Zscaler™ StateRAMP Solutions

Solution Brief

The data center once was the center of gravity for IT environments. Today, applications have moved to the cloud to better enable users to work from anywhere, on any device. This new way of working has dissolved the perimeter and the technologies used to protect it. The path to modernization means enabling the Internet to be your new network. To secure our new way of working, a modern Internet security architecture is needed to balance both security needs and user experience.

Traditional network security architectures were anchored in the data center and relied on appliances. They were not built for a cloud and mobile world. Remote users connecting from an approved list of IP addresses (via VPN) were assumed to be trusted and were granted access to the network through a gateway which is often exposed to the Internet. On-premises users on the network could move laterally across it. Ultimately, this inherent trust in the design leads to risk and over-privileged network access. This old way of working leaves administrators in a constant battle to keep up with required security updates for all their connected appliances.

Born and built for the cloud, Zscaler represents the zenith of scalability, enabling agencies to securely connect users to the Internet and applications, regardless of device, location, or network. As part of the StateRAMP Authorized Vendor list, Zscaler provides agencies with a vetted, zero trust solution that supports security needs and user expectations.

What is StateRAMP?

The StateRAMP Authorized Vendor List provides state and local government with the confidence in a cloud service provider's data security capabilities. Modeled after FedRAMP, StateRAMP is based on a "certify once, serve many" concept that saves time and reduces costs for both service providers and government agencies. Like FedRAMP, StateRAMP relies on independent third-party assessment organizations (3PAOs) to conduct assessments.

StateRAMP will help state and local government agencies improve their cybersecurity posture and drive more consistent cyber defenses.

David Cagigal
Former CIO of Wisconsin.

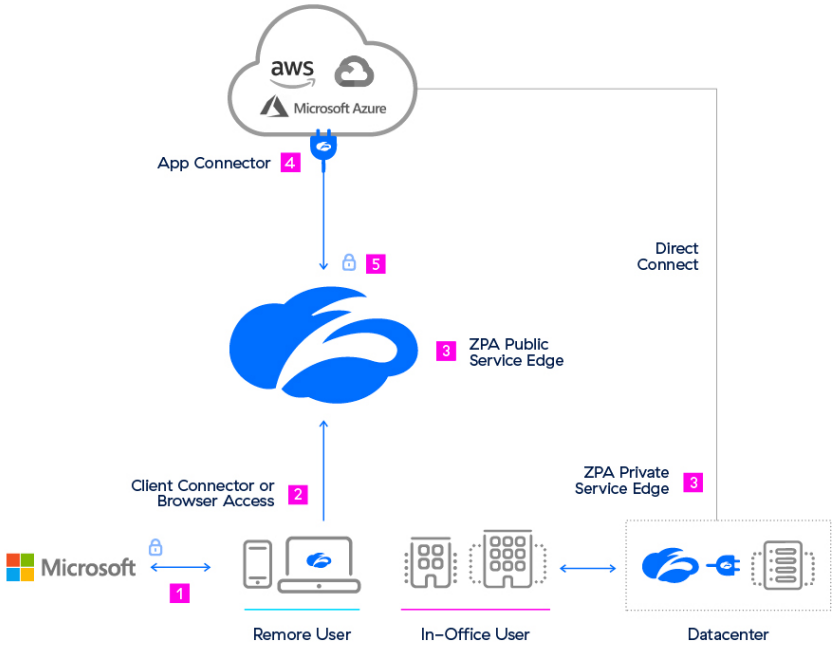
Zscaler StateRAMP Ready Solutions

Zscaler Private Access (ZPA)

Zscaler Private Access (ZPA™) is a cloud-delivered zero trust service that uses a distributed architecture to provide fast and secure access to private applications running on-prem or in the public cloud. With ZPA, applications are never exposed to the Internet, making them completely invisible to unauthorized users. This service provides access based on four key principles:

- Application access is based on context and should not require network access
- Outbound-only connections make applications invisible to unauthorised users
- Application segmentation connects users to a specific app and limits lateral movement
- The Internet becomes the enterprise's new transport network

When a user (employee, third-party or contractor) attempts to access an application, the user's identity and device posture are verified via the Zscaler™ Client Connector software installed on the user device. Policy is checked, and a ZPA Service Edge determines where the closest application instance exists. ZPA uses the location of the client and determines the closest application to the user based on reachability to the ZPA App Connector (lightweight VM in the app environment). Lastly, two outbound tunnels, one from the Client Connector on the device and the other from the App Connector, are stitched together by a ZPA Service Edge. All of this takes place automatically and in real time.



How it works:

1. User authentication with IDP (First time only)
2. Authorized user attempts to access an app; Client Connector tunnel is created
3. The ZPA Service Edge enforces policy and sends dispatch to connectors
4. The App Connector closest to app sends inside-out tunnel to ZPA Service Edge
5. The ZPA Service Edge stitches together the connection between app and user

ZPA empowers organizations with:

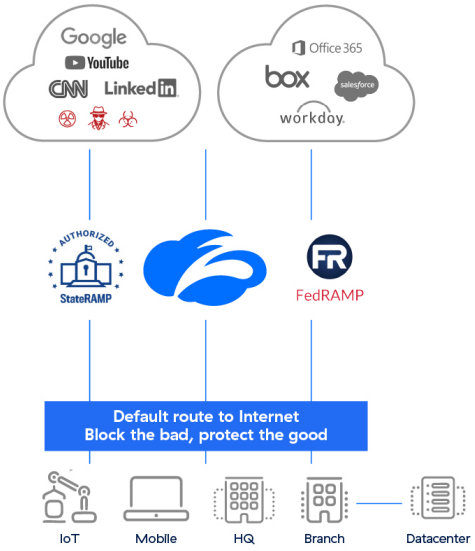
- Cloud-like user experience -- consistent, single sign on experience whether remote or on premise
- Improved visibility into all user and application activity with real-time views into user activity and IT health as well as automatic streaming to SIEM
- Granular policies based on specific user and application
- Removing the need for VPN gateway security stack and ensuring secure access to all public and private cloud environments
- Improved inter-agency and contractor/SI support with a single security platform for all users

Zscaler Internet Access (ZIA)

Zscaler Internet Access (ZIA) is a secure Internet and web gateway delivered as a service from the cloud Think of it as a secure Internet onramp—all you do is make Zscaler your next hop to the Internet. ZIA provides a full security stack with all the in-depth protection you'll ever need.

For offices, simply set up a connection with an IPSec tunnel to the closest Zscaler data center or forward traffic via our lightweight Zscaler Client Connector or PAC file providing the user with identical security protection whether they are connecting from the office, user home office, airport, or a local coffee shop.

Zscaler Internet Access sits between your users and the Internet, inspecting every byte of traffic in-line across multiple security techniques, even within SSL. You get full protection from web and Internet threats. And with a cloud platform that supports Cloud Firewall, Cloud IPS, Cloud Sandbox, Cloud DLP, and CASB, you can start with the services you need today and activate others as your needs grow.



Secure internet and web gateway as a service

Zscaler Internet Access delivers a completely integrated gateway that inspects all ports and protocols, even acros SSL.

Threat Prevention	Access Control	Data Protection
Proxy (Native SSL)	Cloud Firewall	Cloud DLP w/EDM
IPS/Adv. Protection	URL Filtering	CASB OOB
Cloud Sandbox	Bandwidth Control	CSPM
DNS Security	DNS Resolution	Cloud Browser Isolation

Just point your traffic to the Zscaler cloud. For offices, you can set up a tunnel from your edge router. For mobile, you can use Zscaler Client Connector or a PAC file.

State and Local Agencies Transform with Zscaler

Securing the Move to Cloud

The City of Boston had made great strides in modernizing how they delivered citizen services by adoptingcloud but new challenges had followed—including an inefficient and unreliable Internet security solution. The city needed secure, scalable, cost-effective cloud access for its 5,500 users to improve workflow efficiency and reduce user frustration.

Boston chose Zscaler Internet Access™ (ZIA™) to allow them to connect authorized users directly to externally managed applications without placing them on the network, greatly reducing the opportunity for malware and other threats to get onto the internal network or move laterally across it.

In one quarter alone, Zscaler blocked 1.2 million security threats and prevented 33.1 million web access policy violations, keeping the city's applications and data safe. This filtering has also reduced the number of IT trouble tickets related to website misclassification from 10–15 tickets per week to one or two per month.

> Zscaler was a fantastic partner to conduct testing the StateRAMP Fast Track process. Their documentation, system information, and audit results were professional, accurate, and provided in a well organized and easy to review structure.
>
> **Noah Brown**
> PMO Director, StateRamp

Stronger Security AND Productivity

The State of Oklahoma needed to strengthen their security posture while also providing employees the ability to work from anywhere. The team selected Zscaler Zero Trust Exchange to power a Zero Trust approach to their security. With this solution, employees had the same access and experience whether they were in the office or logging on from a coffee shop. The resulting connection was five times faster than the legacy VPN approach and reduced the number of VPN help tickets from hundreds a day to virtually none. The Zscaler solution was up and running for 10,000 users across 90+ state agencies in just days.

For more information on Zscalers solutions for state and local government visit **www.zscaler.com/stateandlocal.** For more information on StateRAMP, visit **stateramp.org**

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