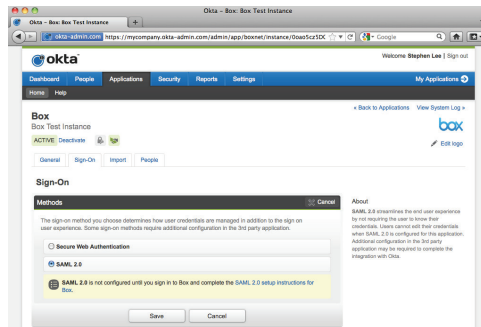
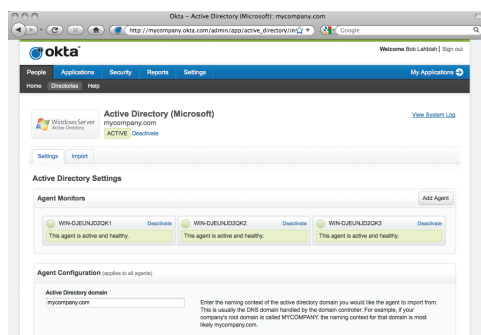


Purpose-Built Active Directory Integration for Box

Single sign-on and automated user management that is simple, scalable, and reliable



Box SSO and User Management



Active Directory Homepage

Box for Your Organization

Box is one of the most popular on-demand content management providers on the market. In addition to providing a collaboration platform for managing and sharing content, Box can also integrate with and access content in other leading business applications like Google Apps, Salesforce.com, NetSuite, and Microsoft SharePoint for your entire organization. With this complexity comes the need to ensure users have seamless access via single sign-on (SSO) and that their Box accounts are created, updated, and deactivated on an integrated cycle with the rest of the systems in IT.

Active Directory & Box

For many Box customers, Microsoft Active Directory (AD) is a core piece of the identity management infrastructure. With AD serving as the enterprise directory, user authentication and application access policies around on-premises applications are often tied to users and security groups in AD. Similarly, the ideal Box deployment should be able to tightly integrate with AD. Box accounts should be created based on AD user profiles and security groups. And users should be able to leverage their AD credentials when accessing Box.

Without native AD integration, administrators must create Box accounts manually for each user by copying AD user profile information to Box. Any subsequent user profile changes, such as first name or email address, also require manual updates. When users leave the organization, their AD account might be disabled while their Box account is still active—unless administrators manually deactivate the account in a timely manner. These manual processes are inefficient and extremely error-prone; and the hassle extends to users, who must deal with yet another set of credentials stored in Box. Users struggle to manage their passwords and administrators end up spending countless cycles managing password resets.

As a result, user productivity is affected—and the risk of exposing inappropriate access increases.

Okta Cloud Connect for Box

Okta is a 100-percent on-demand, turnkey solution that automates user management and SSO with cloud and web applications. Okta Cloud Connect for Box offers a complete, robust, and easy-to-use AD integration with Box that provides a seamless authentication experience for Box users and automated provisioning and deprovisioning of Box accounts based on AD users and security groups.

OKTA DATASHEET: OKTA CLOUD CONNECT FOR BOX

- Automated provisioning in Box is based on AD user profile and security groups.
- Users can log in to Box with their AD credentials.
- Organizations can use Integrated Windows Authentication (IWA) for true SSO with Windows domain.
- Automated Box account de-provisioning is triggered directly from AD.

Easy to install & Configure

Okta Cloud Connect for Box is a purpose-built solution that seamlessly integrates Box with Active Directory. With the click of a button, you can download the Okta Active Directory agent and install it on any Windows Server that has access to a Domain Controller. No network or firewall configuration is required.

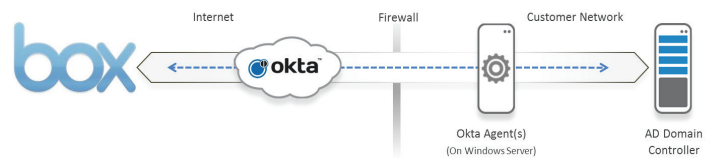
Enabling automated user management for Box is equally simple. Through the Box User Management configuration in Okta, administrators can complete integration in minutes to enable account provisioning and de-provisioning between AD and your Box instance.

Delegated Authentication & Desktop SSO

With the AD integration completed, Box customers can contact their customer support to quickly enable delegated authentication with Okta through Security Assertion Markup Language (SAML). Users can now log in to Box with their AD credentials. With SAML, Box delegates user authentication to Okta where user credentials are entered and verified via the Okta Active Directory agent with the AD server. No password is stored in Box or Okta—the AD server remains the single source for authentication. There's no need for users to remember another password or reset their Box password, because their AD password is their Box password. Box supports SAML for its web interface as well as its desktop synchronization client and mobile applications. For users who have already authenticated to the Windows domain with their Windows network login, Okta's support for IWA provides a true single sign-on experience to your Box account.

Automated User Management

Okta Cloud Connect for Box integrates Box with Active Directory and your existing user lifecycle management around AD. Box accounts are automatically provisioned based on AD users and security group membership. As changes are made in Active Directory, Okta ensures that synchronization between AD and Box occurs automatically at configurable intervals so access privileges are always up to date. With Box users authenticating directly against AD, when users are disabled in AD, their access into Box is immediately revoked. Further, Okta will suspend the Box account to prevent access from any other clients or devices—ensuring proper account deactivation in Box.



Integrating AD with Box

Secure Integration

Security is a key component of the Okta Active Directory agent. Communication between the agent and Okta Cloud Connect for Box is protected with SSL encryption. Man-in-the-middle attacks are prevented using server-side SSL certificates. The agent authenticates to the service by first using organization-specific credentials, then exchanging cryptographic keys used for all future communication. Further, any agent's access can be revoked at any time from the service by deactivating its security token.

About Okta

Okta is an enterprise grade identity management service, built from the ground up in the cloud and delivered with an unwavering focus on customer success. The Okta service provides directory services, single sign-on, strong authentication, provisioning, workflow, and built in reporting. Enterprises everywhere are using Okta to manage access across any application, person or device to increase security, make people more productive, and maintain compliance.

The hundreds of enterprises, thousands of cloud application vendors and millions of people using Okta today also form the foundation for the industry's fastest growing, vendor neutral Enterprise Identity Network.

The Okta team has built and deployed many of the world's leading on-demand and enterprise software solutions from companies including Salesforce.com, PeopleSoft, Microsoft, BMC, Arcsight, Sun, and HP. Okta is backed by premiere venture investors Andreessen Horowitz, Greylock Partners, Khosla Ventures and Sequoia Capital.

For more information, visit us at www.okta.com or follow us on www.okta.com/blog.