CENTRIFY ZERO TRUST PRIVILEGE TECHNICAL BRIEF

Active Directory Integration for Samba

Centrify delivers a packaged and tested version of Samba that works seamlessly on systems that have been joined to Active Directory using Centrify Zero Trust Privilege.

> "We were impressed that within minutes we could get Zero Trust Privilege up and running and working seamlessly with Samba, something that was not possible with alternatives we considered."
>
> **- Christopher Smith, IS Manager, RadioFrame Networks**

Samba enables Windows users to access file shares on a UNIX or Linux server using native Windows SMB protocols. Samba can be configured to use Active Directory to authenticate Windows users. However, when a Windows user saves a file on a UNIX share, Samba must assign UNIX user and group IDs to the file. Windows users do not typically have UNIX profiles, so Samba will set and store arbitrary values for these attributes on each UNIX server. Because Samba does not have a way to centrally store UNIX identity information in Active Directory, users can have different attributes from one server to the next. In most enterprise situations, this is not a workable solution.

Centrify overcomes this shortcoming with a packaged and tested version of Samba that works seamlessly on UNIX and Linux systems that have been joined to Active Directory using Centrify Zero Trust Privilege or Centrify Zero Trust Privilege Express. Centrify provides this Centrify-enabled version of Samba free of charge to help you be more productive and to accelerate your deployment.

You can download the Centrify-enabled version of Samba along with Centrify Zero Trust Privilege Express, our free Active Directory-based solution for authentication and single sign-on to cross-platform systems, from our web site.

Features & Benefits of the Centrify-Enabled Samba

Centrify's Samba solution makes this Open Source tool enterprise-ready and provides the following additional key features to enable Active Directory users to securely and consistently access UNIX SMB file shares:

- Centrally controlled user identity mapping. The Centrify-enabled Samba module controls the mapping of Active Directory accounts to UNIX Zone profiles to ensure consistent file system access controls across all servers that are joined to the Active Directory domain with Centrify Zero Trust Privilege.
- Multi-domain single sign-on support. Users from one Active Directory domain can access Samba shares on servers in another trusted domain without being prompted for their credentials. This is the same behavior that users would expect when using an all-Windows environment.
- Active Directory group-based access controls. Some UNIX operating systems limit the number of groups that a user can belong to. For example, a Solaris user can not be a member of more than 32 groups. Centrify's solution overcomes this limitation and also supports nested groups, enabling Samba to leverage Active Directory groups for file access control regardless of the UNIX operating system's limitations.

Automated configuration. The Zero Trust Privilege for Samba solution includes scripts to automatically configure Samba to work with Centrify Zero Trust Privilege and Active Directory, and scripts to start the appropriate services each time the UNIX system boots. Centrify includes pre-compiled binary versions of the Centrify-enabled Samba package for each of the supported platforms

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About Centrify

Centrify is redefining the legacy approach to Privileged Access Management by delivering cloud-ready Zero Trust Privilege to secure modern enterprise use cases. Zero Trust Privilege mandates a “never trust, always verify, enforce least privilege” approach. Centrify Zero Trust Privilege helps customers grant least privilege access based on verifying who is requesting access, the context of the request, and the risk of the access environment.

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