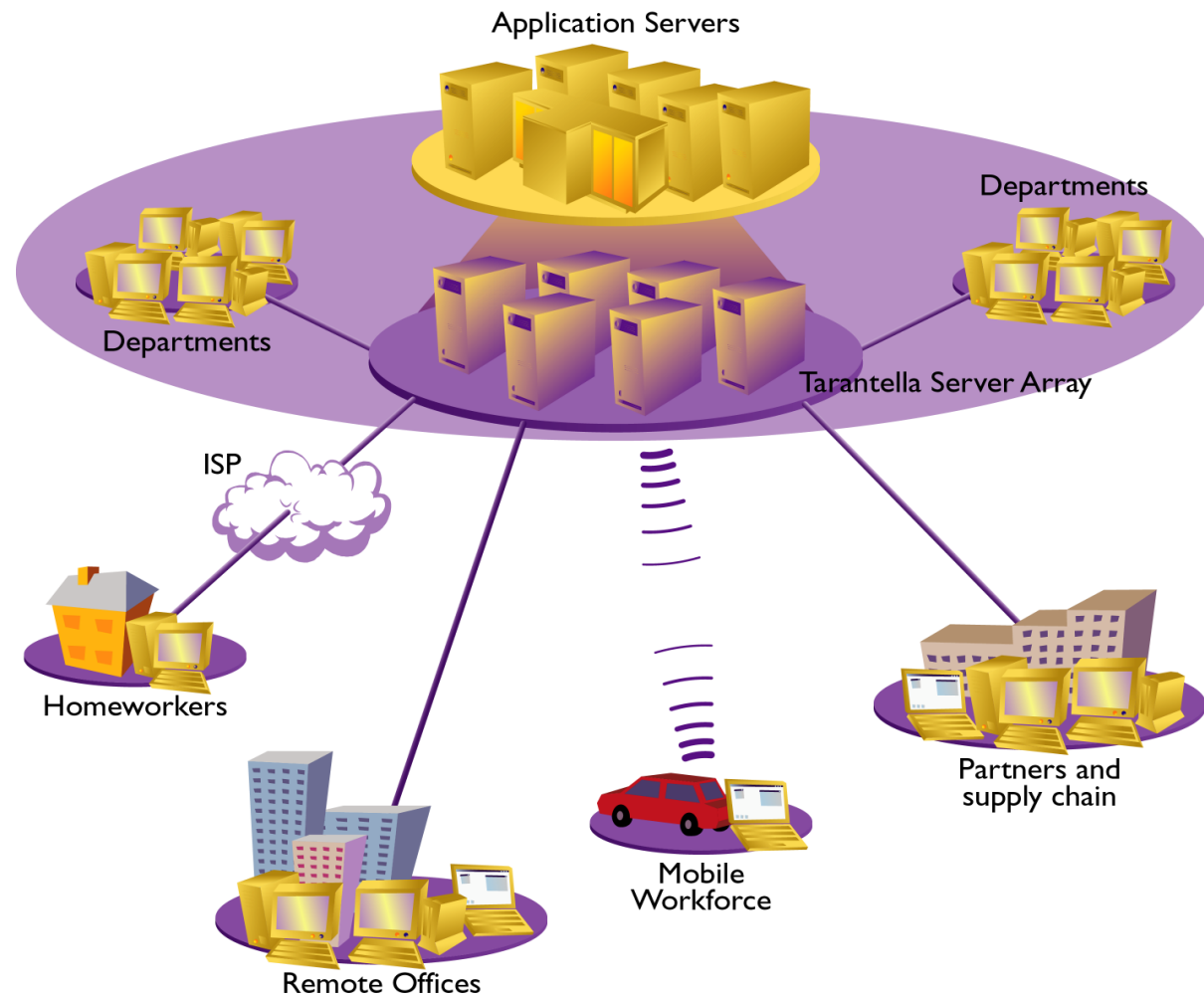
- Understanding the format of this course
- Logging into Tarantella
- Using the Webtop
- Logging out of Tarantella
- Locating Tarantella Help



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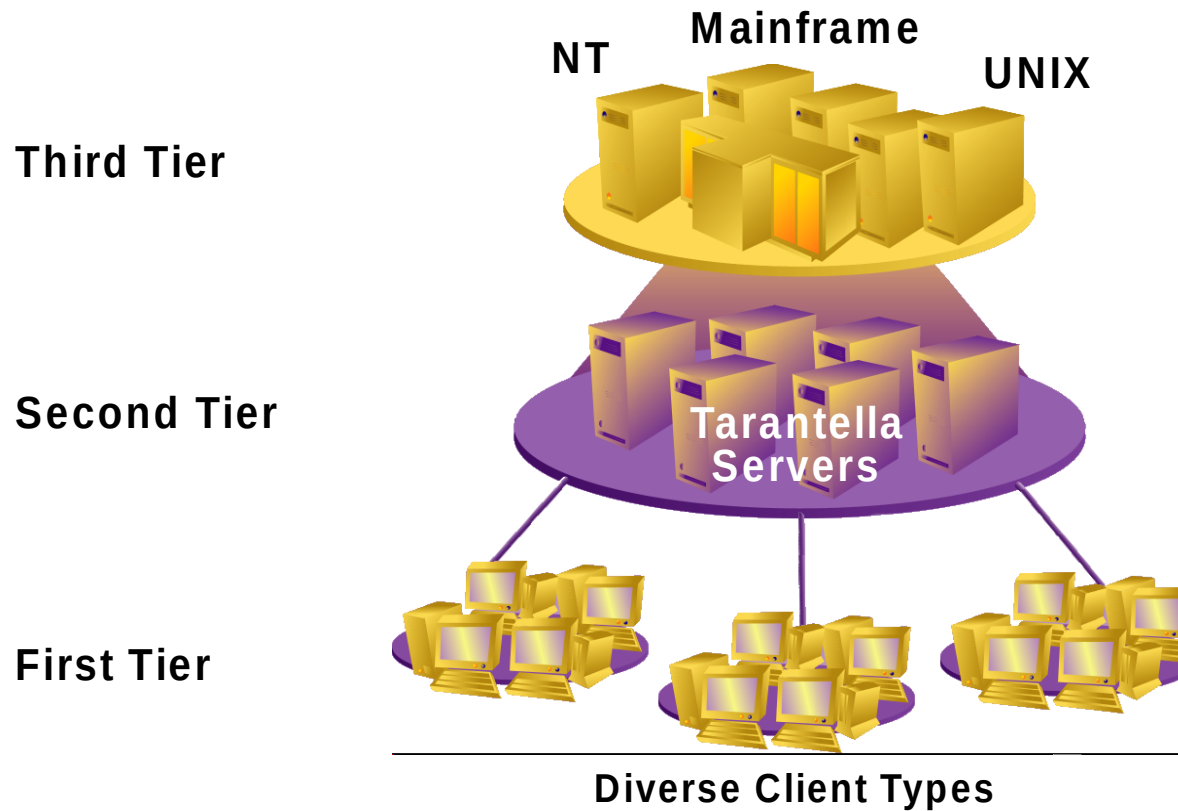
Tarantella at Work



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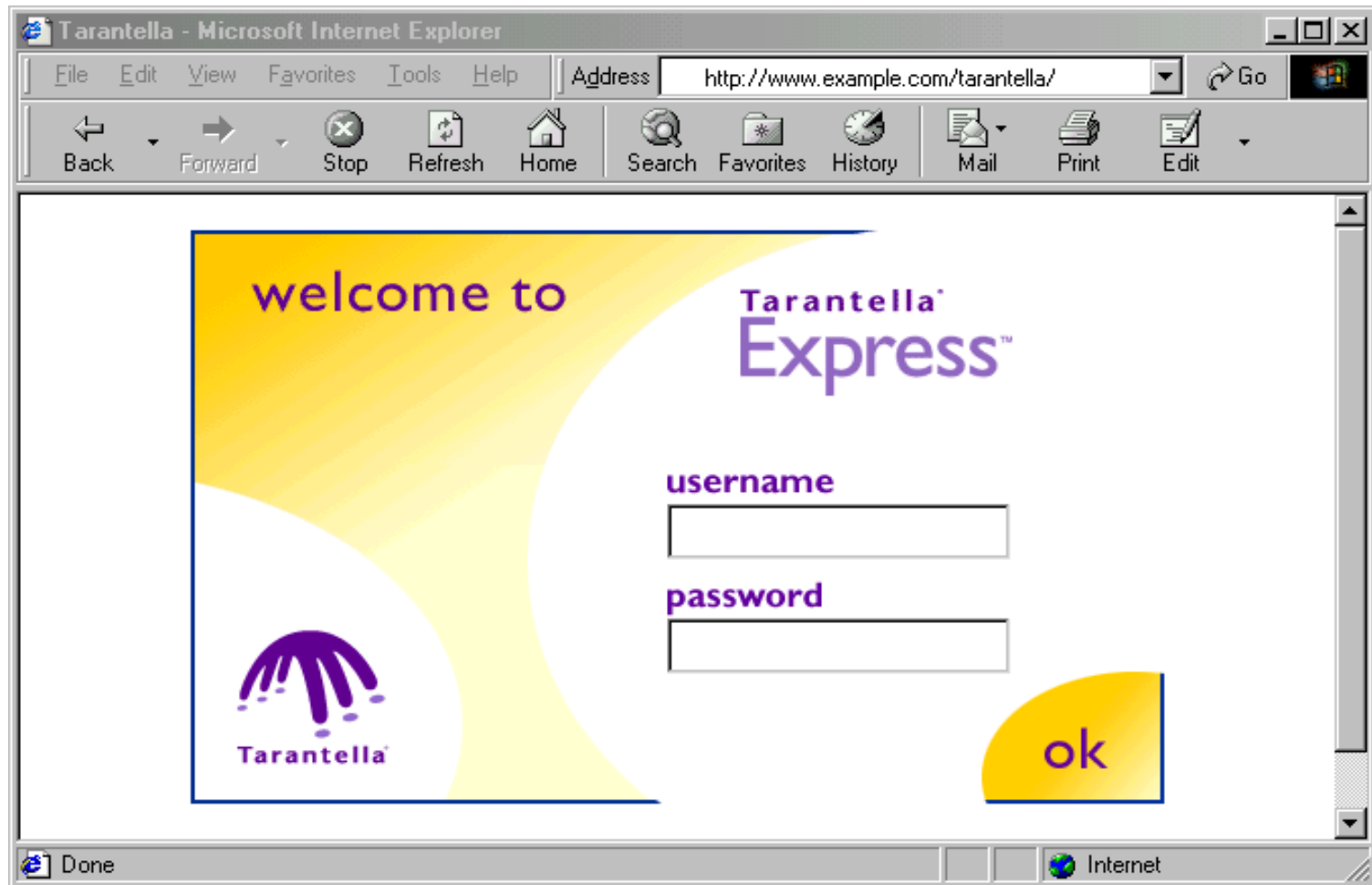
Tarantella's Three Tier Architecture



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The Tarantella Express Login Screen



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The Tarantella Express Webtop

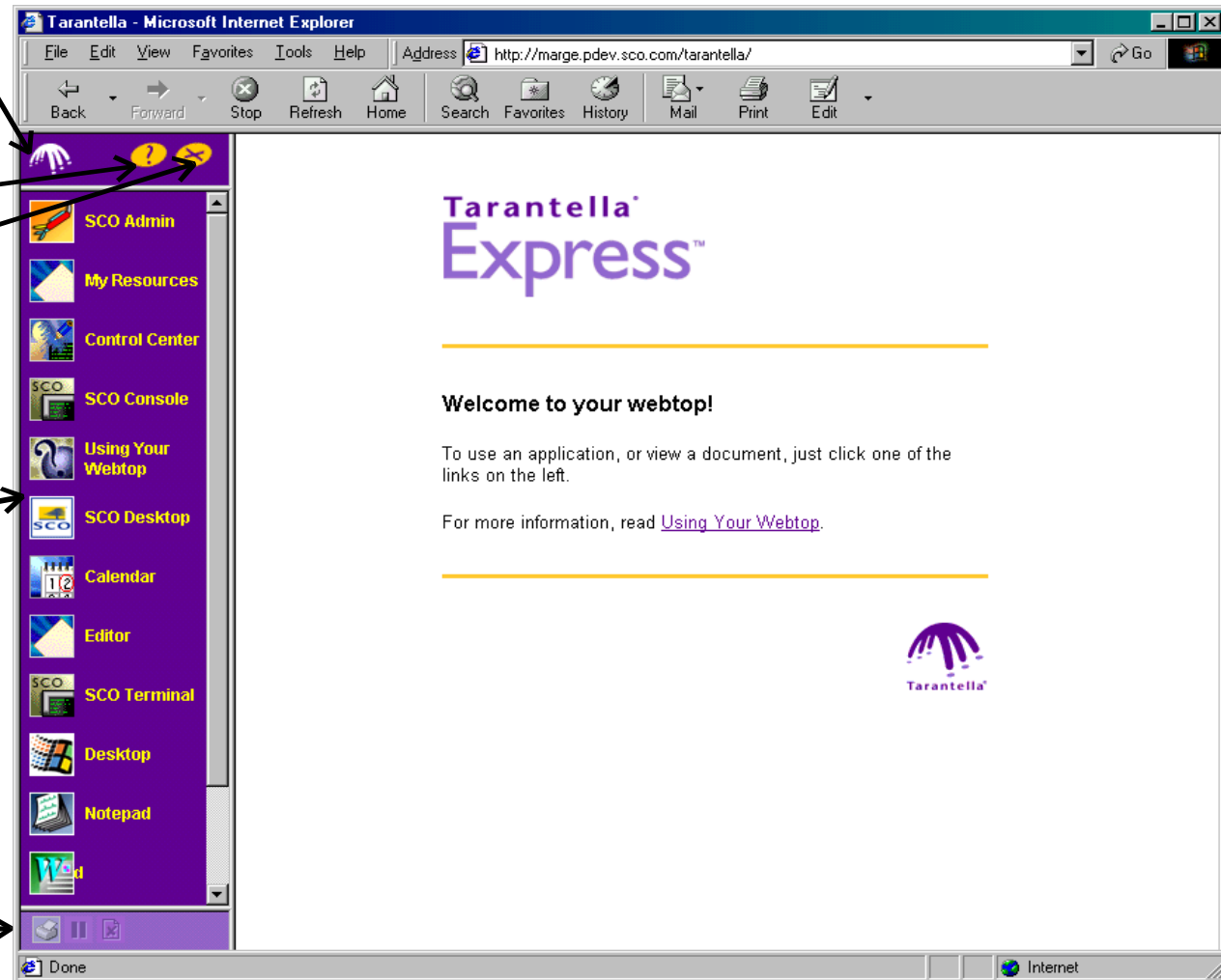
About Tarantella

Help

Logout

Launch Pad

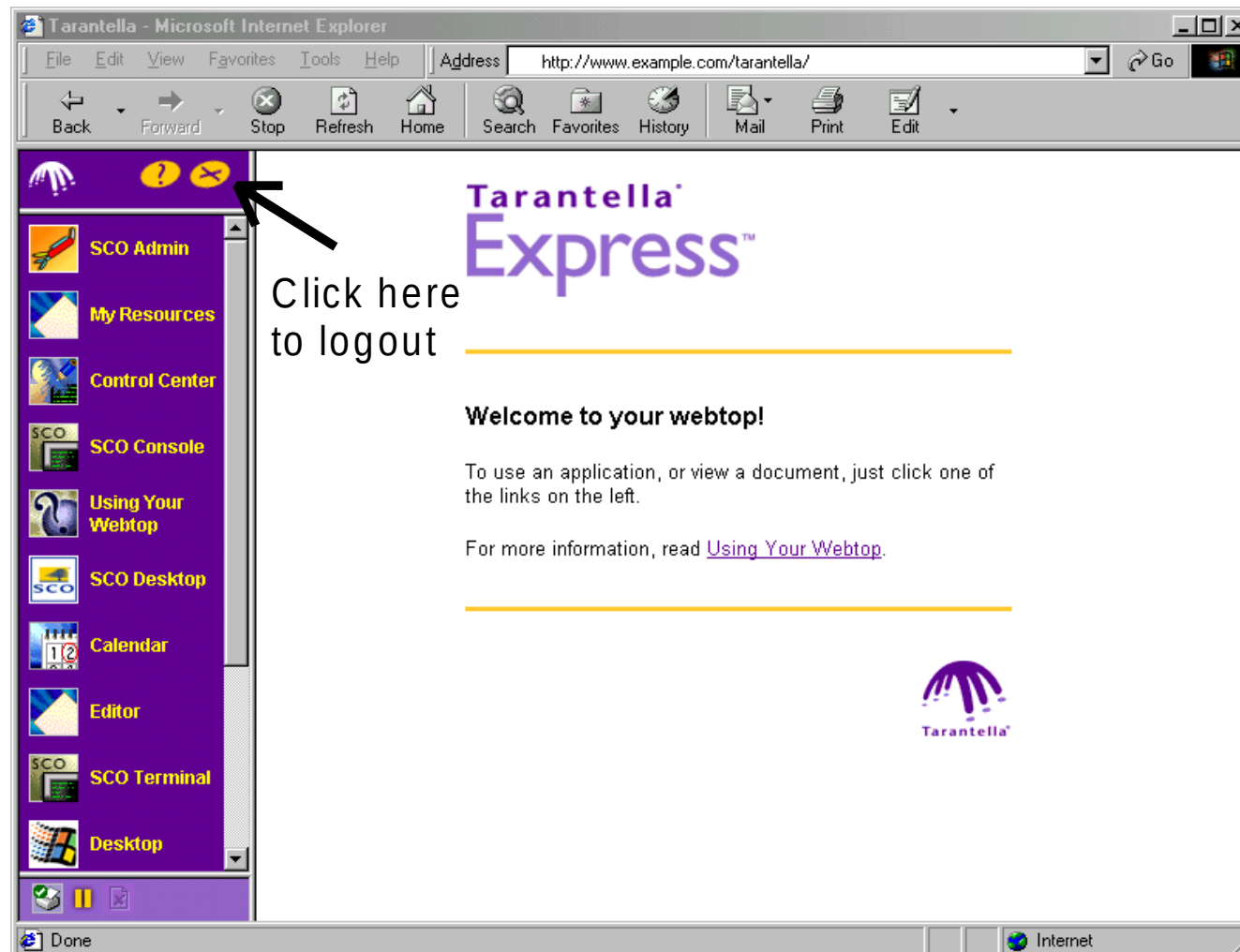
Printing



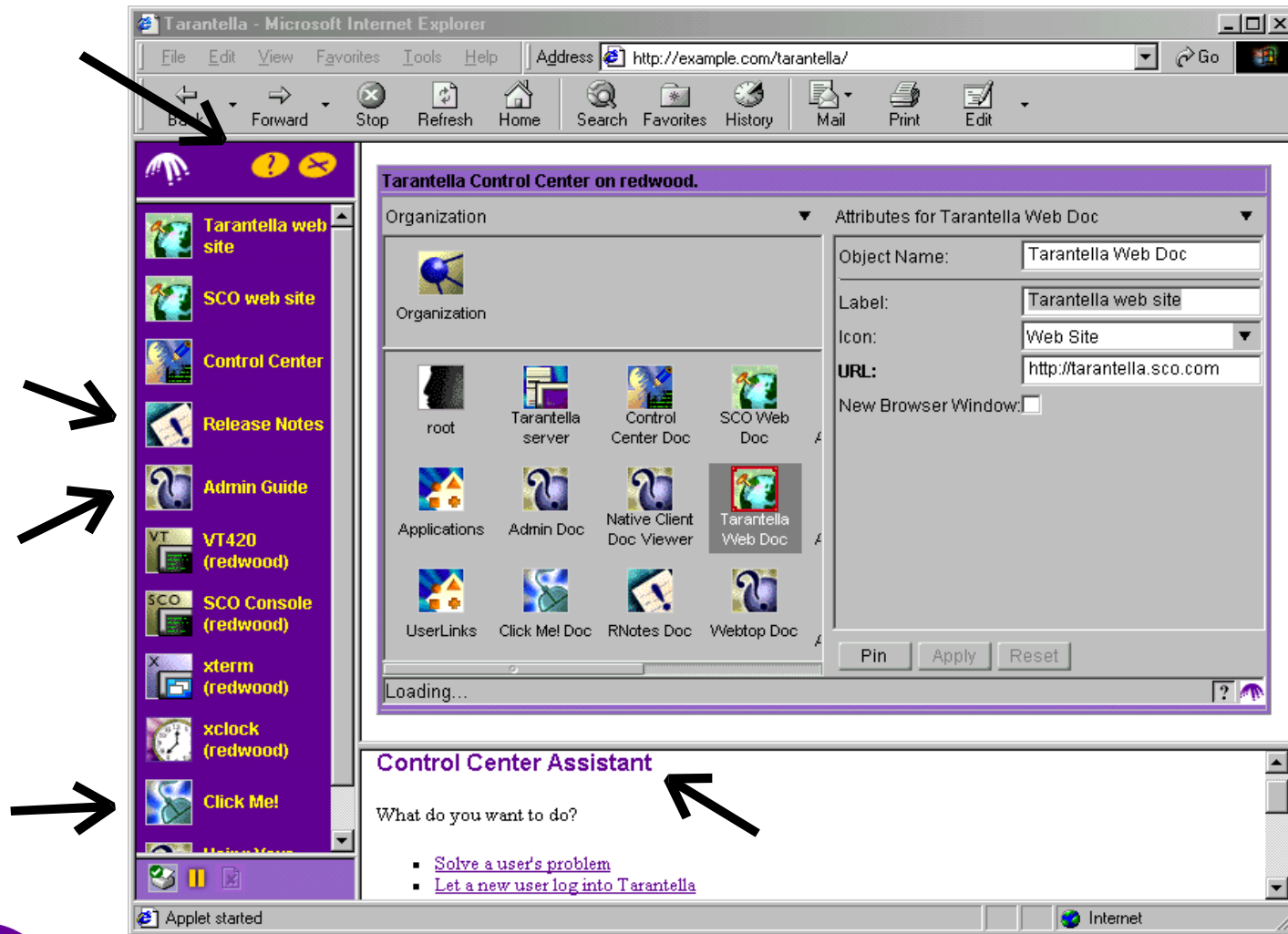
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Logging out of Tarantella Express



Tarantella Help



Installing Tarantella

- Installing Tarantella
- Web Server Configuration
- Connecting to Tarantella



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The Tarantella Express Webtop

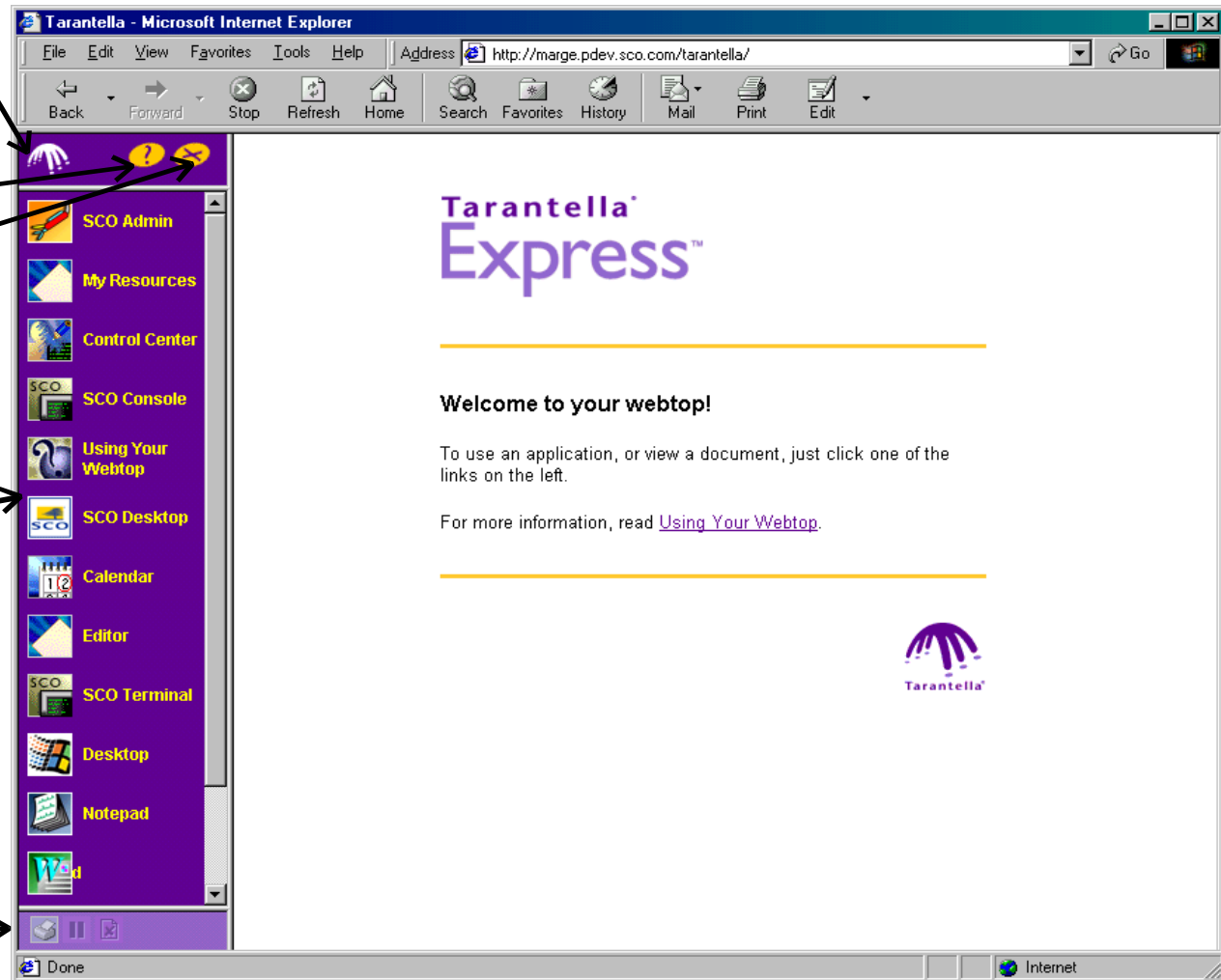
About Tarantella

Help

Logout

Launch Pad

Printing



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Modeling an Organization

- Creating Objects
- Modeling an Organization
- Administering Objects



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The Control Center

Hierarchy pane

Details pane

Hierarchy view list

Parents box

Children box

Status bar

Details view list

Point help

Progress indicator

Tarantella Control Center on redwood.

Organization

Organization

root

Tarantella server

Control Center Doc

RNotes Doc

Applications

Admin Doc

Native Client Doc Viewer

SCO Web Doc

UserLinks

Click Me! Doc

Notepad

Solitaire

* Attributes for root

Object Name: root

Label: root

Icon: Person

Authenticate Using: (Automatic)

Webtop Theme: Use parent's theme

Home Page:

Preferred Locale: (Automatic)

Connection Type:

Keymap File:

Pin Apply Reset

Click to apply your changes now.

Loading...



The Tarantella Native Client

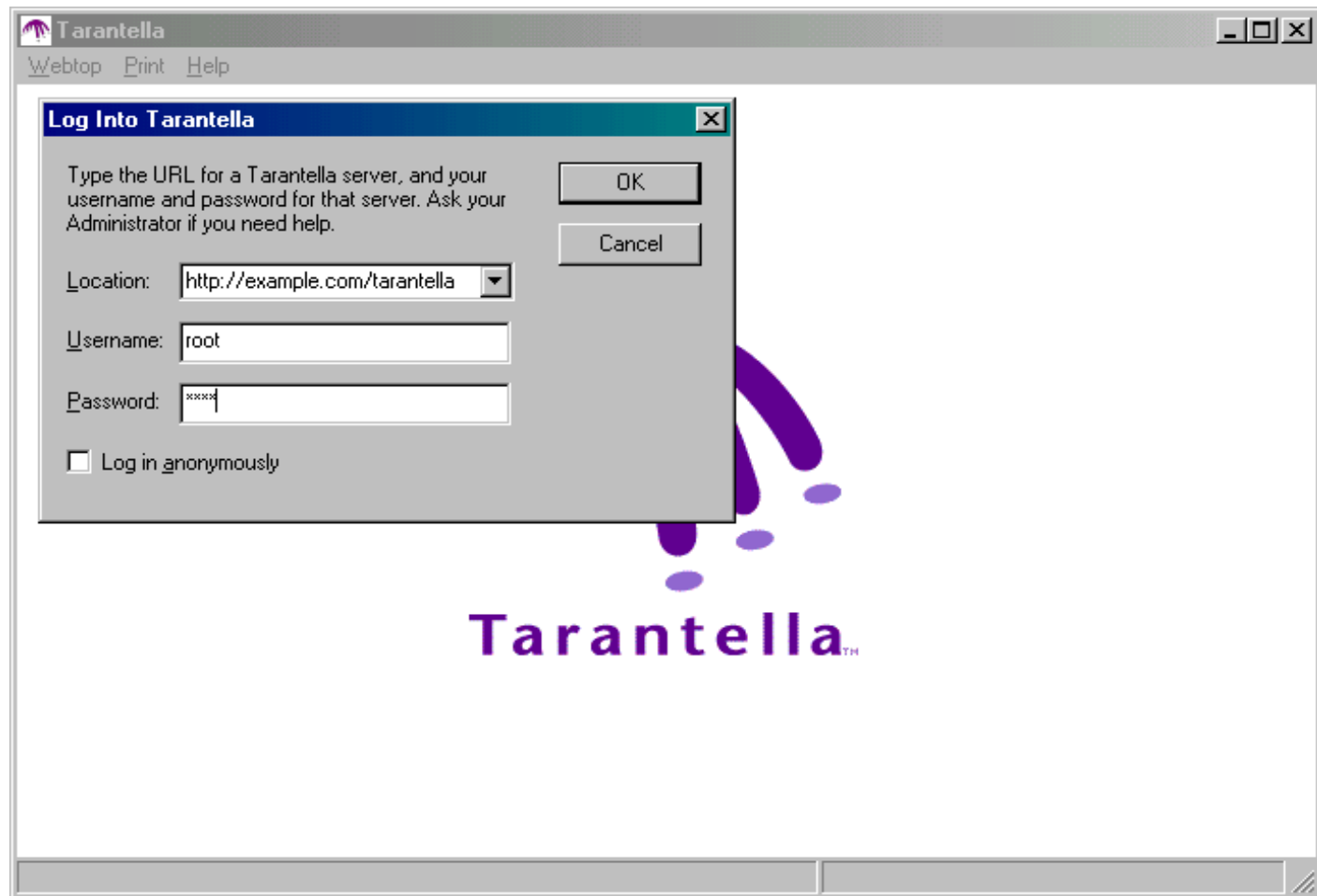
- Installing the Native Client
- Running the Native Client
- Logging in via the Native Client



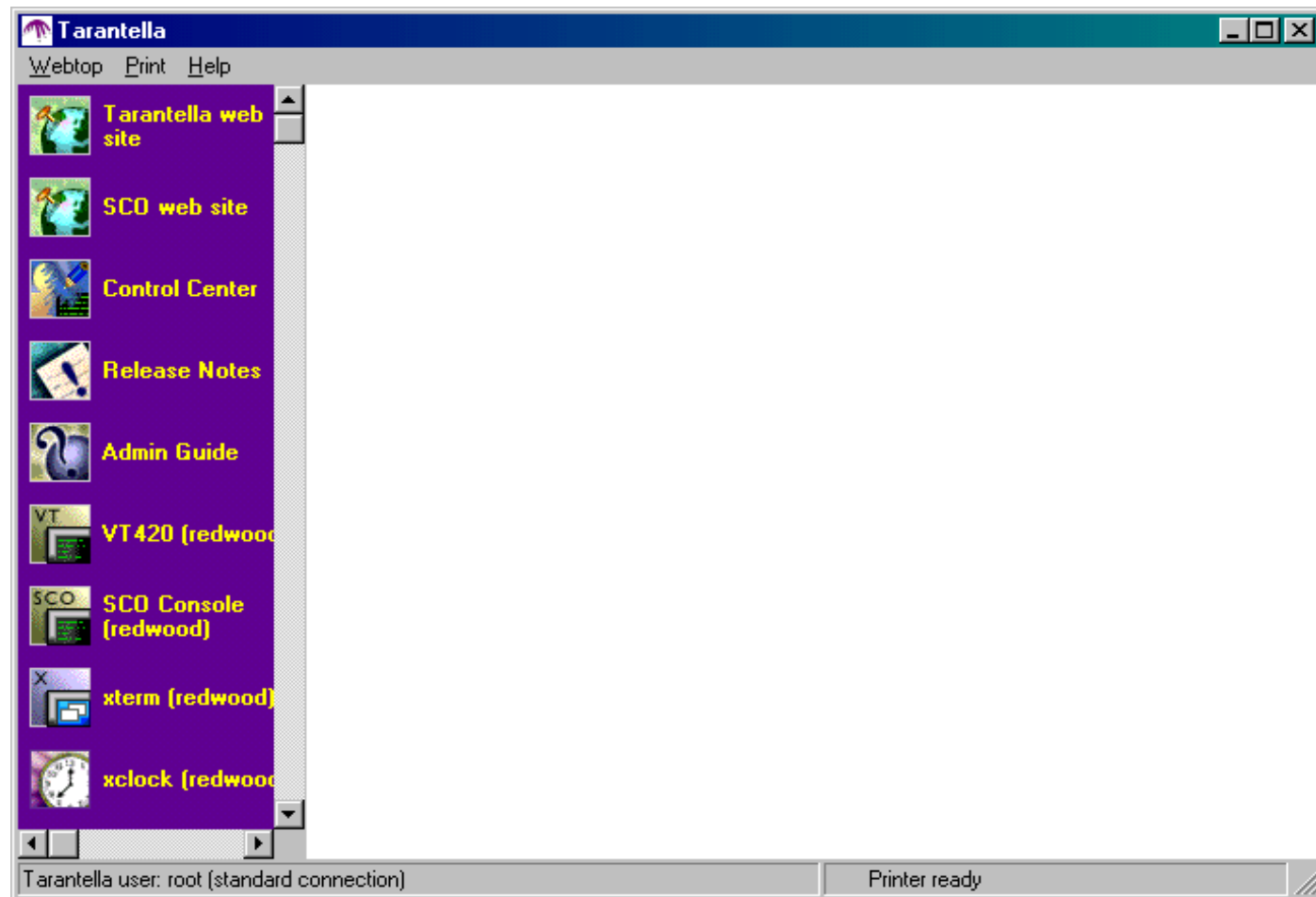
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Logging into Tarantella via the Native Client



The Tarantella Native Client Webtop



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Printing under Tarantella

- How Tarantella Printing Works
- Configuring a Printer
- Submitting Print Jobs under Tarantella



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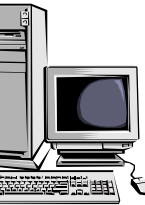
How Tarantella Printing Works

Third Tier



Application
Server

LPD



Tarantella
Server

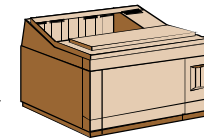
Second Tier

Print Protocol
Engine (PPE)



First Tier

Parallel
Serial
SMB
LPD
HP Jet Direct
Etc.



Printer



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The Tarantella Security Pack

- Installing the Tarantella Security Pack
- Obtaining an X.509 Certificate
- Installing an X.509 Certificate
- Enabling the Tarantella Security Pack



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The Tarantella Certrequest Command

```
# ./tarantella security certrequest --orgname "Example Co, Inc." --country "US"
--state "California"
```

The certificate's common name (CN) will be: redwood.example.com

This hostname is included in the certificate signing request (CSR) and corresponds to the name of the server that users will connect to.

- If DNS names are used to connect to the server, the hostname above MUST be a fully qualified DNS name.
- If clients are required to connect to the server using an IP address, the hostname above should be the IP address. A DNS record for this IP address SHOULD NOT exist.

For clients to accept the certificate once it's installed, a DNS lookup of the hostname followed by a reverse lookup of the result must return the original hostname.

The hostname to be used in the certificate request is redwood.example.com.

```
Do you want to use this hostname? [yes]
4368 semi-random bytes loaded
Generating RSA private key, 1024 bit long modulus
....+++++
*****+++++
e is 65537 (0x10001)
```

Verify that this host name is correct

Certificate Signing Request (CSR): Summary

```
Subject:
  C=US
  ST=California
  O=Example Co, Inc.
  CN=redwood.example.com
```

The information above will be contained in the CSR.

Create CSR now? [yes]

Send the following Certificate Signing Request (CSR) to a Certificate Authority, such as VeriSign (www.verisign.com). Check with your CA that you're providing all the information they need.

```
-----CUT HERE-----
-----BEGIN CERTIFICATE REQUEST-----
MIIBIzCCAQAQAQAwVzELMAkGA1UEBhMCVVMxEzARBgNVBAgTCkNhbmG1mb3JuaWEX
GTAXBgNVBAoTEEV4YWN1bGUgQ28sIEluYy4xGDAWBgNVBAITD3J1ZDdvb2Quc2Nv
LmNvbTCBnzANBzAgkqhkiG9w0BAQEFAAOBjQAwYkCgYEA1W+qbAh5JTQAQFSTxV2b
8JWcYe6wFFJgRt089QAXOTGOFdr899yL4hyLqYEjX8HZe/qypV8gbE4LwTmRPSRm
G+IjaNq2EBEAb3qdSuSHY8y2XM0Vp/iKZQLQt+bNuneN1bDuyWQeWKA62i70IwPf
zhP00t0K/qHdGaLcteb/gekCAwEAAMAA0GCSqGSIb3DQEBAQUAA4GBAIdhk/Rv
z6ZterZb7I1Tr9gJVU5fyFtCVF/dcvBx8RKzFeD3Nb80iD7f1zvxL3UlyBoV/f/k
dCOMazAD8j3cbGII20vry9BKqbYYGmS1/++35h5RoamIqa8rVltSf7HzCA42t901
GzUFgpcRpCOWDxAqV62NJ7//DzWEivvONURp
-----END CERTIFICATE REQUEST-----
-----CUT HERE-----
```

Cut-and-paste this into a file

When you receive your certificate, use 'tarantella security certuse' to install it.

For more information, see 'Tarantella Security Pack overview' in the Tarantella Administration Guide Index.

#



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The Tarantella Certuse Command

```
# ./tarantella security certuse < /tmp/cert
```

```
-----  
Certificate: Summary  
-----
```

```
Subject:
```

```
C=US  
ST=California  
O=Example Co, Inc  
CN=devnull.uss.sco.com
```

```
Issuer:
```

```
C=ZA  
ST=FOR TESTING PURPOSES ONLY  
O=Thawte Certification  
OU=TEST TEST TEST  
CN=Thawte Test CA Root
```

```
Validity:
```

```
Not Before: Feb  3 07:45:42 2000 GMT  
Not After : Mar  5 07:45:42 2000 GMT
```

```
Key and certificate are compatible.
```

```
Successfully installed certificate.
```

```
#
```



Enabling Tarantella Security

```
# ./tarantella security on
Tarantella server stopped.
Starting Tarantella 1.41.901 from /opt/tarantella/bin/i3sc0325...
....OK
Checking whether to use secure connections...
Starting Tarantella Security Daemon from /opt/tarantella/bin/i3sc0325...
Secure Daemon exec: listening on 5307 forwarding to 3144

...OK
Tarantella Security Pack now enabled.
# █
```



Configuring the Connection Type

Tarantella Control Center on devnull.uss.sco.com:80

Organization

* Attributes for John Smith

Object Name: John Smith

Label: John Smith

Each line specifies a connection type, based on the Tarantella server's and client device's DNS names or IP addresses (including wildcards), in the form 'server:client: type' (a colon separated list). Type can be 'deny' (deny access), 'std' (standard security) or 'ssl' (SSL security). Example: '*:192.168.5.*:ssl' gives SSL connections for those client IP addresses to any Tarantella server. The first matching entry is used. If no match is found, the parent object's Connection Type attribute is considered.

Connection Type: *:SSL

Keymap File: (Automatic)

Pin Apply Reset

Loading...

Control Center Assistant

Applet started Internet



Free Certificate Warning



Tarantella SSL Login Screen



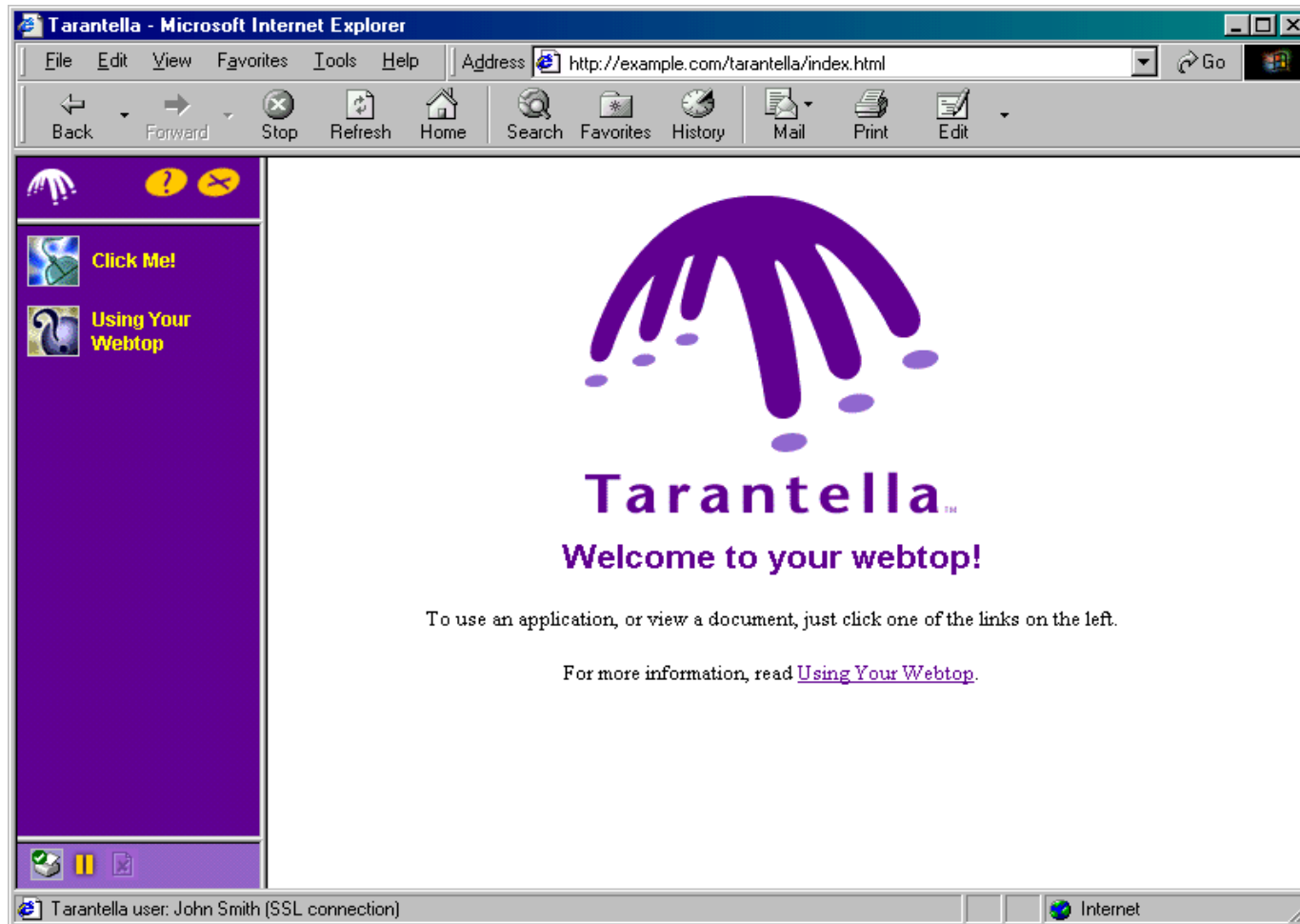
A Non-SSL Tarantella Login



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An SSL Tarantella Login



Tarantella Load Balancing

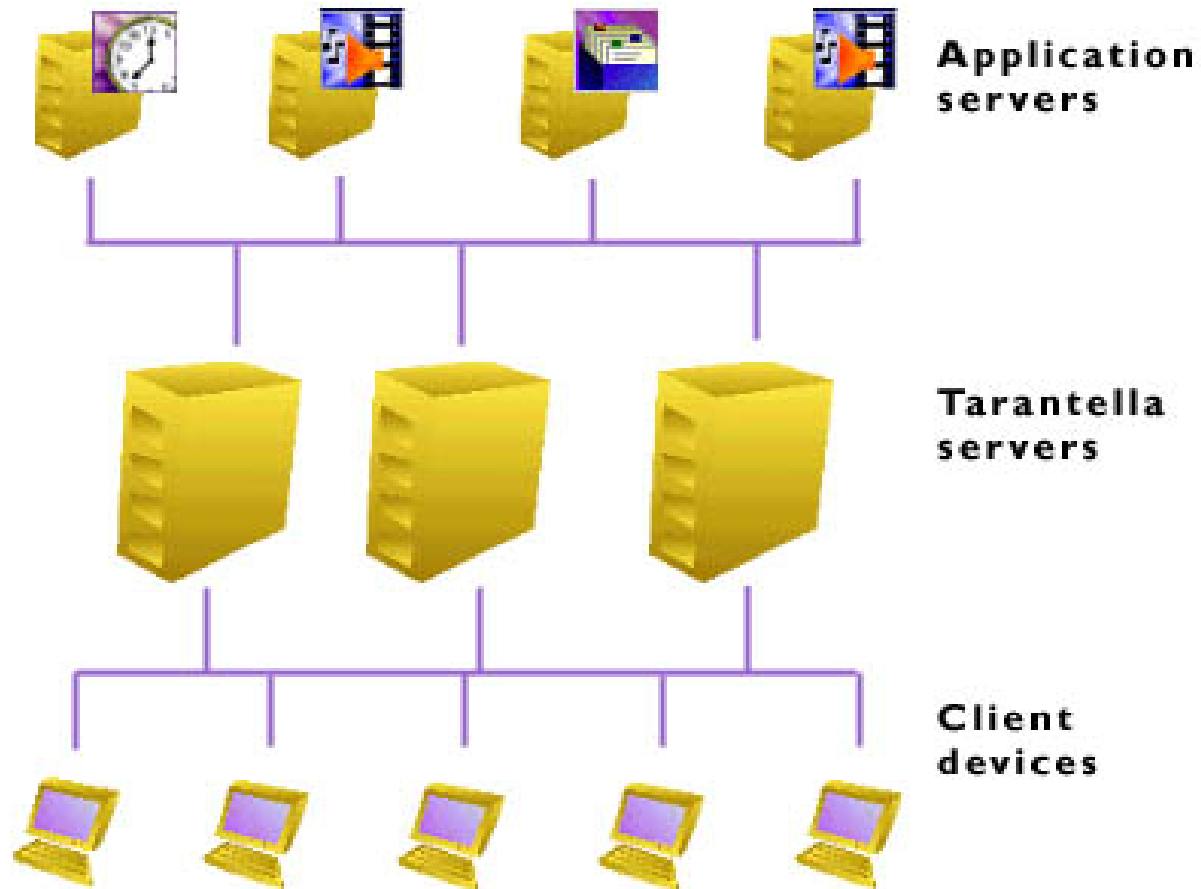
- Understanding Tarantella Load Balancing
- Understanding Tarantella Arrays
- Application Server Farms
- Understanding the Load Balancing Table



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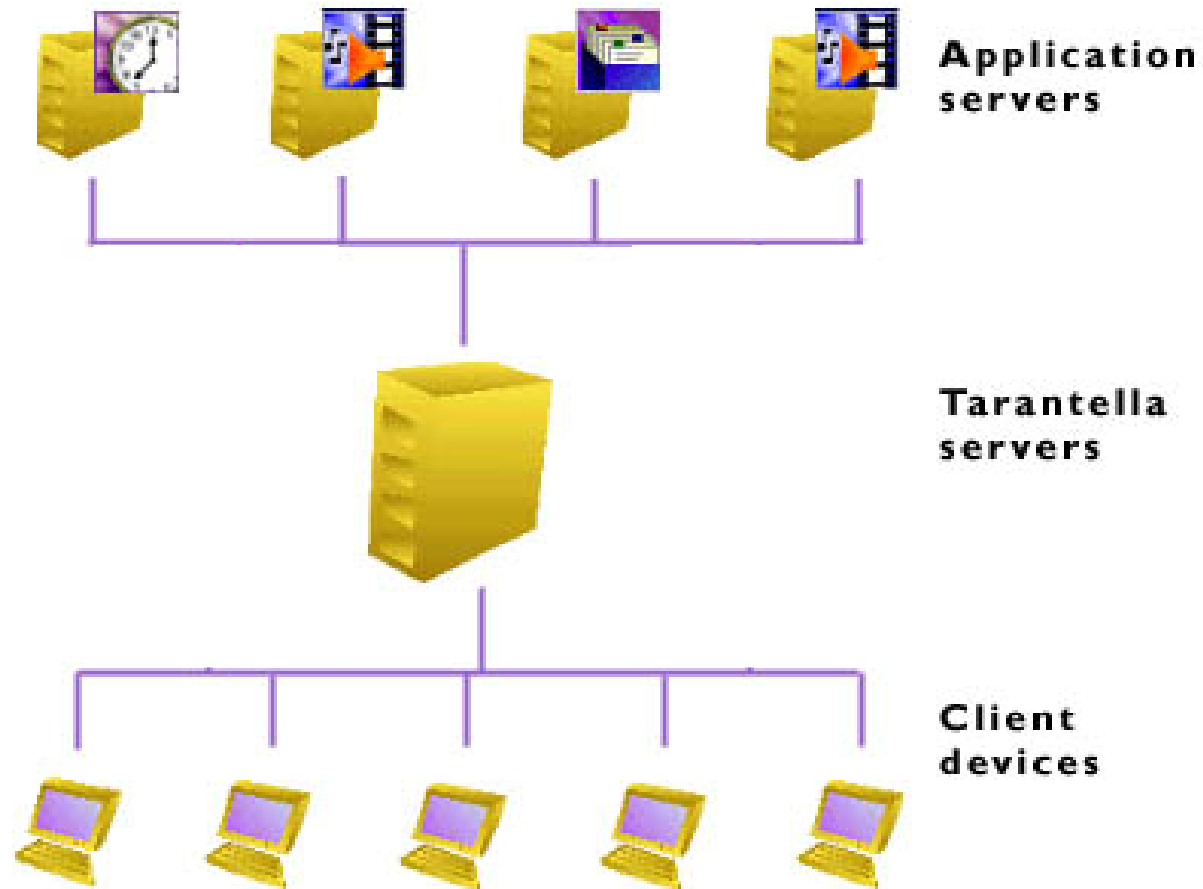
Tarantella Enterprise II



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Tarantella Express



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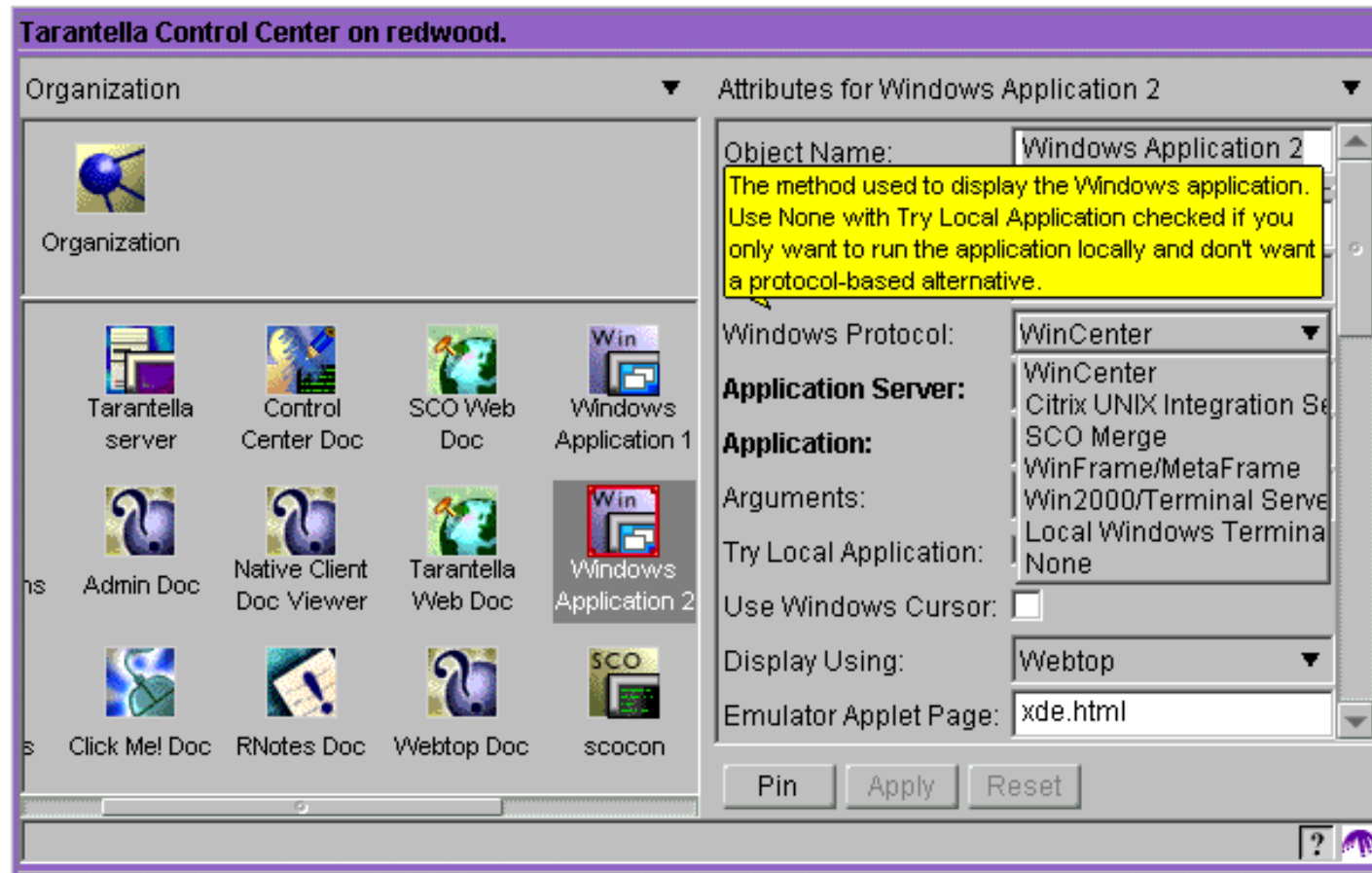


Windows Connectivity Pack

- Installing the Windows Connectivity Pack
- Installing Windows Terminal Server
- Basic Administration
- Connecting to Windows Terminal Server

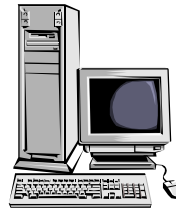


Selecting a Windows Protocol



The "None" Protocol

Second Tier



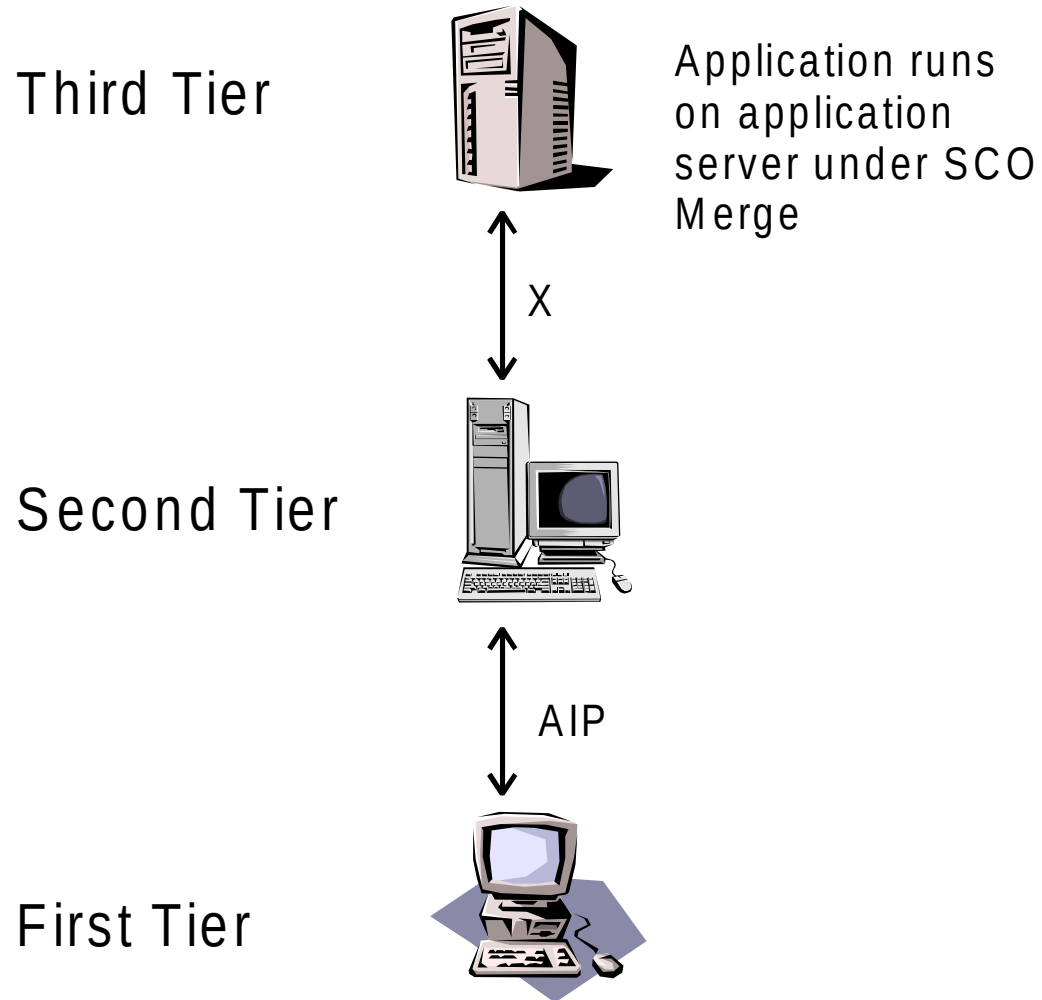
First Tier



Application runs
locally on client

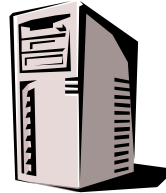


The "Merge" Protocol



The "WinFrame / MetaFrame" Protocol

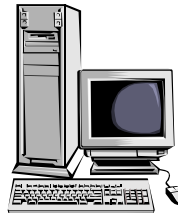
Third Tier



Application runs on
application server
under Citrix
WinFrame or Citrix
MetaFrame



Second Tier



ICA Viewer (an X
application) runs
on the Tarantella
server



First Tier



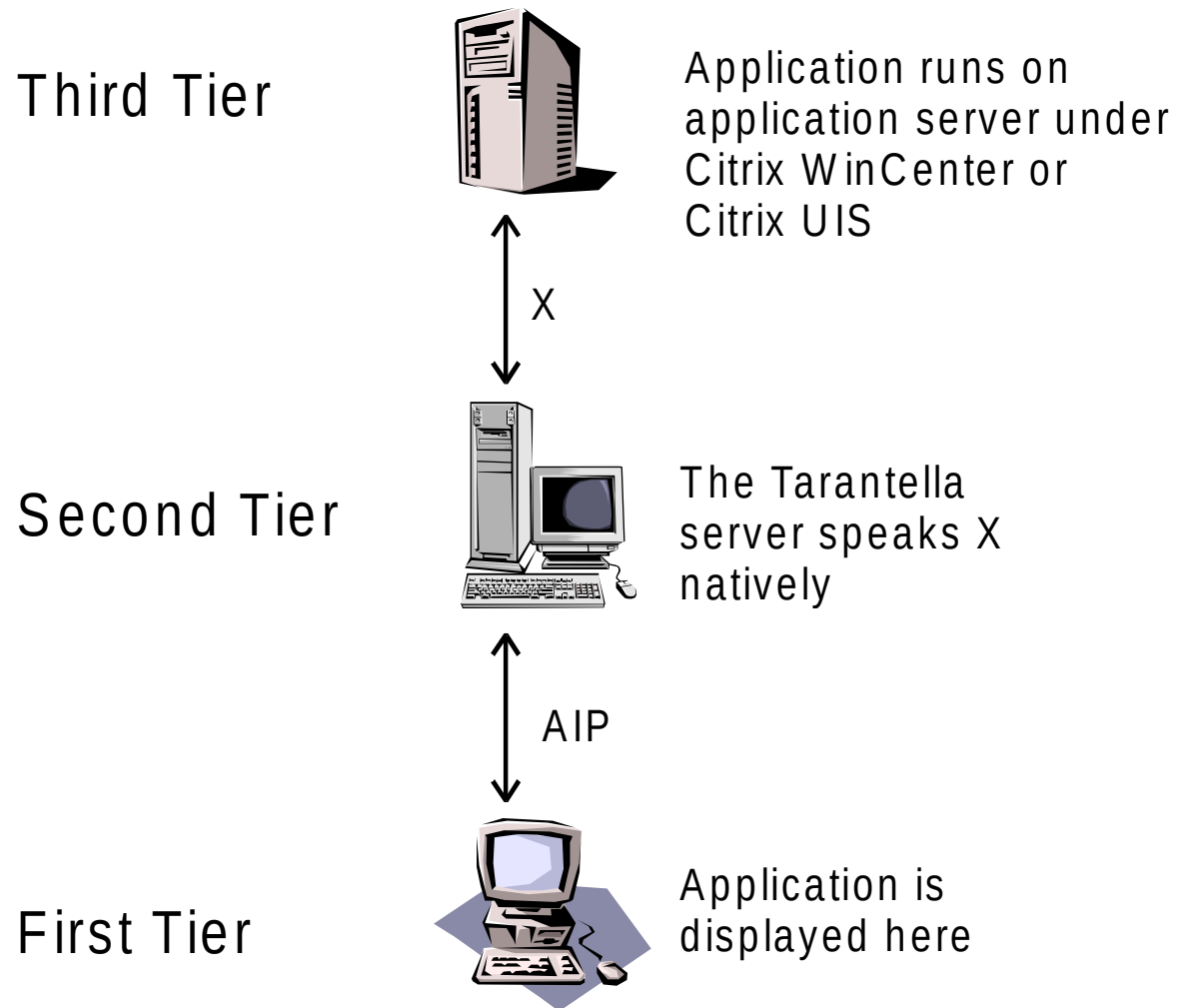
Application is
displayed here



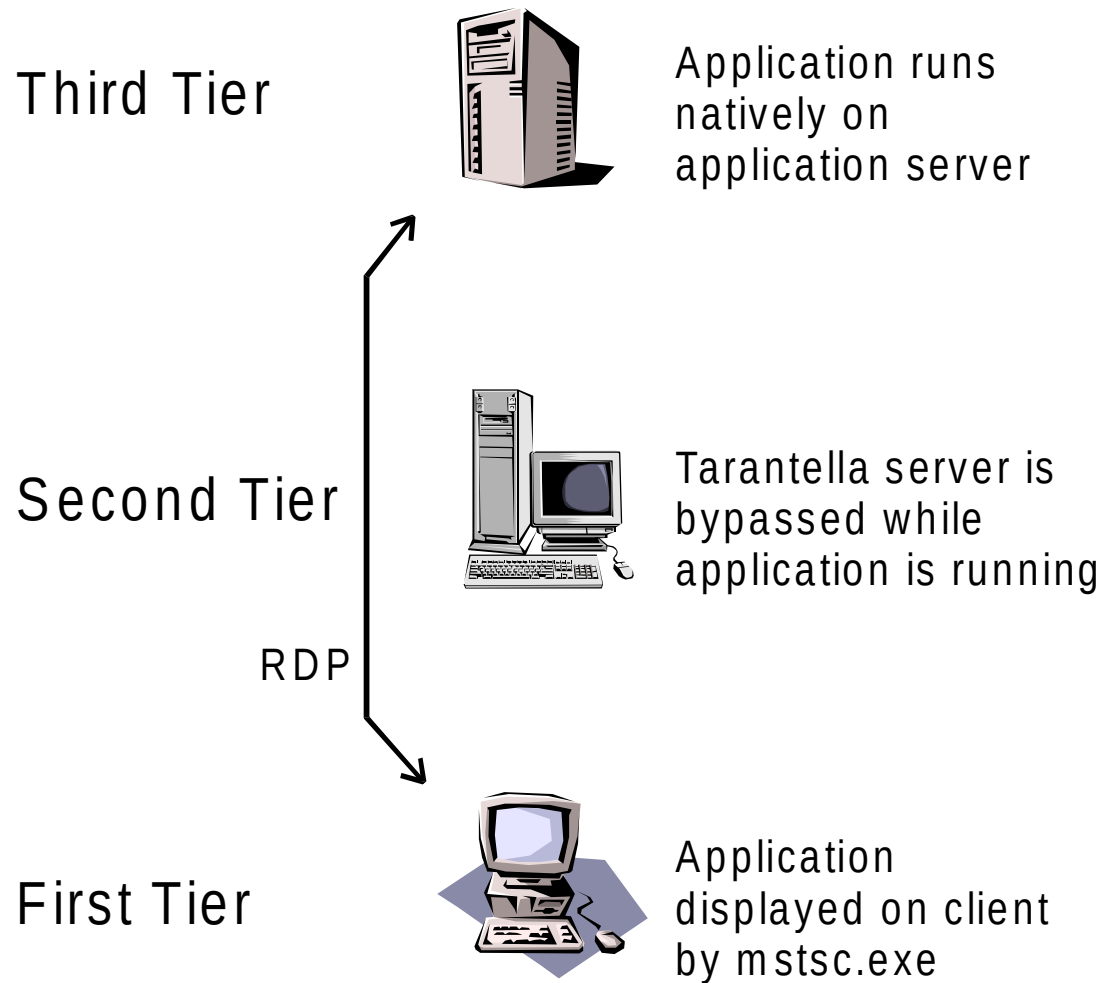
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The “WinCenter” & “UIS” Protocols



The "Local Windows Terminal Server" Protocol



The "Win2000 / Terminal Server" Protocol

