

Okta and NetScaler for Complete Access Management for Hybrid IT



IDC predicts that worldwide spending on public cloud services will grow at a 19.4% compound annual growth rate (CAGR) from nearly \$70B in 2015, to more than \$141B in 2019.

With this rapid uptake of SaaS, PaaS and IaaS, it has been commonly understood that most enterprises will need to maintain a hybrid IT environment with a significant number of legacy applications remaining on-prem.

The first phase of cloud app adoption saw enterprises attempt to use on-prem IAM tools to integrate to the cloud. Identity-as-a-Service (IDaaS) provided an alternate approach, with a cloud-based bridge to the cloud and lightweight AD integration. But even as the center of gravity of identity management has increasingly moved to the cloud, end-users still require easy access to legacy enterprise apps via tools like XenApp and XenDesktop to enable and support their mobile workstyle. A complete IDaaS solution is needed that can integrate and unify these two worlds to improve administration and boost end-user production.

Okta and Citrix NetScaler provide a joint solution that enables enterprises to seamlessly manage access to all applications, on-prem and in the cloud. Once NetScaler is deployed and configured with Okta, IT admins can manage access to cloud and legacy enterprise apps through a single pane of glass in the Okta admin console. IT admins are able to strengthen the security of all applications through centrally managed security policies that can be used by both cloud apps and NetScaler-fronted enterprise apps.

Secure Access to On-Prem Apps from Outside the Firewall

Enterprises typically use Okta for the 5000+ integrations pre-built into the Okta Application Network. Okta also has full support for federation protocols for additional applications that support

federation standards. Applications in the cloud with any kind of login form can, additionally, be easily added to Okta.

When applications are behind the firewall, authentication is not enough. Users must gain network access to the application. This can be cumbersome with the standard VPN approach, requiring multiple steps for the end user.

With NetScaler integrated to Okta, end-users can authenticate once into Okta and seamlessly access both Citrix apps and on-prem apps (like Sharepoint). In addition, NetScaler extends Okta's authentication capability to applications outside of the Citrix portfolio that do not have native authentication mechanisms or support header-based authentication.

Application Authentication Mechanism	Integration
Pre-built integration in Okta Application Network (5000+ integrations)	Okta
Federation protocols SAML, WS-Fed, OpenID Connect	Okta
Any Application with a Login Form	Okta
Citrix apps (e.g. XenApp & XenDesktop)	Okta + NetScaler
No Native Authentication	Okta + NetScaler
Kerberos/NTLM Exchange Authentication	Okta + NetScaler
Header-based Authentication	Okta + NetScaler
Reverse proxy—Access on-prem app from outside firewall	Okta + NetScaler
Secure HTTP traffic to/from on-prem app	Okta + NetScaler

Okta and NetScaler for Complete Access Management for Hybrid IT

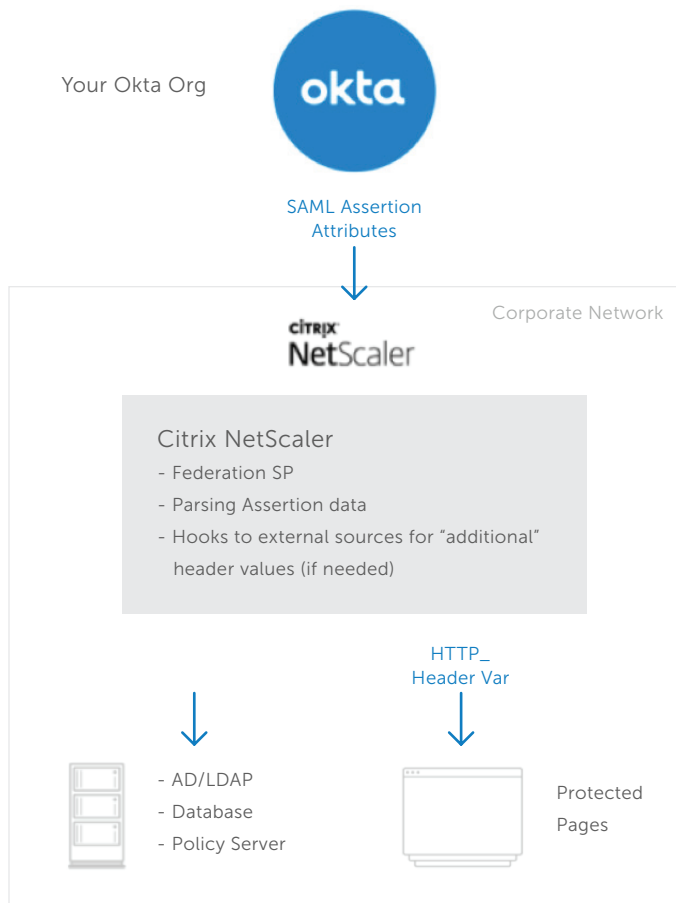
okta

Enable B2B Access to Citrix and On-Prem Apps

It can be a challenge to expose virtual apps via XenApp/XenDesktop and on-prem apps like Sharepoint Server to external users such as partners and contractors. A traditional solution to this problem would be to integrate with each individual external Active Directory or LDAP server.

NetScaler supports federation for Citrix apps natively and for enterprise web apps using SAML to Kerberos Constrained Delegation. Okta, paired with NetScaler Unified Gateway, can manage contractor or partner identities and enforce multi-factor authentication.

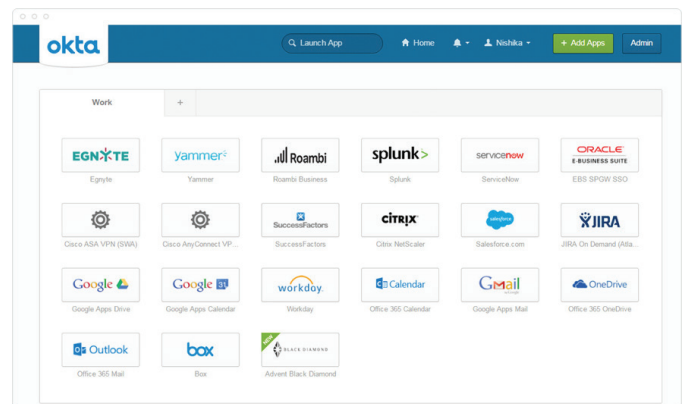
External User Access



Single End-User Portal for All Apps, On-Prem and Cloud

The Okta portal makes it easy for end-users to access all their apps from a single location. Typically, organizations using the Okta portal want all the end-users' applications exposed and accessible through the portal. Integrating Okta with NetScaler enables the user to log in once to Okta, and access cloud applications like Salesforce, G Suite, and Box, as well as Citrix apps like XenApp/XenDesktop, in one place.

One End-User Portal for All Your Applications



Increased On-Prem Security with MFA

Enterprises are moving to IaaS to allow services to be more easily reached from any network. But in moving to IaaS, enterprises need to have a strategy for protecting access to those resources. Given the greater exposure, it is a best practice to require multi-factor authentication to access these services. Okta can easily add multi-factor authentication with a soft token (iOS, Android or Windows Phone), SMS or voice as factors.