

# Transforming access to cloud and enterprise applications



## Providing employees with a highly secure access to enterprise applications deployed behind the firewall is a core requirement for all businesses.

Increasingly, enterprises must also deal with the riskier proposition of providing this same access to third-parties, including their contractors, partners, suppliers and customers. Enabling highly secure application access, whether hosted in a public cloud or private data center, is a complex, cumbersome task requiring on-premise hardware and software such as Application Delivery Controllers (ADCs), Virtual Private Networks (VPN), Identity Management Systems (IAM), and

more. Yet, with these technologies, enterprises are exposed to a variety of security risks, now compounded by the growing network presence of untrusted third party users. Fortunately, [AT&T Content Delivery Network](#) enterprise application access services can help with these types of challenges and also help enterprises transform remote access to meet today's mobile and cloud-centric requirements, while assisting with an organization's overall security posture.

### Potential benefits

#### Convenience

- Users access applications from any browser without additional software, including VPNs and browser plugins
- Can be deployed with BYOD solutions
- Stand up new applications and provision users in minutes
- Use a service that consolidates ADCs, Wan Optimization, VPN, & 2FA
- No hardware or network changes needed

#### Security

- Keep all users off of your network
- Lock down your firewall or security group to all inbound traffic
- Make applications invisible to the Internet
- Add MFA to apps with a click of a button
- Helps prevent lateral movement to unauthorized applications

#### Performance

- High-availability SLA

#### Visibility

- Comprehensive auditing and reporting of user activity
- Available as built-in reports or can be integrated with your existing tools

## Enterprise application access

Our enterprise application access service is a new approach to remote access. It provides a unique, highly secure, and more convenient alternative to traditional remote access technologies, such as VPNs, RDP and proxies. With enterprise application access, no one can get to applications directly because they are hidden from the Internet and public exposure. A unique dual-cloud architecture closes inbound firewall ports while providing authenticated end users access to only their specific applications. Our new service integrates data path protection, identity access, application security and management visibility and control into a single service.

Enterprise application access can be deployed in minutes, through a unified portal, with a single point of control, in any network environment, and at a fraction of the cost of traditional solutions.

With our new application access service, you get a centralized managed solution that does not require external hardware or software.

## How it works

Enterprise application access provides highly secure access as a service that eliminates the need to punch holes in the network perimeter. Instead, users access applications through the cloud, which stops and validates each user's access far outside your network. With enterprise application access services, there is no direct path in to your applications. Instead, our access service establishes a mutually authenticated, TLS connection from within your network or cloud and brings the application to the user.

Adding optional web performance services from our Content Delivery Network family of products can also help improve responsiveness and speeds on virtually any device, virtually anywhere.

## The rise and risks of independent workers: why this is an urgent challenge

Why is this new paradigm for application access required? It is essential that outside contractors and suppliers have access to specific internal, private corporate applications to be productive. Today, this usually means giving them VPN access. But any kind of third party access creates additional points of entry to an organization's network, increasing the overall risk that critical corporate information – proprietary documents or customer data – could fall into the wrong hands.

## The challenge: managing remote application access is painfully complex

The growth of third parties, employees and even customers accessing corporate applications, together with the skyrocketing growth of data breaches has also lead to massive, untenable operational demands on IT, network, and security teams. To enable vital information sharing, IT organizations must navigate and manage a complex maze of people, processes and technologies. Deploying, configuring and maintaining highly secure access technology is a chronic issue.

## Our new tools transform remote access, putting you back in control

Approaching the problem in a fundamentally different way, AT&T Content Delivery Network now offers enterprise application access, a SaaS service that delivers access to applications, without providing user access to your entire network. With our new application access service, you get a centralized managed solution that does not require external hardware or software. Managing and controlling third party – as well as customer and employee access – becomes simpler. And with the elimination of the complexity comes fundamentally better security.

To learn more about AT&T Content Delivery Network enterprise application access, contact your account team or visit [att.com/cdn](http://att.com/cdn) and have us contact you with more information.