

# Collaboration Services in Leopard Server

James Partridge (NSMS, OUCS)



Wiki Server



iCal Server



iChat Server



# Wiki server

-  WYSIWYG editing (no ugly markup)
-  Themes & customisation
-  Instant wikis & blogs for groups and users



# iCal Server



Group calendars



Integration into other directory services



Standards compliant








Web & client



Delegation



# iChat Server












-  Private IM
-  XMPP-compliant (Jabber protocol)
-  Federation
-  Persistent chat rooms
-  Store and Forward


# Server Setup

## Server Configuration

How do you want to configure your server?

- Standard  
A simplified configuration ideal for standalone servers.
- Workgroup  
An easy to use setup ideal for departmental servers in an existing network.
- Advanced  
A flexible configuration ideal for advanced deployments.

 File Sharing	 Calendar	 Instant Messaging
 Mail	 Web	 Remote Access
 Podcasting	 Management	 Directory Services
 Clustering	 Networking	 System Imaging

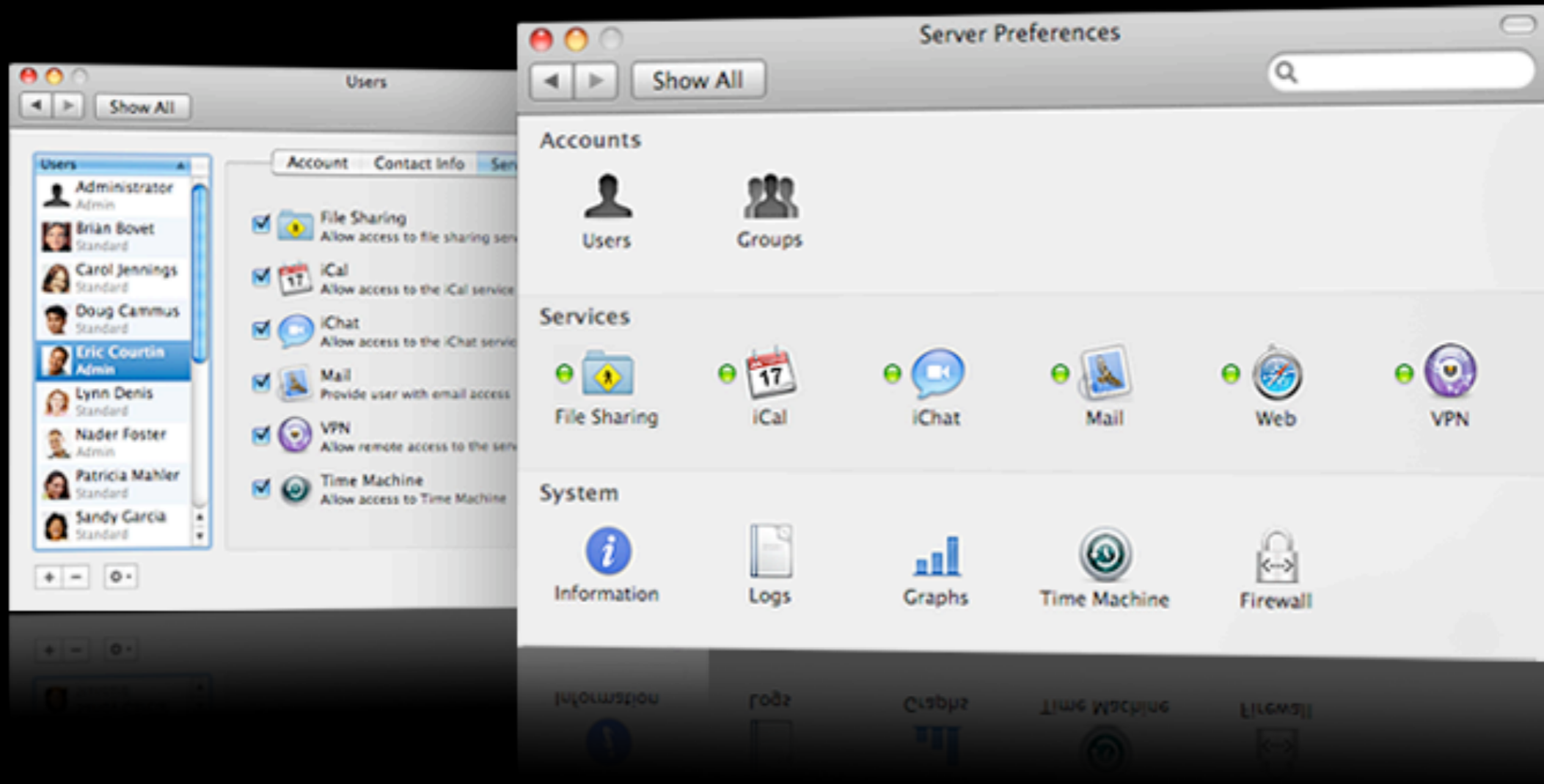
 [Go Back](#) [Continue](#)

- Standard
  - File, Mail, Backup, Web, IM, VPN
- Workgroup
  - File, Backup, Calendar, Web, IM
- Advanced
  - File, Mail, Backup, Calendar, Web, IM, VPN, Podcasting, Clustering, Management, Networking, DS, Imaging

- Standard
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# Workgroup



Bind to another directory service

# Advanced Server Setup

# Sequence of events

1. Create / Import certificate/s
2. Configure Web Services
3. Enable appropriate services
4. Create users and groups
5. Configure access restrictions

Server Admin:aspic.oucs.ox.ac.uk:Server

SERVERS

- Available Servers
- aspic.oucs.ox.ac.uk
  - AFP
  - Firewall
  - iCal
  - iChat
  - Open Directory
  - Web

Overview Logs Graphs File Sharing Server Updates Certificates Settings

Common Name	Valid From	Expires On	Authority
aspic.oucs.ox.ac.uk	11/07/2008	31/07/2009	Self Signed
Default	10/07/2008	10/07/2009	Self Signed

+ - ⚙

To edit this certificate, click the Edit button. [Edit](#)

Common Name:

Organization:

Organization Unit:

City (Locality):

State/Province:  Country Code:

Valid From:  to:

Private Key Size:

Private Key Passphrase:

The passphrase, if provided, is used to wrap the exported private key.

Certificate Authority: Self Signed

+ ⚙ ↻ [Revert](#) [Save](#)

# 2. Configure Web Services

Server Admin:aspic.oucs.ox.ac.uk:Web

Overview Logs Graphs Sites Settings

Enabled	Domain Name	Address	Port
<input checked="" type="checkbox"/>	aspic.oucs.ox.ac.uk	163.1.9.56	443

+ - [icon]

General Options Realms Logging Security Aliases Proxy Web Services

Domain Name:

Host Description:

IP Address:  [dropdown]

Port:

Web Folder:

## Basic Site configuration (Server Admin)

Server Admin:aspic.oucs.ox.ac.uk:Web

Overview Logs Graphs Sites Settings

General MIME Types Proxy Modules **Web Services**


Web Services include wikis, blogs, web calendars, and web based mailing list archives for groups. These services are independently enabled for each web site you host. To enable these services on a web site, click the Sites button above.

The settings below are common to Web Services that are hosted on any site.

Data Store:  Choose...

Maximum attachment size:  MB

Default Wiki and Blog Theme:



The thumbnail shows a page titled "Test Group" with a header and a main content area containing a heading "Test Group" and a paragraph of text.

## Basic Site configuration (Server Admin)

# 3. Enable Services



Server Admin: aspic.oucs.ox.ac.uk:Web

Overview Logs Graphs Sites Settings

Enabled	Domain Name	Address	Port
<input checked="" type="checkbox"/>	aspic.oucs.ox.ac.uk	163.1.9.56	443

SERVERS

- Available Servers
  - xserve-2.oucs.ox.ac.uk
  - spalpeen.oucs.ox.ac.uk
  - brat.oucs.ox.ac.uk
  - pcp.oucs.ox.ac.uk
  - podcaster2.oucs.ox.ac.uk
    - AFP
    - Firewall
    - Mail
    - NFS
    - Open Directory
    - Podcast Producer
    - QuickTime Streaming
    - Web
    - Xgrid
  - paracelsus.pharm.ox.ac.uk
  - abigail.medonc.ox.ac.uk
  - aaron1.medonc.ox.ac.uk
  - bombastus.nsms.ox.ac.uk
  - paracelsus2.pharm.ox.ac.uk
  - macmini4.oucs.ox.ac.uk
    - AFP
    - Firewall
    - iCal
    - iChat
    - Open Directory
    - Web

GROUPS

- OUCS Servers
  - xserve-2.oucs.ox.ac.uk
  - spalpeen.oucs.ox.ac.uk
  - brat.oucs.ox.ac.uk

General Options Realms Logging Security Aliases Proxy **Web Services**

Services for Users

- Webmail  
Client passwords will be sent in clear (from browser to host) when this option is used unless SSL is enabled.
- Blog

Services for Groups

- Wiki and blog
  - Web calendar
  - Mailing list web archive

Allow the following to create wikis on this site:

Users / Group	Moderator

+ - If empty, all users can create wikis.

+. . Stop Web Revert Save

- SERVERS
  - Available Servers
    - xserve-2.oucs.ox.ac.uk
    - spalpeen.oucs.ox.ac.uk
    - brat.oucs.ox.ac.uk
    - pcp.oucs.ox.ac.uk
    - podcaster2.oucs.ox.ac.uk
      - AFP
      - Firewall
      - Mail
      - NFS
      - Open Directory
      - Podcast Producer
      - QuickTime Streaming
      - Web
      - Xgrid
    - paracelsus.pharm.ox.ac.uk
    - abigail.medonc.ox.ac.uk
    - aaron1.medonc.ox.ac.uk
    - bombastus.nsms.ox.ac.uk
    - paracelsus2.pharm.ox.ac.uk
    - macmini4.oucs.ox.ac.uk
      - AFP
      - Firewall
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+ . \* ↻ Stop Web

Revert Save

## Group Wikis and Blogs

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Group Wikis and Blogs are currently *disabled*. Use Server Preferences or Server Admin to enable this service.

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The Groups wiki, blog, calendar, and mailing list archive make it easy for teams to create and distribute information through their own shared websites.

Distribute files, publish podcasts, and share calendars right from your web browser, naturally, using formatting and commands you already know.

Publish your own blog, with drag-and-drop ease, using the built-in professional templates. Keep your colleagues up-to-date with projects, the files you're working on, and pictures or podcasts. Your searchable blog is the perfect place to store information for your team, or just for your own reference.

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## Group Wikis and Blogs

---

- [NSMS](#)
- 

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Mac OS X Server

https://aspic.oucs.ox.ac.uk/groups/


News OUCS OUCS WebSite IPT Everything Else Personal Amazon UK Work iCal Spalpeen St Clares

Mac OS X Server JAMF Software Server v...

Mac OS X Server groups users webmail



## Available Group Wikis

 NSMS

1 - 1 of 1

The Groups wiki, blog, calendar, and mailing list archive make it easy for teams to create and distribute information through their own shared websites. Distribute files, publish podcasts, and share calendars right from your web browser, naturally, using formatting and commands you already know.

Help

- Server *must* be Open Directory Master (even if bound to another DS)
- Web services must be set up before wiki & blog services
- Web services are set up for each web site
- Wiki & blog services must be set up before calendaring will work
- User blog is a personal blog using web services associated with server account

# Service ACL for iCal



Server Admin:aspic.oucs.ox.ac.uk:Server

Overview Logs Graphs File Sharing Server Updates Certificates Settings

General Network Date & Time Notifications Access Services

Services Administrators

For all services  
 For selected services below:

Service
AFP
Blog
FTP
<b>iCal</b>
iChat
Login Window
Mail
Podcast Producer
QuickTime Streaming
RADIUS
SMB
SSH
VPN
Xgrid

Allow all users and groups  
 Allow only users and groups below:

Name
<b>NSMS</b>

Service access is restricted

Revert Save

Server Admin: aspic.oucs.ox.ac.uk: Server

Overview Logs Graphs File Sharing Server Updates Certificates Settings

General Network Date & Time Notifications Access Services

Services Administrators

For all services  
 For selected services below:

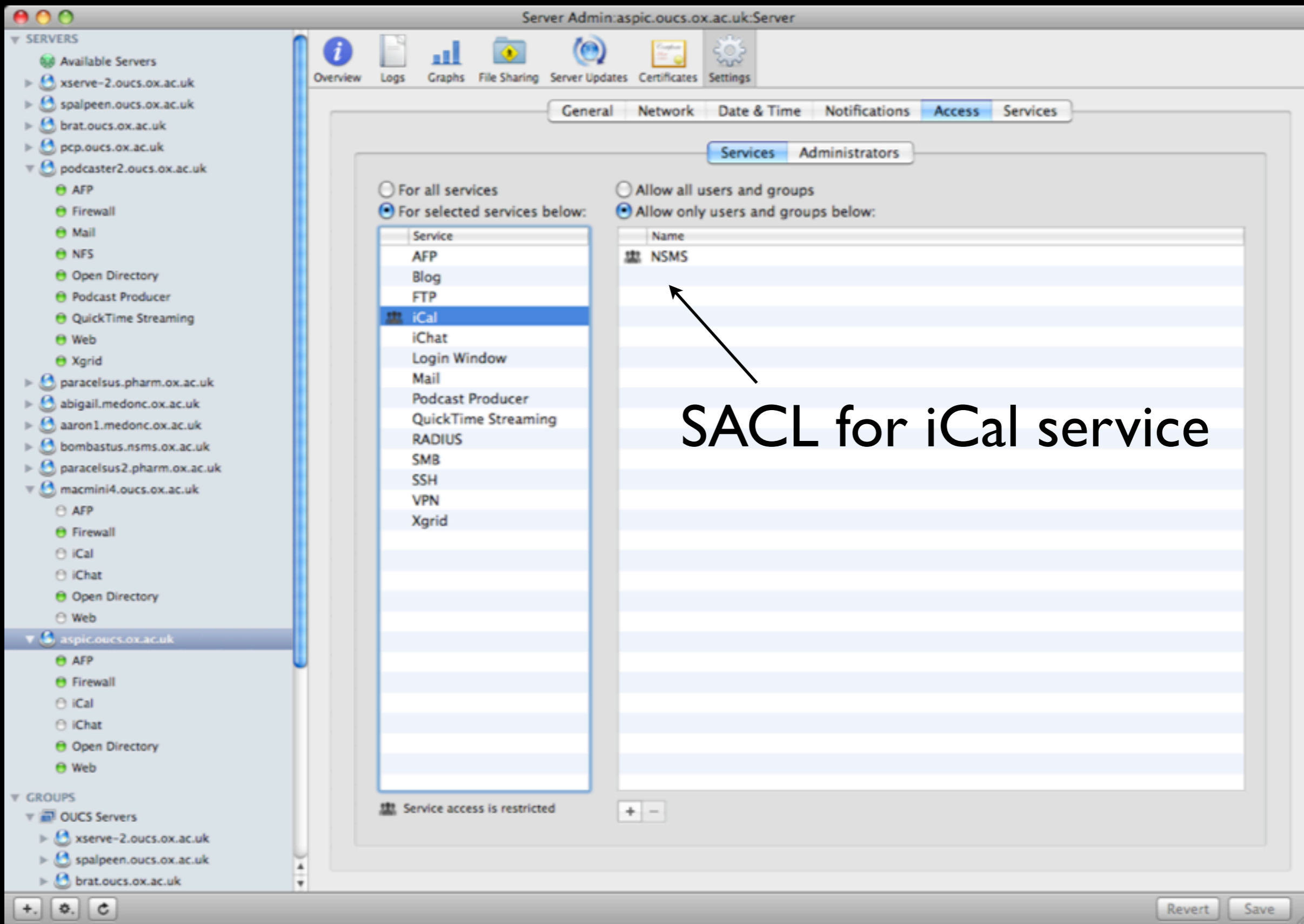
Service
AFP
Blog
FTP
<b>iCal</b>
iChat
Login Window
Mail
Podcast Producer
QuickTime Streaming
RADIUS
SMB
SSH
VPN
Xgrid

Allow all users and groups  
 Allow only users and groups below:

Name
<b>NSMS</b>

Service access is restricted

Revert Save



SACL for iCal service

Workgroup Manager: aspic.oucs.ox.ac.uk

Server Admin Accounts Preferences New User Delete Refresh New Window Search

Authenticated as diradmin to directory: /LDAPv3/127.0.0.1

Name Contains

User Name	UID
Directory Administrator	1000
ICT Forum	1025
James Partridge	1026
Adrian Parks	1027
David Janes	1028
Wylie Horn	1029

Basic Privileges **Advanced** Groups Home Mail Print Quota Info Windows Inspector

Enable calendaring aspic.oucs.ox.ac.uk

Allow simultaneous login on managed computers

Login Shell: /bin/bash

User Password Type: Open Directory

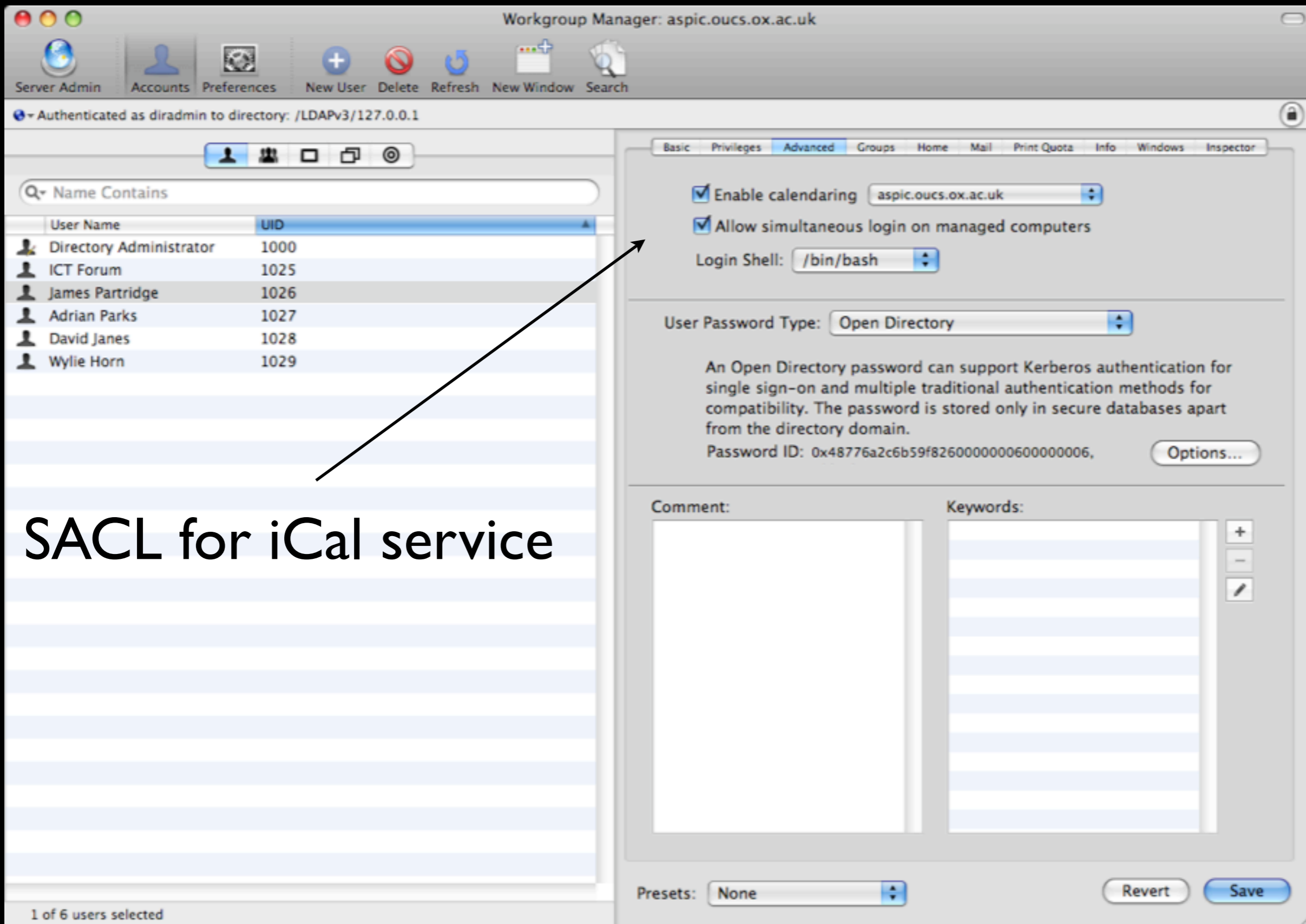
An Open Directory password can support Kerberos authentication for single sign-on and multiple traditional authentication methods for compatibility. The password is stored only in secure databases apart from the directory domain.

Password ID: 0x48776a2c6b59f82600000000600000006, Options...

Comment: Keywords:

Presets: None Revert Save

1 of 6 users selected

The screenshot shows the 'Workgroup Manager' application window. On the left, a list of users is displayed with columns for 'User Name' and 'UID'. The 'Advanced' tab is selected in the settings pane on the right. In this tab, the 'Enable calendaring' checkbox is checked and set to 'aspic.oucs.ox.ac.uk'. The 'Allow simultaneous login on managed computers' checkbox is also checked. The 'Login Shell' is set to '/bin/bash'. The 'User Password Type' is set to 'Open Directory'. Below this, there is explanatory text about Open Directory passwords and a 'Password ID'. At the bottom of the settings pane, there are 'Comment' and 'Keywords' text areas. The 'Presets' dropdown is set to 'None'. At the bottom right of the window are 'Revert' and 'Save' buttons. A black arrow points from the 'Enable calendaring' checkbox area towards the user list. A large text overlay 'SACL for iCal service' is positioned in the lower-left quadrant of the image.

SACL for iCal service

Server Admin:aspic.oucs.ox.ac.uk:iCal

Overview Logs Settings

SERVERS

- Available Servers
  - xserve-2.oucs.ox.ac.uk
  - spalpeen.oucs.ox.ac.uk
  - brat.oucs.ox.ac.uk
  - pcp.oucs.ox.ac.uk
  - podcaster2.oucs.ox.ac.uk
    - AFP
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  - abigail.medonc.ox.ac.uk
  - aaron1.medonc.ox.ac.uk
  - bombastus.nsms.ox.ac.uk
  - paracelsus2.pharm.ox.ac.uk
  - macmini4.oucs.ox.ac.uk
    - AFP
    - Firewall
    - iCal
    - iChat
    - Open Directory
    - Web
  - aspic.oucs.ox.ac.uk
    - AFP
    - Firewall
    - iCal**
    - iChat
    - Open Directory
    - Web
- GROUPS
  - OUCS Servers
    - xserve-2.oucs.ox.ac.uk
    - spalpeen.oucs.ox.ac.uk
    - brat.oucs.ox.ac.uk

Data Store: /Library/CalendarServer/Documents Choose...

Maximum Attachment Size: 1 MB

User Quota: 100 MB

Authentication: Any Method

Host Name: aspic.oucs.ox.ac.uk

HTTP Port Number: 8008

Enable Secure Sockets Layer (SSL)

SSL Port Number: 8443

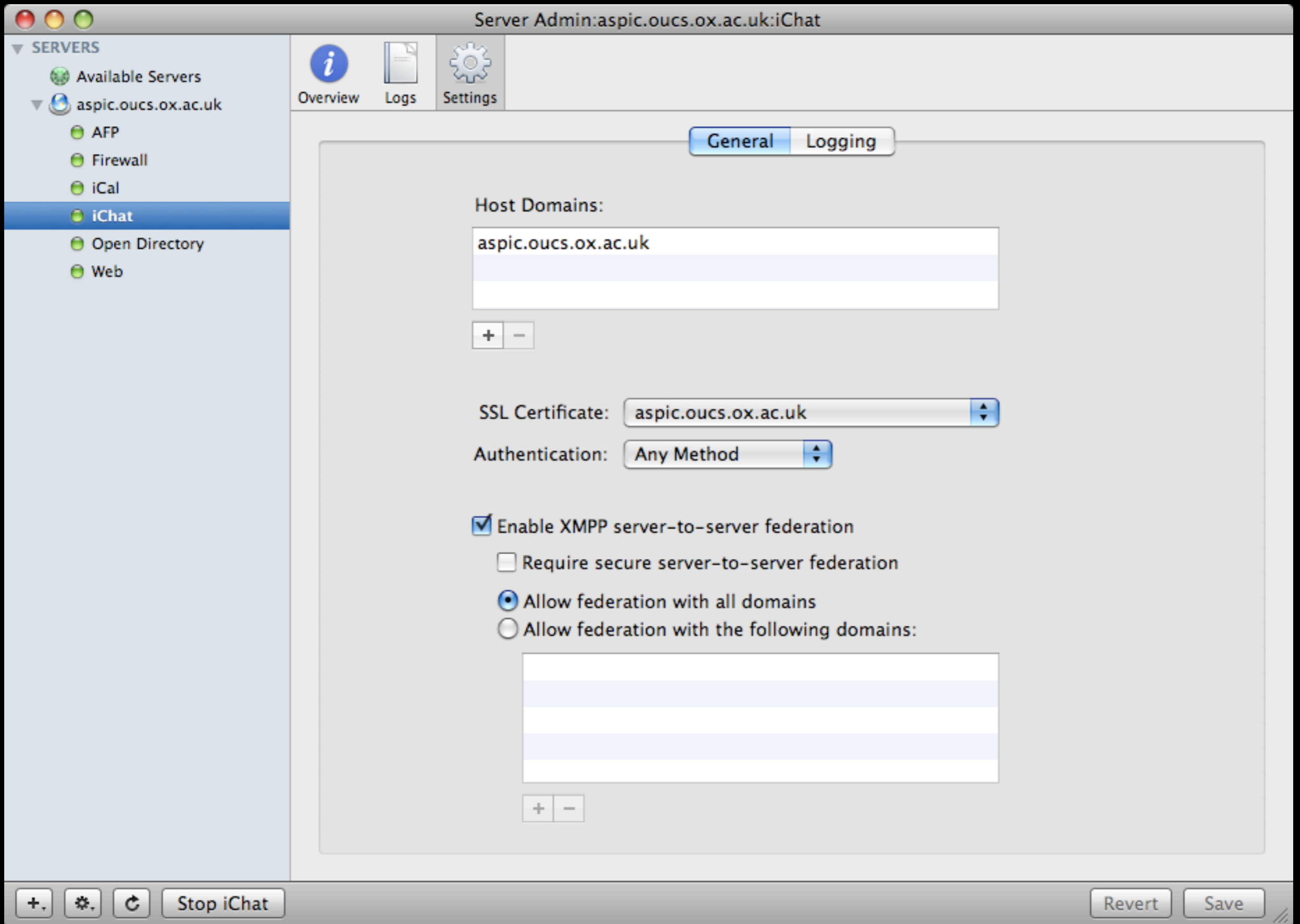
Certificate: aspic.oucs.ox.ac.uk

+ . Start iCal Revert Save

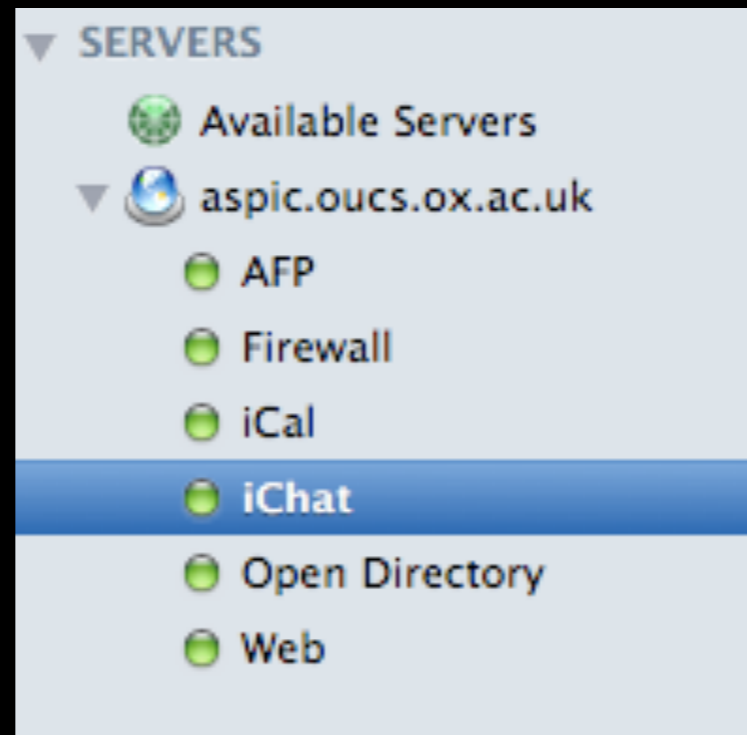
# Before Starting iCal

- Enable iCal service for user or group
- SACL is overall authorisation for using service
- User directory record enables use of service
- SACL takes precedence over directory record
- Authorisation must be enabled in *SACL and* directory record

iChat



# All Services Enabled





*Demo*

# References

- <http://www.apple.com/server/macosx/resources/>: Web Services, iCal Service, iChat Service, Web Technologies
- Extending Your Wiki Server
- Enabling Wiki Access for AD Users: <http://support.apple.com/kb/TS1619>