

# Safeguard Authentication Services Single Sign-on for SAP®

Increase the security, privacy and compliance of your SAP data

## Benefits

- Provides true Active Directory-based single sign-on for SAP running on Unix or Linux
- Eliminates the transmission of user passwords over the network
- Securely encrypts SAP data while it is transported over the network
- Provides an audit trail for SAP authentication activities with AD
- Simplifies deployment with no need for PKI or certificate infrastructure

For many organizations, SAP® applications and services are mission-critical. However, SAP applications often must meet strict standards demanded by regulatory compliance, internal controls and corporate best practices, including:

- Ensuring that only the right people have access to data
- Guaranteeing that those people can access SAP
- Securing that mission-critical information as it moves across the network

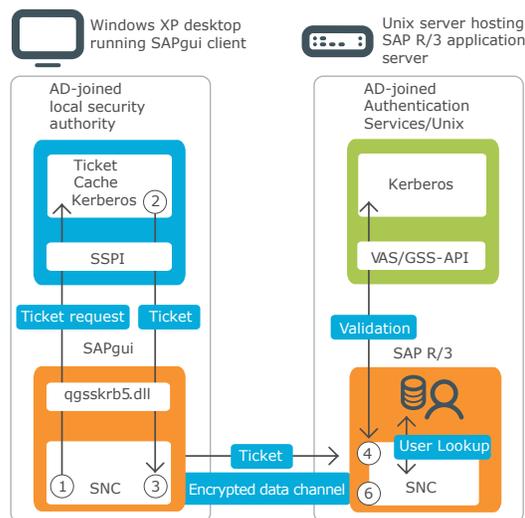
Single sign-on (SSO) for SAP can help organizations meet all these goals. Unfortunately, single sign-on has been difficult to implement, especially in today's increasingly complex multi-platform environments — until now.

One Identity Safeguard Authentication Services Single Sign-on for SAP by Quest delivers true single sign-on for SAP enterprise-wide. The solution enables users to transparently authenticate their SAP applications on Windows, Unix and Linux with the credentials acquired at network logon, providing a cost-effective, enterprise-proven and standards-based alternative to cumbersome and complex synchronization or meta-directory solutions.

Specifically, Microsoft® Active Directory® (AD) uses the industry standards Kerberos and LDAP to provide a compliant, secure and scalable infrastructure for authentication, authorization and access. Safeguard Authentication Services

## System Requirements

For a complete list of system requirements, visit:  
[www.oneidentity.com/products/safeguard-authentication-services](http://www.oneidentity.com/products/safeguard-authentication-services)



- 1 SAPgui requests a Kerberos Service Ticket via One Identity's qgsskrb5.dll which translates GSS API requests to SSPI.
- 2 A Windows KDC generated ticket is returned.
- 3 SAPgui client connects to the SAP R/3 application server passing the returned ticket.
- 4 SAP R/3 application server validates the ticket via the Authentication Services Unix GSS API libraries.
- 5 The Kerberos tickets UPN is mapped to SAP R/3 account.
- 6 An (optionally) encrypted data channel is established using information provided in the Kerberos ticket.

Safeguard Authentication Services Single Sign-on for SAP delivers secure, enterprise-wide single sign-on for SAP by allowing Unix or Linux systems to "join" the AD domain.

Single Sign-on for SAP extends those capabilities to users of SAP on Unix and Linux systems by allowing those systems to “join” the AD domain.

The resulting true single sign-on eliminates password management issues, ensuring a superior user experience, dramatically reducing administrative workload, and improving security. Moreover, Safeguard Authentication Services Single Sign-on for SAP can protect SAP data in transit using advanced encryption technologies, further enhancing security and compliance.

## Features

### **True single sign-on for SAP in heterogeneous environments—**

Safeguard Authentication Services Single Sign-on for SAP natively implements Kerberos and LDAP on Unix and Linux systems in the same way those standards are used in Windows. By creating a single “trusted realm” that includes Unix, Linux and Windows, the solution delivers true single sign-on for SAP, and it also provides an audit trail for SAP authentication activities.

### **Lower total cost of ownership (TCO)—**

Safeguard Authentication Services Single Sign-on for SAP extends the robust AD infrastructure you have already deployed to the rest of the enterprise, eliminating the need to purchase, deploy and support additional infrastructure, tools and technologies for non-Windows systems.

**Simplified identity management—**Since Unix and Windows accounts are integrated into a single identity store (Active Directory), Unix accounts can be provisioned and deprovisioned with the same tools and at the same time as Windows accounts, and other advanced identity administration capabilities, such as password management, audit and role management, can be centralized in AD.

**Robust, standards-based security—**The SAP Supply Network Collaboration (SNC) interface provides SAP clients and servers with a platform-independent security and authentication infrastructure that fully leverages native Windows and Unix security mechanisms. Windows-based SAP clients can exchange secure authentication tokens using Kerberos tickets with Unix-hosted SAP R/3 servers.

**Advanced data protection—**Safeguard Authentication Services Single Sign-on for SAP supports both DES and RC4 encryption to protect the privacy of data while it is “in flight” and eliminates the need to transmit user passwords over the network.

**SAP certification—**Together with Active Directory, Safeguard Authentication Services Single Sign-on for SAP is certified by SAP for the BC-SNC 4.0 interface. It is the only certified SAP solution that also provides complete integration of Unix identities with Active Directory, providing the additional benefit of enabling Unix and SAP administrators who must log on to the R/3 server to also use their AD username and password credentials or transparently authenticate with a single sign-on-enabled terminal client on a Windows desktop.

## About One Identity

One Identity by Quest, lets organizations implement an identity-centric security strategy, whether on-prem, in the cloud or in a hybrid environment. With our uniquely broad and integrated portfolio of identity management offerings including account management, identity governance and administration and privileged access management, organizations are empowered to reach their full potential where security is achieved by placing identities at the core of the program, enabling proper access across all user types, systems and data. Learn more at [OneIdentity.com](https://www.oneidentity.com)

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