

On-Premises App Gateway

Secure, remote access and single sign-on to internal web apps, without dedicated VPN

As organizations transition some of their key functions into the cloud, other applications remain hosted on servers on-premises. Concerns over security, application readiness, and return on investment are some of the reasons why CIOs want to keep some applications in-house. At the same time, end users want to access the applications they need, from any device and any location. Thus, IT must expand its security perimeter both directions — out to the cloud, and back into their data centers. Traditionally, IT has managed remote access with virtual private networks (VPNs). Now, Centrify offers an alternative to VPNs.

Traditional VPNs: Time-consuming and Not Always Secure

Organizations typically set up Virtual Private Network (VPN) infrastructure to allow trusted users to get fully encrypted, secure access to apps residing behind the firewall. IPSec VPNs require installation of hardware, client software and modification of firewall rules. Based at the network layer, IPSec VPN operates invisibly to the user and introduces no dependence on applications. Once a user has authenticated in with IPSec VPN, they can theoretically access any server on the entire network, limited by any policies already in place at the authentication, authorization, and accounting (AAA) server.

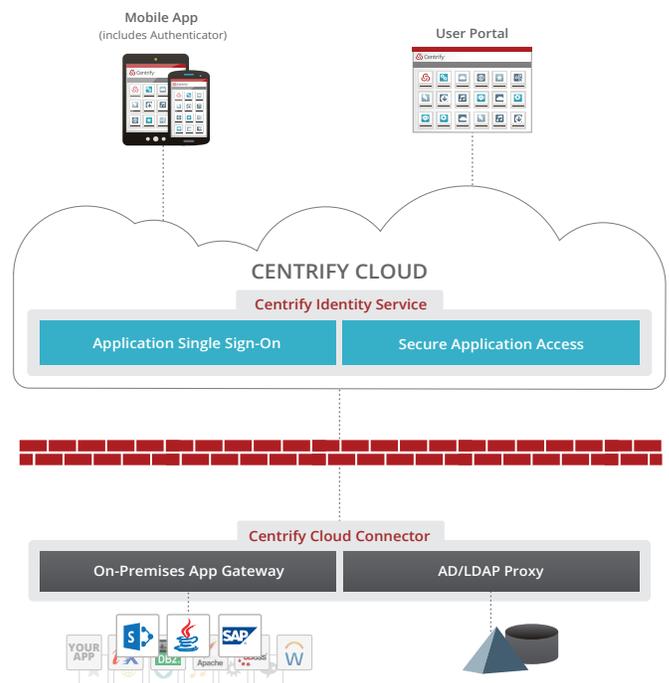
SSL VPNs require dedicated hardware, software, certificates, and endpoint clients, and offer more granular, browser-based login access to apps on the internal network. Single sign-on from an SSL VPN is possible, but requires further configuration.

Installing and maintaining any VPN solution requires time and effort. And, VPNs are not without security risk. One cannot assume that all traffic entering into the network over an encrypted tunnel is harmless. Any VPN solution requiring only username and password, and no multi-factor authentication and no user access policies, puts the network at risk.

Remote Single Sign-on Without VPNs

Centrify Identity Service enables cloud, mobile and on-premises app single sign-on (SSO) for users, and a simplified identity infrastructure for IT. The App+ edition of Identity Service adds a premium feature, App Gateway, which enables secure remote access and single sign-on to on-premises web apps — like SharePoint and SAP — without the complexity of installing and maintaining VPNs.

App Gateway is an easy to install and maintain alternative or addition to VPNs. Centrify connects on-premises apps to remote users via

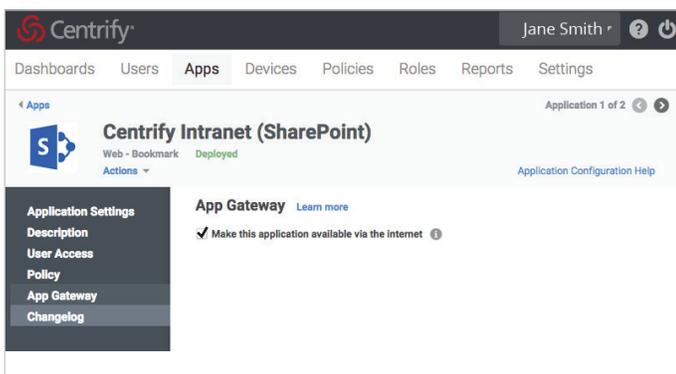


a simple Cloud Connector that takes five minutes to install on any windows server if Cloud Directory is used, or domain-joined server if Active Directory or LDAP is being used. The Cloud Connector makes a secure, SSL-encrypted outbound connection to the Centrify Cloud over port 443. Centrify verifies each user's identity by leveraging the existing identity store — Active Directory, LDAP, Cloud Directory, or any combination. Once authenticated through Centrify, a user can

connect to internal apps with a single click. For an additional layer of security, IT can implement multi-factor authentication (MFA), requiring the user to provide a second factor of authentication, such as a registered mobile device, email, or a phone call. A single Cloud Connector behind your firewall manages identities across all your apps, on-premises and in the cloud.

One-click Remote Access to On-premises Apps

Just as for cloud applications, users get one-click or one-tap access to internally hosted web apps like SAP, Microsoft SharePoint and Oracle databases apps from their desktops, laptops, macs, and mobile devices. IT can configure users' level of access to each app based on defined roles.



Easy Setup

Setting up an on-premises application for remote, internet-based access is easy, and follows nearly the same procedure as setting up a cloud application. In App Gateway, simply check the box, "Make this application available via the internet," then the internal application is given a URL — either Centrify-generated, or custom — so that users can access the app from outside the network. A custom URL (such as sharepoint.mycompany.com) requires an SSL certificate and a few updates on the DNS server. It doesn't get much simpler than that.

Simple and Secure

Instead of permitting user access to the entire IP network as is common with IPSec VPNs, Centrify users get secure single sign-on access to only those apps that have been provisioned by IT. Per-app access helps prevent both inadvertent and intentional identity-related security breaches. IT retains control over application access, and can manage policy from a single management interface.

Conclusion

On-Premises App Gateway functionality is available as a premium feature in the App+ edition of Centrify Identity Service. It provides easy and secure access to on-site apps without requiring configuration of a VPN client, a VPN concentrator, or modified firewall policies. With Centrify, IT can give users remote access only to the apps they need, without changing a single line of code. IT can manage user identity and access to on-premises and cloud apps, and secure users' mobile devices, all from a single console.

Next Steps

Register for a trial subscription of Centrify Identity Service App+ edition today to see how it can benefit your organization: <http://www.centrify.com/free-trial/identity-service-form-appplus/>.

How to Get More Information

For more information on the Centrify On-Premises App Gateway, visit: <http://www.centrify.com/products/identity-service/sso/>



Centrify strengthens enterprise security by managing and securing user identities from cyber threats. As organizations expand IT resources and teams beyond their premises, identity is becoming the new security perimeter. With our platform of integrated software and cloud-based services, Centrify uniquely **secures and unifies identity** for both privileged and end users across today's hybrid IT world of cloud, mobile and data center. The result is stronger security and compliance, improved business agility and enhanced user productivity through **single sign-on**. Over 5000 customers, including half of the Fortune 50 and over 80 federal agencies, leverage Centrify to secure their identity management. Learn more at www.centrify.com.

BRF001494EN-06082015

SANTA CLARA, CALIFORNIA	+1 (669) 444-5200
EMEA	+44 (0) 1344 317950
ASIA PACIFIC	+61 1300 795 789
BRAZIL	+55 11-3958 4876
LATIN AMERICA	+1 305 900 5354
EMAIL	sales@centrify.com
WEB	www.centrify.com

WWW.CENTRIFY.COM +1 (669) 444-5200