

# Thursby Software Product Description

## ADmitMac® v6.0



Macintosh Client for Microsoft Active Directory and NT Directory Services

### OVERVIEW

ADmitMac v6.0 allows users running Mac OS X 10.6 Snow Leopard or 10.7 Lion to participate in Microsoft networks taking advantage of all the directory services provided by Active Directory, NT, and Apple's Workgroup Manager. As a result, administrators can manage their domain users in a consistent way without regard for what kind of computer they use. ADmitMac lets users log into a Macintosh with their domain credentials and then have access to files in their home directories—wherever those directories might physically be.

ADmitMac is tailored for multi-user, multi-computer scenarios with administrator-defined network security. Kerberos is used to provide secure directory access, thus reducing the risk of unwanted disclosure, spoofing, and man-in-the-middle attacks. ADmitMac works with domains configured using Microsoft's Highly Secure (HISEC) security templates, automatically configures the Macintosh to use Kerberos, obtains the necessary security keys from the domain and performs mutual authentication requiring the server to prove its identity. ADmitMac also works with older NT directory services. All communication with NT domain controllers is performed using SMB/CIFS protocols. ADmitMac will cache successful user login information for later use. This allows notebook or mobile users to continue using their domain account to log in when their Macintosh is not connected to the domain.

ADmitMac includes full support for Microsoft's Distributed File System (DFS) allowing shared folders to reside on multiple servers for load balancing and data redundancy. ADmitMac supports Kerberos Single Sign-On (SSO) and adds identity and access management (IAM) for Macs on Active Directory networks from either Windows Group Policy Objects (GPO) or Apple's Workgroup Manager (WGM). With Group Policy and ADmitMac's ADM plugins, Windows administrators can manage Macintosh operating system components and applications in Active Directory using the Group Policy Management console. ADmitMac's Workgroup Manager plug-in allows administrators to implement Apple's Mac OS X desktop management (MCX) settings on the Active Directory domain while AD Commander allows administrators to manage Active Directory users and groups from a Macintosh.

### BASIC ADmitMac FEATURES

- Administrators can easily manage Macintosh computers in their Microsoft Windows domain without special training.
- Installs on the Macintosh with no Active Directory schema changes required.
- Provides secure access using Kerberos.
- Provides bidirectional file and printer sharing.
- Supports Windows login security restrictions.
- Allows users to easily change passwords.
- Support for Distributed File Sharing (DFS).
- Supports NTFS file format - does not create "dot-underscore" files.
- Supports Windows ACLs (Access Control Lists).
- Supports long share names compatible with Windows 2003 and 2008 Server.
- Preserves users' custom desktop and documents no matter which computer they log into.
- Offers complete interoperability with Services for Macintosh.
- Works with older NT directory services.
- Users can mount shared folders to which they are allowed access via the ADmitMac Browser.

### DOMAIN SERVICE REQUIREMENTS

- Microsoft Server 2003 or 2008 with Active Directory
- Microsoft Windows 2000 with Active Directory
- Microsoft NT Server 4.0 Service Pack 6



## ADVANCED FEATURES

- ✦ Allows for user login with home directories located on the Macintosh client's local hard disk.
- ✦ Automatically configures Macintosh for use with Kerberos. Kerberos configuration files are generated automatically.
- ✦ Fully signed and sealed (encrypted) LDAP connections prevent disclosure of user's personal information and prevent man-in-the-middle attacks.
- ✦ Support for bidirectional SMB-signed connections, NTLM SSP, and NTLMv2.
- ✦ Expired and reset passwords are handled correctly when users log in to the Macintosh desktop.
- ✦ Windows administrators can manage Mac operating system components and applications in Active Directory using Group Policy.
- ✦ Conforms with Microsoft SMB/CIFS standards, including use of TCP port 445, NetBIOS-less communication and to the following RFCs:
 

1001,1002	Protocol standard for a NetBIOS service on a TCP/UDP transport
1510	The Kerberos Network Authentication Service (V5)
1777	Lightweight Directory Access Protocol (LDAP)
2743	Generic Security Service Application Program Interface Version 2
1964	The Kerberos Version 5 GSS-API Mechanism
2222	Simple Authentication and Security Layer
3244	Microsoft Windows 2000 Kerberos Change Password and Set Password Protocols
- ✦ Caches user credentials for mobile user access when not connected to the network.
- ✦ Supports browsing for published shares.
- ✦ Print client can access shared printers. Printers may be configured by browsing the list of printers published in a domain, or entered manually.
- ✦ Kerberos credentials are set up automatically when a user logs in. No changes to `/etc/authorization` are required.
- ✦ Support for cross-realm trusts with MIT Kerberos.
- ✦ Support for multiple domains within a forest.
- ✦ Administrators can choose domain search paths for users, groups, published printers and shares to limit searches to specific organizational units.
- ✦ Administrators can choose to give local administrative privileges to domain members based on their username or domain group membership.
- ✦ Administrators can give administrative privileges to the user specified as the Macintosh's manager in the domain computer records.
- ✦ Supports Mac OS X Server service principal names.
- ✦ Home directories may be located in a path where the user does not have access to the parent folders.
- ✦ Administrators can utilize Apple's Workgroup Manager MCX settings. MCX settings are now replicated to each Macintosh so they are always available even when the Macintosh is disconnected from the network.
- ✦ ADmitMac Deployment utility creates custom ADmitMac install packages for large multi-computer installations. Custom install packages support automatic installation mode where Macintosh clients are fully configured and joined to a domain without requiring human interaction.
- ✦ Dynamic DNS registration support: the Mac will register its IP addresses with DNS using its computer account name.
- ✦ Supports extended attributes.
- ✦ AD Commander tool allows administrators to edit Active Directory users and groups as if you were using AD Administrator Tools.

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